

Volume

#

R0540

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

8540

FIELD NOTES

T 30 S R 19 E

Of the Meridian,

the State of

EXECUTED BY

Under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

1A

INDEX DIAGRAM

Township 30 South, Range 19 East

	6	5	4	3	2	1
	7	8	9	10	11	12
	13	17	16	15	14	13
29	19 52	20 51	21 45	22 41	23 37	24 33
29	30 48	50 47	29 44 43	28 40 39	27 36 35	26 33 32
28	31 26	46 25	32 42 24	33 38 23	34 34 22	35 30 21

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 30 1/2 SR 16 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

for the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

INDEX DIAGRAM

Township 30 $\frac{1}{2}$ South, Range 16 East

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
					63
25	26	27	28	29	30 62
	67			65	64
31	66	32	66	33	34 65 35 63 36 61

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 30 1/2 S R 17 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 30 1/2 South, Range 17 East

6	5	4	3	2	1
7	8	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25 76
	80				78
31 79	32 78	33	34	35 77	36 75

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 30 1/2 S R 18 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

the surveys included under Group No., approved

and assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 30½ South, Range 18 East

0	5	4	3	2	1			
7	8	9	10	11	12			
13	17	16	15	14	13			
19	20	21	22	23	24			
30	29	28	27	26	25			
91					89			
31	90	32	33	34	35	88	36	87

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 30 1/2 SR 19 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

5A

INDEX DIAGRAM

Township 30 $\frac{1}{2}$ South, Range 19 East

6	5	4	3	2	1
7	8	9	10	11	12
13	17	16	15	14	13
19	20	21	22	23	24
20	29	28	27	26	25
31	32	102 33	34	35	101 36 99

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 30 1/2 SR 20 E

Of the Meridian,

the State of

EXECUTED BY

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under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

(1st)

INDEX DIAGRAM

Township $30\frac{1}{2}$ South, Range 20 East

0	1	2	3	4	5
6	7	8	9	10	11
12	13	14	15	16	17
18	19	20	21	22	23
24	25	26	27	28	29
30	31	32	33	34	35
36	37	38	39	40	41
42	43	44	45	46	47
48	49	50	51	52	53
54	55	56	57	58	59
60	61	62	63	64	65
66	67	68	69	70	71
72	73	74	75	76	77
78	79	80	81	82	83
84	85	86	87	88	89
90	91	92	93	94	95
96	97	98	99	100	101
102	103	104	105	106	107
108	109	110	111	112	113
114	115	116	117	118	119
120	121	122	123	124	125
126	127	128	129	130	131
132	133	134	135	136	137
138	139	140	141	142	143
144	145	146	147	148	149
150	151	152	153	154	155
156	157	158	159	160	161
162	163	164	165	166	167
168	169	170	171	172	173
174	175	176	177	178	179
180	181	182	183	184	185
186	187	188	189	190	191
192	193	194	195	196	197
198	199	200	201	202	203
204	205	206	207	208	209
210	211	212	213	214	215
216	217	218	219	220	221
222	223	224	225	226	227
228	229	230	231	232	233
234	235	236	237	238	239
240	241	242	243	244	245
246	247	248	249	250	251
252	253	254	255	256	257
258	259	260	261	262	263
264	265	266	267	268	269
270	271	272	273	274	275
276	277	278	279	280	281
282	283	284	285	286	287
288	289	290	291	292	293
294	295	296	297	298	299
300	301	302	303	304	305
306	307	308	309	310	311
312	313	314	315	316	317
318	319	320	321	322	323
324	325	326	327	328	329
330	331	332	333	334	335
336	337	338	339	340	341
342	343	344	345	346	347
348	349	350	351	352	353
354	355	356	357	358	359
360	361	362	363	364	365
366	367	368	369	370	371
372	373	374	375	376	377
378	379	380	381	382	383
384	385	386	387	388	389
390	391	392	393	394	395
396	397	398	399	400	401
402	403	404	405	406	407
408	409	410	411	412	413
414	415	416	417	418	419
420	421	422	423	424	425
426	427	428	429	430	431
432	433	434	435	436	437
438	439	440	441	442	443
444	445	446	447	448	449
450	451	452	453	454	455
456	457	458	459	460	461
462	463	464	465	466	467
468	469	470	471	472	473
474	475	476	477	478	479
480	481	482	483	484	485
486	487	488	489	490	491
492	493	494	495	496	497
498	499	500	501	502	503
504	505	506	507	508	509
510	511	512	513	514	515
516	517	518	519	520	521
522	523	524	525	526	527
528	529	530	531	532	533
534	535	536	537	538	539
540	541	542	543	544	545
546	547	548	549	550	551
552	553	554	555	556	557
558	559	560	561	562	563
564	565	566	567	568	569
570	571	572	573	574	575
576	577	578	579	580	581
582	583	584	585	586	587
588	589	590	591	592	593
594	595	596	597	598	599
600	601	602	603	604	605
606	607	608	609	610	611
612	613	614	615	616	617
618	619	620	621	622	623
624	625	626	627	628	629
630	631	632	633	634	635
636	637	638	639	640	641
642	643	644	645	646	647
648	649	650	651	652	653
654	655	656	657	658	659
660	661	662	663	664	665
666	667	668	669	670	671
672	673	674	675	676	677
678	679	680	681	682	683
684	685	686	687	688	689
690	691	692	693	694	695
696	697	698	699	700	701
702	703	704	705	706	707
708	709	710	711	712	713
714	715	716	717	718	719
720	721	722	723	724	725
726	727	728	729	730	731
732	733	734	735	736	737
738	739	740	741	742	743
744	745	746	747	748	749
750	751	752	753	754	755
756	757	758	759	760	761
762	763	764	765	766	767
768	769	770	771	772	773
774	775	776	777	778	779
780	781	782	783	784	785
786	787	788	789	790	791
792	793	794	795	796	797
798	799	800	801	802	803
804	805	806	807	808	809
810	811	812	813	814	815
816	817	818	819	820	821
822	823	824	825	826	827
828	829	830	831	832	833
834	835	836	837	838	839
840	841	842	843	844	845
846	847	848	849	850	851
852	853	854	855	856	857
858	859	860	861	862	863
864	865	866	867	868	869
870	871	872	873	874	875
876	877	878	879	880	881
882	883	884	885	886	887
888	889	890	891	892	893
894	895	896	897	898	899
900	901	902	903	904	905
906	907	908	909	910	911
912	913	914	915	916	917
918	919	920	921	922	923
924	925	926	927	928	929
930	931	932	933	934	935
936	937	938	939	940	941
942	943	944	945	946	947
948	949	950	951	952	953
954	955	956	957	958	959
960	961	962	963	964	965
966	967	968	969	970	971
972	973	974	975	976	977
978	979	980	981	982	983
984	985	986	987	988	989
990	991	992	993	994	995
996	997	998	999	1000	1001
1002	1003	1004	1005	1006	1007
1008	1009	1010	1011	1012	1013
1014	1015	1016	1017	1018	1019
1020	1021	1022	1023	1024	1025
1026	1027	1028	1029	1030	1031
1032	1033	1034	1035	1036	1037
1038	1039	1040	1041	1042	1043
1044	1045	1046	1047	1048	1049
1050	1051	1052	1053	1054	1055
1056	1057	1058	1059	1060	1061
1062	1063	1064	1065	1066	1067
1068	1069	1070	1071	1072	1073
1074	1075	1076	1077	1078	1079
1080	1081	1082	1083	1084	1085
1086	1087	1088	1089	1090	1091
1092	1093	1094	1095	1096	1097
1098	1099	1100	1101	1102	1103
1104	1105	1106	1107	1108	1109
1110	1111	1112	1113	1114	1115
1116	1117	1118	1119	1120	1121
1122	1123	1124	1125	1126	1127
1128	1129	1130	1131	1132	1133
1134	1135	1136	1137	1138	1139
1140	1141	1142	1143	1144	1145
1146	1147	1148	1149	1150	1151
1152	1153	1154	1155	1156	1157
1158	1159	1160	1161	1162	1163
1164	1165	1166	1167	1168	1169
1170	1171	1172	1173	1174	1175
1176	1177	1178	1179	1180	1181
1182	1183	1184	1185	1186	1187
1188	1189	1190	1191	1192	1193
1194	1195	1196	1197	1198	1199
1200	1201	1202	1203	1204	1205
1206	1207	1208	1209	1210	1211
1212	1213	1214	1215	1216	1217
1218	1219	1220	1221	1222	1223
1224	1225	1226	1227	1228	1229
1230	1231	1232	1233	1234	1235
1236	1237	1238	1239	1240	1241
1242	1243	1244	1245	1246	1247
1248	1249	1250	1251	1252	1253
1254	1255	1256	1257	1258	1259
1260	1261	1262	1263	1264	1265
1266	1267	1268	1269	1270	1271
1272	1273	1274	1275	1276	1277
1278	1279	1280	1281	1282	1283
1284	1285	1286	1287	1288	1289
1290	1291	1292	1293	1294	1295
1296	1297	1298	1299	1300	1301
1302	1303	1304	1305	1306	1307
1308	1309	1310	1311	1312	1313
1314	1315	1316	1317	1318	1319
1320	1321	1322	1323	1324	1325
1326	1327	1328	1329	1330	1331
1332	1333	1334	1335	1336	1337
1338	1339	1340	1341	1342	1343
1344	1345	1346	1347	1348	1349
1350	1351	1352	1353	1354	1355
1356	1357	1358	1359	1360	1361
1362	1363	1364	1365	1366	1367
1368	1369	1370	1371	1372	1373
1374	1375	1376	1377	1378	137

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INDEX DIAGRAM

Township 31 SOUTH, Range 13 EAST

6	5	4	129	3	132	2	130	1	123	
					134		132		130	
7	8	9	128	10		11		12	122	
			137							
13	17	136	16	127	15	14		13	122	
			135							
19	20	21	127	22		23		24	121	
29	29	28	126	27		26		25	120	
138	138	135						125		
31	137	32	134	33	125	34	35	124	36	119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 31 SR 14 E

Of the _____ Meridian,

the State of _____

EXECUTED BY

under special instructions dated _____, 19____, which provided

the surveys included under Group No. _____, approved _____

assignment instructions dated _____, 19____

Survey commenced _____, 19____

Survey completed _____, 19____

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INDEX DIAGRAM

Township 31 SOUTH , Range 14 EAST

					159	158	158	
•	•	156 •		•	159 •	•	161	1 150
						160		
7	•	155 •		10		11		12 149
		164						
18	17	155 18	163	15		14		13 148
		162						
19	20	154 21		22		23		24 148
25	26	153 27		28		29		30 147
		165						152
31	164 32	152 33		34		35	151	36 146

INDEX DIAGRAM

Township 31 SOUTH, Range 15 East

						185	184	184	
6	5	4	183	3	185	2	187	1	177
							186		
7	8	9	182	10		11		12	176
			188						
16	17	189	16	182	15	14		13	176
			188						
19	20		21	181	22	23		24	175
20	29		28	180	27	26		25	174
191	191							179	
31	190	32	190	33	180	34	35	178	36
									173

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 31-SR 16 E

Of the Meridian,

the State of

EXECUTED BY

Under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 31 SOUTH, Range 16 EAST

207 •	207 •	206 •	205 •	204 •	203 •
		213	215	213	203
			216	215	214
7	8	9	212	10	11
		219			12
19	17	218	16	211	15
		218			14
19	20	21	210	22	23
					24
20	29	28	210	27	26
	220	217			25
					209
21	219	22	217	23	209
		22	209	24	25
					208
					26
					199

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 31 S R 17 E

Of the Meridian,
the State of

EXECUTED BY

or special instructions dated, 19....., which provided
the surveys included under Group No., approved
assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 31 SOUTH, Range 17 EAST

238 0	237 5	236 4 244	236 8	235 2 246	234 1 245	233
7	8	244 9	10	247 11	19	233
18	17	243 16	248 15	14	18	232
19	20	242 21	22	23	24	231
20	29	242 28	27	26	25	230
250	241				239	
31 240	32	33	34	35	238 36	229

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 31 S R 18 E

Of the Meridian,

the State of

EXECUTED BY

Under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 31 SOUTH, Range 18 EAST

268 6	268 5	267 4	274 3	266 2	277 1	265 1	275 1	264 263
7	8	9	274 10			276 11	12	263
13	17	279 16	273 15			14	18	262
19	20	278 21	272 22			23	24	261
29	29	28	271 27			26	25	260
31	281 32	280 33	270 34				269 36	259

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 31 S R 19 E

Of the Meridian,
the State of

EXECUTED BY

er special instructions dated, 19....., which provided
the surveys included under Group No., approved
assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 31 SOUTH, Range 19 EAST

307 •	306 •	305 •	304 •	303 •	302 •
	315		317	315	301
				316	
7	8	9	10	11	12
	314				300
		320			
13	17	16	15	14	13
	312	319			299
		318			
19	20	21	22	23	24
	312				298
20	20	20	27	26	25
	311				297
	321				309
21	22	23	24	25	26
320	310			308	296

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 31SR 20E

Of the Meridian,

the State of

EXECUTED BY

Under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 31 SOUTH, Range 20 EAST

337 6	336 5	336 4	335 345 3	334 345 2	334 347 1	334 338
				346		
7	8	9	344 10	11	12	
		349				
13	17	349 16	343 15	14	18	
		348				
19	20	21	342 22	23	24	
29	29	28	341 27	26	25	
	352					340
31	351 32	350 33	341 34	35	339 36	

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INDEX DIAGRAM

Township 32 SOUTH, Range 11 EAST

6	5	4	367	3	368	2	367	1	
				370		369			
7	8	9	366	10		11		12	
			372						
13	17	371	16	365	15	14		13	
			370						
19	20		21	364	22	23		24	
29	29		28	364	27	26		25	
	374							362	
31	373	32	372	33	363	34	35	361	36

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

T 32 SP 12 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 32 SOUTH, Range 12 EAST

6		386	4	8	2	1
		386				
7		385	9	10	11	12
		385				
10	17		16	15	14	13
19	20		21	22	23	24
30	29		28	27	26	25
31	32		383	34	35	36
			384			
			382			
		384				

FIELD NOTES

T 32 S R 14 E

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 32 SOUTH, Range 14 EAST

404 6	404 5	403 4	410 3	402 2	402 1	401 101
				411		
7	8	9	409 10		11	12 400
		415				
18	17	414	16 408 15		14	13 399
		413				
19	20		21 408 22		23	24 399
30	29		28 407 27		26	25 398
	417					406
31	416	32	412	33	406	34
						35 405
36	35	34	33	32	31	30 397
396	395	394	394	393	393	393

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INDEX DIAGRAM

Township 32 SOUTH, Range 13 EAST

434 6	433 5	432 4	432 3	431 2	430 1
	439		442	440	430
			441		
7	8	9	10	11	12
	439				429
		444			
13	17	16	15	14	13
	438	443			428
		443			
19	20	21	22	23	24
	438				427
20	29	28	27	26	25
	437				426
	445				435
31	32	33	34	35	36
445	436			434	425

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT

A

FIELD NOTES

OF THE SURVEY

THE STANDARD PARALLEL SOUTH, SOUTH BOUNDARY OF T. 30 S., R. 19 E.,

A PORTION OF THE WEST BOUNDARY AND SUBDIVISION OF

T. 30 S., R. 19 E.

Of the Salt Lake Meridian Meridian,

State of Utah

EXECUTED BY

Chas. F. Moore, U.S. Surveyor

Robert C. Yundt, U.S. Surveyor

special instructions dated August 27, 1927, which provided
the surveys included under Group No. 187, bearing the approval of the
Commissioner of the General Land Office under date of September 22, 1927

assignment instructions dated October 13, 1928, and
supplemental assignment instructions dated October 1, 1929.

Survey commenced November 2, 1928.

Survey completed November 2, 1929.

INDEX DIAGRAM.

Township 34 North, Range 12 East

0	1	2	3	4	5
6	7	8	9	10	11
12	13	14	15	16	17
18	19	20	21	22	23
24	25	26	27	28	29
30	31	32	33	34	35
36	37	38	39	40	41
42	43	44	45	46	47
48	49	50	51	52	53
54	55	56	57	58	59
60	61	62	63	64	65
66	67	68	69	70	71
72	73	74	75	76	77
78	79	80	81	82	83
84	85	86	87	88	89
90	91	92	93	94	95
96	97	98	99	100	101
102	103	104	105	106	107
108	109	110	111	112	113
114	115	116	117	118	119
120	121	122	123	124	125
126	127	128	129	130	131
132	133	134	135	136	137
138	139	140	141	142	143
144	145	146	147	148	149
150	151	152	153	154	155
156	157	158	159	160	161
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594	595	596	597	598	599
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606	607	608	609	610	611
612	613	614	615	616	617
618	619	620	621	622	623
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708	709	710	711	712	713
714	715	716	717	718	719
720	721	722	723	724	725
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732	733	734	735	736	737
738	739	740	741	742	743
744	745	746	747	748	749
750	751	752	753	754	755
756	757	758	759	760	761
762	763	764	765	766	767
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774	775	776	777	778	779
780	781	782	783	784	785
786	787	788	789	790	791
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798	799	800	801	802	803
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810	811	812	813	814	815
816	817	818	819	820	821
822	823	824	825	826	827
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840	841	842	843	844	845
846	847	848	849	850	851
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864	865	866	867	868	869
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966	967	968	969	970	971
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990	991	992	993	994	995
996	997	998	999	1000	1001

T. 30 S., R. 19 E.

Chains

The survey of T. 30 S., R. 19 E., Salt Lake Meridian, Utah, was commenced November 2, 1928, and executed with Buff and Buff transit No. 9797. The instrument is equipped with a Smith solar attachment and has a full vertical circle. The horizontal limb has two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle. The instrument was kept in good adjustment throughout the progress of this survey, and was assigned for use on the survey, conditional upon satisfactory field tests, by the district cadastral engineer, for Utah, in assignment instructions issued for the survey of group 187, Utah, dated October 13, 1928, and supplemental assignment instructions dated October 1, 1929. The solar attachment was not used in this survey, and the bearings of the lines were determined by deflection angles from true meridians determined by altitude observations on the sun.

The measurements were made with Lallie steel tapes 8 chains in length. The tapes were graduated every link for the first 100 links and thereafter at intervals of 10 links. The tapes were tested and found correct, comparison being made with a Lufkin standard steel tape, 1 chain in length. The measurements were made on the slope, the vertical angle determined with clinometers in good adjustment, and the slope measurements properly reduced to true horizontal distances, which appear in this record.

The approximate geographic position of the SE. corner of T. 30 S., R. 19 E., is latitude $38^{\circ}08'$ N., and longitude $109^{\circ}46'$ W.

November 3, 1928: Stationed at the standard $\frac{1}{4}$ sec. cor. sec. 36, T. 30 S., R. 19 E., in approximate latitude $38^{\circ}08'$ N., longitude $109^{\circ}46'$ W., I make an altitude observation upon the sun for azimuth, making 4 observations, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal deflection angle from a flag on the tangent line about 30 chains E., in a clockwise direction to the sun.

Set No.	Hor. Ang.	Vert. Ang.	Std. Time
1	$48^{\circ}47'30''$	$26^{\circ}02'00''$	9h 31m 40s a.m.
2	$49^{\circ}51'30''$	$26^{\circ}30'00''$	9h 36m 30s a.m.

Reduced bearing of line East.

SIXTH STANDARD PARALLEL SOUTH, SOUTH BDY. T. 30 S., R. 19 E.

The standard cor. of Ts. 30 S., Rs. 19 and 20 E., is an iron post, 3 ins. in diam., firmly set, properly marked and witnessed as described in the official record; thence from the above cor.

West, along the S. bdy. of sec. 36, on a transit line, describing the tangent, starting at the standard township cor. and bearing West.

Over rough broken land, with numerous sandstone outcroppings; ascend along an E. slope through scattered timber and a scant undergrowth.

15.00 Sandstone ledge, about 50 ft. high, bearing SE.; continue ascent over barren sandstone dome.

20.00 Top of dome on spur projecting SE.; descend along an abrupt SW. slope over ledges.

SIXTH STANDARD PARALLEL SOUTH, SOUTH BDY. T. 30 S., R. 19

Chains

40.00 On the tangent; on a SW. slope.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, for the standard 1/4 sec. cor., with brass cap marked

SC
S36

1928

From which

A pinon, 8 ins. in diam., bears N. 3°15' E., 85 lks. dist., marked 1/4 S36 SD BT.

A juniper, 5 ins. in diam., bears N. 31° W., 135 lks. dist., marked 1/4 S36 SC BT.

Continue along a general W. slope.

47.10 Spur, projects SW., descend along a NW. slope.

63.50 Draw, drains NW.; ascend 65 ft. along a NE. slope.

75.30 Sandstone knoll on top of spur projecting NW.; descend 65 ft. along a NW. slope.

80.00 North, 1 link from the tangent; on a NW. slope.

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to solid rock and in a mound of stone, for the standard cor. of secs. 35 and 36, with brass cap marked

S C
T30S | R19E
S35 | S36

1928

From which

A pinon, 10 ins. in diam., bears N. 15°45' E., 139 lks. dist., marked T30S R19E S36 SC BT.

A juniper, 6 ins. in diam., bears N. 46°30' W., 331 lks. dist., marked T30S R19E S35 SC BT.

Land, broken bench broken and cut by numerous sandstone knolls and draws; general northwest exposure and drainage. Soil, light sandy loam, with much exposed sandstone surface rock; 3rd rate.

Timber, pinon, juniper, and cottonwood.

Undergrowth, sagebrush, shadscale, and yellow top.

Fair grazing land.

West, along the S. bdy. of sec. 35, on a transit line, describing the tangent, starting from a point 1 link S. of the sec. cor. and bearing S. 89°59.3' W.

Over rough and broken bench land, through scattered timber and a scant undergrowth; descend 45 ft. along a W. slope.

2.80 Squaw Wash, drains N.; ascend along a SE. slope.

8.50 Sandstone spur, projects S.; descend along a SW. slope.

SIXTH STANDARD PARALLEL SOUTH, SOUTH BDY. T. 30 S., R. 19 E.

Chains

- 12.00 Recross wash, drains SE.; ascend along a NE. slope. .
 - 17.80 Point of spur projecting from the S.; descend along a NW. slope.
 - 21.30 Recross wash, drains NE.; ascend along a SE. slope. .
 - 40.00 North 2 links from the tangent; on barren sandstone.
- Set an iron post, 14 ins. long, 1 in. in diam., 12 ins. in a hole drilled into solid rock, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
S35

1928

No suitable bearing trees available and no stone available for the construction of a mound.

Ascend along a SE. slope.

- 45.80 Rocky spur, projects SW.; descend over W. slope.
- 63.00 Bottom of box canyon, about 4 chains wide and 50 ft. deep, drains N. 30° E.; ascend along SE. slope.

- 80.00 North 3 links from the tangent.
- Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to solid rock and in a mound of stone, for the standard cor. of secs. 34 and 35, with brass cap marked

S C	
T30S	R19E
S34	S35

1928

From which

A pinon, 3 ins. in diam., bears N. 50° E., 26 lks. dist., marked SC BT.

A pinon, 11 ins. diam., bears N. 49°15' W., 33 lks. dist., marked T30S R19E S34 SC BT.

Land, rough, broken bench; drainage N.
 Soil, light sandy loam, with considerable exposed sandstone; 3rd rate.
 Timber, pinon and cottonwood.
 Undergrowth, sage, rabbit, and oak brush, and grass.
 Poor grazing land.

West, along the S. bdy. of sec. 34, on a transit line describing the tangent which starts at a point 3 links S. of the standard sec. cor. and bears S. 89°58.6' W.

Over rough and broken bench land, through scattered timber and a scant undergrowth; along a general N. slope.

- 11.50 Head of a small box canyon draining N.; continue along NE. slope.

SIXTH STANDARD PARALLEL SOUTH, SOUTH BDY. T. 30 S., R. 19 E.

Chains

20.00 Rock spur, projects N.; descend along a NW. slope.

35.20 Box canyon about 5 chains wide and 70 ft. deep, draining N.; ascend along NE. slope.

40.00 North 5 links from the tangent.

Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock and in a mound of stone, for standard sec. cor., with brass cap marked

SC
S34

1928

From which

A pinon, 5 ins. in diam., bears N. 68°45' E., 88 lks. dist., marked S34 SC BT.

A pinon, 5 ins. in diam., bears N. 49°39' W., 32 lks. dist., marked S34 SC BT.

Ascend 85 ft. along a NE. slope.

43.80 Rock spur, projects N.; descend along a NW. slope.

48.50 Box canyon, 3 chains wide and 60 ft. deep draining N.; ascend along a NE. slope.

53.00 Rock spur, projects N.; descend along a NW. slope.

80.00 North 7 links from the tangent:

Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to solid rock and in a mound of stone, for the standard cor. of secs. 33 and 34, with brass cap marked

S C
T30S R19E
S33 S34

1928

From which

A pinon, 5 ins. in diam., bears N. 58°45' E., 124 lks. dist., marked T30S R19E S34 SC BT.

A pinon, 10 ins. in diam., bears N. 41°30' W., 169 lks. dist., marked T30S R19E S33 SC BT.

Land, rough and broken bench, NE. exposure and drainage. Soil, light sandy loam and considerable exposed sandstone; 3rd rate.

Timber, pinon and juniper.

Undergrowth, sage, black, and oak brush, shadscale and native grass.

Poor grazing land.

West along the S. bdy. of sec. 33, on a transit line describing the tangent, which starts at a point 7 links S. of the standar. sec. cor. and bears S. 89°58.0' W.

Over rough broken land, through scattered timber and a scant undergrowth; descend along a NW. slope.

SIXTH STANDARD PARALLEL SOUTH, SOUTH BDY. T. 30 S., R. 19 E.

Chains

- 14.90 Box canyon about 7 chains wide and 80 ft. deep, drains N. 10° E.; ascend along a NE. slope.
- 40.00 North 10 links from the tangent; on barren sandstone.
Set an iron post, 14 ins. long, 1 in. in diam., 10 ins. in a hole drilled into solid rock, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S33

1928

No suitable bearing trees available or stone for a mound.

Ascend along a NE. slope.

- 50.00 Top of a high sandstone knob on spur projecting NE.; descend abruptly along a NW. slope.
- 63.50 Head of box canyon 2 chains wide and 50 ft. deep, draining NE.; ascend along an E. slope.
- 80.00 North 13 links from the tangent; mark a cross (X) on the surface rock, over which
Set an iron post, 3 ft. long, 2 ins. in diam., in a large mound of stone, for the standard cor. of secs. 32 and 33, with brass cap marked

S C
T30S | R19E
S32 | S33

1928

From which

A juniper, 4 ins. in diam., bears N. 35° E., 56 lks. dist., marked T30S R19E S33 SC BT.

A juniper, 5 ins. in diam., bears N. $20^{\circ}30'$ W., 110 lks. dist., marked T30S R19E S32 SC BT.

Land; rough and broken bench; considerable exposed sandstone; general N. exposure and drainage.
Soil, shallow light sandy loam; 3rd rate.
Timber, juniper and pinon.
Undergrowth; sage and buck brush, shadscale and grass.
Poor grazing land.

West, along the S. bdy. of sec. 32, on a transit line, describing the tangent, which starts at a point 13 lks. S. of the standard sec. cor. and bears S. $89^{\circ}57.3'$ W.

Over broken bench land, through scattered timber and a scant undergrowth; ascend along SE. slope.

- 7.80 Foot of high rugged sandstone spur; ascend abruptly 400 ft. over ledges.
- 12.50 Top of spur projecting N. 15° E.; descend abrupt W. slope.
- 15.00 Base of abrupt slope, bears N. 15° E. and S. 15° W.; continue descent over NW. slope.

SIXTH STANDARD PARALLEL SOUTH, SOUTH BDY. T. 30 S., R. 1 E.

Chains

40.00 North 16 links from the tangent.

Set an iron post, 3 ft. long, 1 in. in diam., 21 ins. in the ground to solid rock and in a mound of stone, for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S32

1928

From which

A pinon, 8 ins. diam., bears N. $89^{\circ}30'$ E., 8 lks. dist., marked $\frac{1}{4}$ S32 SC BT.

A pinon, 10 ins. in diam., bears N. $2^{\circ}30'$ W., 199 lks. dist., marked $\frac{1}{4}$ S32 SC BT.

Descend along a NW. slope.

51.90 Box canyon about 8 chains wide and 90 ft. deep, drains N. 10° E.; ascend along an E. slope.56.30 Spur, projects N. 10° E., about 10 chains to end; descend along a NW. slope.66.00 Box canyon, 3 chains wide and 50 ft. deep, drains N. 30° E.; ascend along a NE. slope.

80.00 North 20 links from the tangent.

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to solid rock and in a mound of stone, for the standard cor. of secs. 31 and 32, with brass cap marked

S C
T30S | R19E
S31 | S32

1928

From which

A pinon, 6 ins. in diam., bears N. 20° E., 92 lks. dist., marked T30S R19E S32 SC BT.

A pinon, 5 ins. in diam., bears N. 23° W., 79 lks. dist., marked T30S R19E S31 SC BT.

Land, bench land broken by sandstone spurs and box canyons; drainage N.

Soil, shallow light sandy loam; 3rd rate.

Timber, pinon and juniper.

Undergrowth, sagebrush, shadscale, and native grass.

Poor grazing land.

West, along the S. bdy. of sec. 31, on a transit line describing the tangent, which starts at a point 20 links S. of the standard sec. cor. and bears S. $89^{\circ}56.6'$ W.

Over broken bench land, through scattered timber and scant undergrowth; ascend along a NE. slope.

5.00 Top of spur projecting N.; descend along a NW. slope.

SIXTH STANDARD PARALLEL SOUTH, SOUTH BDY. T. 30 S., R. 19 E.

Chains

11.00 Ledge about 100 ft. high, bears N. 10° E. and S. 10° W., facing W.; descend abruptly into Devil's Lane.

28.00 Bottom of Devil's Lane, drains NE.; trail in bottom; continue along nearly level land.

35.50 Vertical ledge about 100 ft. high, facing E. and bearing NE. and SW.; descend along a broken NW. slope.

40.00 North 24 links from the tangent.

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground and mound of stone, for the standard sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S31

1928

From which

A pinon, 10 ins. in diam., bears N. 32° W., 125 lks. dist., marked $\frac{1}{4}$ S31 SC BT.

No other suitable tree available for marking.

Descend along a NW. slope broken by numerous sandstone pinnacles and ledges forming the eastern edge of Cyclone Gulch.

70.00 Bottom of canyon draining NW., continue in bottom land.

77.50 Rough sandstone spur, projects N. about 2 chains to end.

80.00 North 28 lks. from the tangent; at foot of a sandstone rim about 50 ft. high bearing N. and S.

Set an iron post, 3 ft. long, 3 ins. in diam., 30 ins. in the ground, for the standard cor. of Ts. 30 S., Rs. 18 and 19 E., with brass cap marked

SC
 T30S
 R18E | R19E
 S36 | S31

1928

From which

A juniper, 6 ins. diam., bears N. 29° E., 147 lks. dist., marked T30S R18E S31 SC BT.

A juniper, 8 ins. in diam., bears N. 72° 30' W., 151 lks. dist., marked T30S R18E S36 SC BT.

Land, rough bench, broken by sandstone spurs and box canyons draining N.

Soil, shallow light sandy loam; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush, shadscale and native grass.

Poor grazing land.

WEST BOUNDARY OF T. 30 S., R. 19 E.

Chains

From the standard cor. of Ts. 30 S., Rs. 18 and 19 E.

North, bet. secs. 31 and 36.

Over broken bench land, through scattered timber and a scant undergrowth, along general E. slope, through numerous sandstone outcrops and pinnacles.

- 4.90 Sandy draw, drains W.; continue along E. slope.
- 17.00 Sandy draw, drains SW.; ascend along SE. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for sec. cor., with brass cap marked

	1	
	4	
S36		S31
1928		

From which

A pinon, 3 ins. diam., bears N. 30° E., 47 lks. dist., marked S31 BT.

A juniper, 3 ins. in diam., bears N. 32° W., 125 lks. dist., marked S36 BT.

Ascend 25 ft. along a SE. slope.

- 51.20 Rocky spur, projects SW. from the N.; continue along top of spur.
- 64.40 Junction of spur with top of bench; continue across top of bench.
- 63.70 Left rim of box canyon, 30 ft. deep, draining SW.; thence across bottom.
- 70.00 Right rim of canyon; continue across top of bench.
- 74.25 Over a cross (X) cut in the solid surface rock.

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for witness cor. of secs. 25, 30, 31, and 36, with brass cap marked

	WC	
	T30S	
R18E		R19E
S25		S30

S36		S31

1928

No suitable trees available for marking.

Descend along a broken NW. slope over ledges.

- 76.05 Set flag point on top of vertical ledge about 300 ft. high, bearing NE. and SW., on the S. rim of Red Lake Canyon; descend abrupt NW. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31, and 36, falls on precipitous slope of sandstone.

Land, rough and broken sandstone slopes; drainage N.
Soil, shallow sandy loam; 4th rate.
Timber, widely scattered juniper.
Undergrowth, sage and black brush and native grass.
Poor grazing land.

WEST BOUNDARY OF T. 30 S., R. 19 E.

Chains

North, bet. secs. 25 and 30, counting distances from the point for the cor. of secs. 25, 30, 31, and 36.

Over rough and broken bench land, through widely scattered timber and scant undergrowth; descend abruptly along a NW. slope.

20.00 Foot of steep slope, bears NE. and SW.; continue descent along a NW. slope in the bottom of Red Lake Canyon.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S25		S30
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1928

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

No suitable trees available for marking.

Continue descent along the bottom of the canyon.

41.00 Small wash in the bottom of Red Lake Canyon, drains NE.; ascend along a SE. slope.

77.10 Rocky spur, projects E.; descend along a NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the cor. of secs. 19, 24, 25, and 30, with brass cap marked

T30S	
R18E	R19E
S24	S19

S25		S30
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1928

Deposit a sandstone rock, 6 x 6 x 6 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking and no stone available for a mound.

Land, rough and broken bench, with numerous sandstone outcrops; drainage NE.

Soil, shallow sandy to rocky loam; 4th rate.

Timber, widely scattered juniper.

Undergrowth, sage and black brush and grass.

Poor grazing land.

North, bet. secs. 19 and 24.

Over rough and broken bench land, through scattered timber and a scant undergrowth; descend along a NW. slope.

6.30 Small wash in bottom of Red Lake Canyon, drains W.; ascend 365 ft. along a SE. slope over ledges.

16.90 Spur projecting SW., on top of the ledges forming the north rim of Red Lake Canyon and bearing NE. and SW.; descend along a NW. slope.

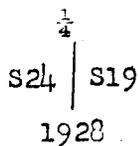
21.20 Rocky draw, drains SW.; ascend along a SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the

WEST BOUNDARY OF T. 30 S., R. 19 E.

Chains

ground to solid rock and in a mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked.



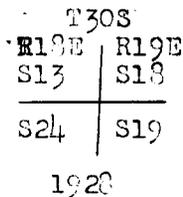
From which

A pinon, 8 ins. in diam., bears S. 86° E., 9 lks. dist., marked $\frac{1}{4}$ S19 BT.

A pinon, 6 ins. diam., bears N. 86° W., 274 lks. dist., marked $\frac{1}{4}$ S24 BT.

Ascend along a SE. slope.

- 50.10 Spur, projects SW.; descend 335 ft. over a broken NW. slope to the draw.
- 70.20 Ledge, 200 ft. high, bears NE. and SW.; descend abruptly.
- 77.50 Foot of abrupt descent at draw draining NE., in bottom of Red Lake Canyon; continue in bottom of canyon.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, with brass cap marked



From which

A juniper, 3 ins. in diam., bears S. 85° E., 188 lks. dist., marked BT.

A juniper, 5 ins. in diam., bears S. 84° W., 639 lks. dist., marked T30S R19E S24 BT.

No other suitable bearing trees available for marking. Deposit a sandstone, 10 x 8 x 6 ins., marked with a cross (X), at the base of the post.

Land, broken bench; NW. exposure and drainage. Soil, shallow sandy to rocky loam; 4th rate. Timber, Juniper and pinon. Undergrowth, sagebrush and black brush. Poor grazing land.

Discontinue survey of the boundary at this cor.

SUBDIVISION OF T. 30 S., R. 19 E.

From the standard cor. of secs. 35 and 36, on the S. bdy. of the township.

N. $0^{\circ}01'$ W., bet. secs. 35 and 36.

Over bottom lands of Squaw Wash, through scattered timber and scant undergrowth; descend along a NW. slope.

SUBDIVISION OF T. 30 S., R. 19 E.

- Chains
- 8.20 Small drain in bottom of Squaw Wash, drains NE.; continue descent along a NE. slope.
- 11.70 Recross drain, drains NW.; continue along a W. slope.
- 18.10 Point of spur projecting from the SE.; descend a N. slope.
- 19.80 Recross Squaw Wash, drains NE.; ascend along a SE. slope.
- 28.10 Rocky spur, projects NE. about 4.00 chs. dist. to end; descend along a NE. slope.
- 40.00 In bottom lands of Squaw Wash.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S35	S36
-----	-----

1929

From which

A pinon, 18 ins. in diam., bears N. 37° E., 43 lks. dist., marked $\frac{1}{4}$ S36 BT.

A pinon, 12 ins. in diam., bears S. 48° W., 62 lks. dist., marked $\frac{1}{4}$ S35 BT.

Ascend along a SE. slope.

- 48.10 Rocky spur, projects NE. about 5 chains dist. to end; continue along a broken and rocky NE. slope.
- 62.70 Rocky spur, projects NE.; descend a N. slope.
- 65.10 Draw, drains NE.; ascend along a NE. slope.
- 73.10 Sandstone spur, projects NE.; descend along a NE. slope.
- 80.00 On a NE. slope, mark a cross (X) on the surface rock, over which.

Set an iron post, 3 ft. long, 2 ins. in diam., in a large mound of stone, for the cor. of secs. 25, 26, 35, and 36, with brass cap marked

T30S	R19E
S26	S25

S35	S36
-----	-----

1929

From which

A pinon, 12 ins. in diam., bears N. $61^{\circ}15'$ E., 53 lks. dist., marked T30S R19E S25 BT.

A pinon, 8 ins. diam., bears S. $15^{\circ}15'$ E., 137 lks. dist., marked T30S R19E S36 BT.

A juniper, 9 ins. in diam., bears S. $33^{\circ}15'$ W., 94 lks. dist., marked T30S R19E S35 BT.

A juniper, 6 ins. in diam., bears N. 53° W., 115 lks. dist., marked T30S R19E S26 BT.

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

Land, rolling bottom land of Squaw Wash.
Soil, deep clay loam; 3rd rate.
Timber, pinon, and juniper.
Undergrowth, sagebrush and shadscale.
Poor grazing land.

East, on random line, bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect the S. bdy. of the township, 5 lks. N. of the cor. of secs. 25, 30, 31, and 36, an iron post, 2" diam., firmly set, properly marked and witnessed as described in the official record.

Thence:

N. $89^{\circ}58'$ W., on true line, bet. secs. 25 and 36.

Over rolling land, through scattered timber and a scant undergrowth; ascend along a NE. slope.

6.00 Low spur, projects N. 10° W.; descend along a NW. slope.

12.80 Small draw; drains N.; ascend along a NE. slope.

15.30 Spur, projects N.; descend along a NW. slope.

23.10 Draw, drains NE.; ascend along an E. slope.

39.98 On E. slope of surface rock, mark a cross (X), over which

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S25

S36

1929

From which

A pinon, 3 ins. in diam., bears N. $61^{\circ}30'$ E., 78 lks. dist., marked $\frac{1}{4}$ S25 BT.

A pinon, 6 ins. in diam., bears S. $76^{\circ}15'$ E., 97 lks. dist., marked $\frac{1}{4}$ S36 BT.

Ascend along a NE. slope.

41.20 Spur, projects N.; descend along a NW. slope.

66.90 Squaw Wash, drains NE.; small spring in the bottom about 5 chains NE.; ascend along a NE. slope.

79.96 The cor. of secs. 25, 26, 35, and 36.

Land, rolling with considerable exposed sandstone.
Soil, heavy clay in bottom lands and sand on spurs; 2nd rate.
Timber, juniper and pinon.
Undergrowth, sagebrush, mountain rush, and shadscale.
Fair grazing land.

SUBDIVISION OF T. 30 S., R. 19 E.

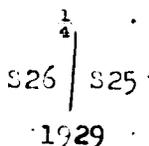
Chains

N. 0°01' W., bet. secs. 25 and 26.

Over rolling bench land, through scattered timber and scant undergrowth; along a general NE. slope.

28.00 Sandstone spur, projects NE.; descend along a gentle NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the sec. cor., with brass cap marked



From which

A pinon, 12 ins. diam., bears S. 59° E., 414 lks. dist., marked S25 PT.

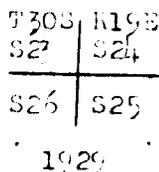
A juniper, 12 ins. in diam., bears S. 71° W., 535 lks. dist., marked S26 PT.

Continue along a gentle NE. slope.

45.30 Trail, bears NE. and SW., Devil's Lane to Cave Springs.

57.80 Sandstone spur, projects NE.; descend along a gentle slope.

90.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for the cor. of secs. 23, 24, 25, and 26, with brass cap marked



From which

A pinon, 3 ins. in diam., bears N. 19°15' E., 442 lks. dist., marked T30S R19E S24 PT.

A juniper, 3 ins. in diam., bears S. 24°15' E., 220 lks. dist., marked PT.

A juniper, 3 ins. in diam., bears S. 87° W., 556 lks. dist., marked PT.

A juniper, 3 ins. in diam., bears N. 60°15' W., 404 lks. dist., marked T30S R19E S23 PT.

Land, rolling bench broken by sandstone spurs; NE. drainage. Soil, sandy loam; 2nd rate. Timber, juniper and pinon, Undergrowth, sagebrush and shadscale with bunch grass. Excellent grazing land.

S. 39°52' E., on a random line, bet. secs. 24 and 25.

40.00 Set temp. sec. cor.

79.82 Intersect the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the township, an iron post, 2 ins. in diam., firmly set, properly marked and witnessed as described in

SUBDIVISION OF T230 S21 R219 E.

Chains

the official record. ... 10°0' N

Thence:
N. 89°58' W., on true line, bet. secs. 24 and 25.

Over rolling bench land, through scattered timber and scant undergrowth; descend along a NW. slope.

8.20 Draw, drains N.; ascend along a NE. slope.

14.20 Spur, projects N.; descend along a NW. slope.

25.00 Draw, drains NE.; ascend along a NE. slope.

29.91 Set an iron post, 3 ft. long, 1 in. in diam., 5 ins. in the ground to solid rock and in a mound of stone, for the sec. cor., with brass cap marked

S24

S25

1929

From which

A pinon, 8 ins. in diam., bears N. 24°15' E., 171 lks. dist., marked $\frac{1}{4}$ S24 ET.

A juniper, 5 ins. in diam., bears S. 29° W., 207 lks. dist., marked $\frac{1}{4}$ S25 BT.

Ascend along a NE. slope.

47.20 Rocky spur, projects NE.; descend along a NW. slope.

55.20 Draw, drains NE.; continue along a N. slope.

79.22 The cor. of secs. 23, 24, 25, and 26.

Land, rolling bench broken by sandstone spurs; NE. drainage.

Soil, sandy loam; 2nd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush, shadscale, and bunch grass.

Good grazing land.

From the standard cor. of secs. 34 and 35, on the S. bd. of the township.

N. 0°01' W., bet. secs. 34 and 35.

Over rolling land, through scattered timber and scant undergrowth; ascend along a NE. slope.

40.00 On a general N. slope.

Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to solid rock and in a mound of stone, for the sec. cor., with brass cap marked

S34

S35

1929

From which

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

A pinon, 8 ins. in diam., bears S. $68^{\circ}45'$ W., 103 lks. dist., marked $\frac{1}{4}$ S34 BT.

A juniper, 3 ins. in diam., bears S. $48^{\circ}30'$ E., 71 lks. dist., marked BT.

Continue descent along a NE. slope.

80.00

On a NE. slope of sandstone surface rock, mark a cross (X) over which.

Set an iron post, 3 ft. long, 2 ins. in diam., in a large mound of stone, for the cor. of secs. 26, 27, 34, and 35, with brass cap marked

T30S	R19E
S27	S26
S34	S35

1929

From which

A pinon, 10 ins. in diam., bears N. $81^{\circ}45'$ E., 157 lks. dist., marked T30S R19E S26 BT.

A pinon, 12 ins. in diam., bears S. $46^{\circ}45'$ E., 119 lks. dist., marked T30S R19E S35 BT.

A pinon, 10 ins. in diam., bears S. $11^{\circ}15'$ W., 126 lks. dist., marked T30S R19E S34 BT.

A juniper, 8 ins. in diam., bears N. $18^{\circ}45'$ W., 135 lks. dist., marked T30S R19E S27 BT.

Land, rolling bench broken by sandstone spurs; NE. exposure drainage.

Soil, gravelly to rocky loam; 4th rate.

Timber, pinon and juniper.

Undergrowth, sagebrush, shadscale, and bunch grass.

Fair grazing land.

East, on a random line, bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.03 Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 25, 26, 35, and 36.

Thence:

S. $89^{\circ}57'$ W., on true line, bet. secs. 26 and 35.

Over rolling bench land, through scattered timber and scant undergrowth; ascend along a NE. slope.

9.50 Spur, projects NE.; descend along a general N. slope.

33.10 Begin ascent over a NE. slope.

40.04 On top of a rocky spur projecting N.; mark a cross (X) on the surface rock, over which.

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

S26

S35

1929

From which

A pinon, 3 ins. in diam., bears S. 34°15' E., 88 lks. dist., marked BT.

A pinon, 3 ins. in diam., bears N. 62°30' E., 46 lks. dist., marked BT.

Descend along a SW. slope.

- 51.00 Sandstone rim, about 75 ft. high, bears N. and S.
- 60.70 Draw, drains E. 10° W.; small stream of water in bottom; ascend along a NE. slope.
- 66.40 Sandstone spur, projects NE.; descend along a NW. slope.
- 75.80 Draw, drains NE.; ascend along a NE. slope.
- 90.09 The cor. of secs. 26, 27, 34, and 35.

Land, rolling bench becoming more rough to the W.; NE. drainage.

Soil, sandy to gravelly loam; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush, mountain rush, and shadscale.

Fair grazing land.

N. 0°01' W., bet. secs. 26 and 27.

Over rolling land, through scattered timber and scant undergrowth; descend along a general N. slope.

- 14.90 Spur, projects NE.; descend along a NE. slope.
 - 21.00 Draw, drains NE.; continue descent along bottom of draw, crossing and recrossing the wash.
 - 40.00 On an E. slope, on the W. side of wash.
- Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the sec. cor., with brass cap marked

S27 | S26

1929

From which

A cottonwood, 14 ins. in diam., bears N. 77° E., 59 lks. dist., marked S26 BT.

A juniper, 5 ins. in diam., bears N. 63°30' W., 25 lks. dist., marked S27 BT.

Continue along bottom of draw.

- 50.10 Leave draw, drains NW.; ascend along a SW. slope.
- 64.10 Spur, projects NW.; descend a N. slope.

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

74.00 Draw, drains NW.; continue along a general W. slope.

80.00 On a general W. slope.

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to solid rock and in a mound of stone, for the cor. of secs. 22, 23, 26, and 27, with brass cap marked

T30S	R19E
S22	S23
S27	S26

1929

From which

A pinon, 8 ins. in diam., bears N. 32° E., 100 lks. dist., marked T30S R19E S23 PT.

A pinon, 5 ins. in diam., bears S. 40° E., 90 lks. dist., marked T30S R19E S26 PT.

A pinon, 12 ins. in diam., bears S. 4° 30' W., 17 lks. dist., marked T30S R19E S27 PT.

A pinon, 10 ins. in diam., bears N. 34° W., 52 lks. dist., marked T30S R19E S22 PT.

Land, rock bottom of draw draining E.

Soil, shallow gravelly loam; 3rd rate.

Timber, pinon, juniper, and cottonwood.

Undergrowth, sagebrush, owlump and chadscale.

Fair grazing land.

N. 59° 57' E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. 1 sec. cor.

80.20 Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 23, 24, 25, and 26.

Thence:

West, on true line, bet. secs. 23 and 26.

Over rolling bench land, through scattered timber and scant undergrowth; descend along a NW. slope.

19.20 Draw, drains NE.; ascend along a NE. slope.

28.20 Spur, projects N.; descend along a W. slope.

38.28 On a W. slope:

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock, and in a mound of stone, for the witness 1/4 sec. cor., with brass cap marked

.WC 1/4	S23
	S26

1929

From which

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

A pinon, 12 ins. in diam., bears N. $31^{\circ}15'$ E., 37 lks. dist., marked WC $\frac{1}{2}$ S23 BT.

A pinon, 14 ins. in diam., bears S. $25^{\circ}45'$ E., 52 lks. dist., marked WC $\frac{1}{2}$ S26 BT.

Continue descent over a W. slope.

39.00 Draw, drains NE.; ascend along a NE. slope.

40.10 True point for the $\frac{1}{2}$ sec. cor. falls upon a sloping sandstone surface, where the cor. monument cannot be established.

50.90 Sandstone spur, projects NE.; descend along a SW. slope.

60.70 Draw, drains S.; ascend along SE. slope.

75.40 Spur, projects SW., about 4 chains to end; descend along a W. slope.

70.20 The cor. of secs. 22, 23, 26, and 27.

Land, rolling bench broken by sandstone spurs; drainage, N. Soil, gravelly to rocky loam; 3rd rate. Timber, pinon and juniper. Undergrowth, sagebrush, shadscale, and owiump. Fair grazing land.

From the standard cor. of secs. 33 and 34, on the S. bdy. of the township.

N. $0^{\circ}02'$ W., bet. secs. 33 and 34.

Over broken bench, through widely scattered timber and scant undergrowth; ascend along a SW. slope.

11.40 Spur, projects W.; descend along a NW. slope.

21.20 Draw, drains W.; ascend along a SW. slope.

30.50 Spur, projects W.; descend along a NW. slope.

40.00 On a NW. slope of surface rock, mark a cross (X), over which:

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap marked

S33 | S34

1929

From which

A juniper, 3 ins. diam., bears S. $45^{\circ}15'$ E., 79 lks. dist., marked BT.

A juniper, 7 ins. in diam., bears S. 43° W., 90 lks. dist., marked $\frac{1}{2}$ S33 BT.

Descend along a NW. slope.

42.00 Draw, drains W.; ascend along a SW. slope.

45.00 Spur, projects W.; descend along a NW. slope.

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

58.30 Draw, drains W.; ascend along a SW. slope over ledges.

75.50 Spur, projects NW.; descend along a NE. slope.

80.00 On a NE. slope.

Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to solid rock and in a mound of stone, for the cor. of secs. 27, 28, 33, and 34, with brass cap marked

T30S R19E

S20 S27

S33 S34

1929

From which

A pinon, 8 ins. in diam., bears N. $58^{\circ}15'$ E., 111 lks. dist., marked T30S R19E S27 BT.

A pinon, 7 ins. in diam., bears S. $51^{\circ}30'$ E., 103 lks. dist., marked T30S R19E S34 BT.

A pinon, 6 ins. diam., bears S. $12^{\circ}45'$ W., 150 lks. dist., marked T30S R19E S33 BT.

A pinon, 10 ins. diam., bears N. $36^{\circ}45'$ W., 51 lks. dist., marked T30S R19E S28 BT.

Land, rolling and broken bench; general NW. exposure and drainage.

Soil, shallow gravelly loam; 3rd rate.

Timber, pinon and juniper.

Undergrowth, sagebrush and shadscale.

Poor grazing land.

East, on a random line, bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect the N. and S. line, 14 lks. S. of the cor. of secs. 26, 27, 34, and 35.

Thence:

S. $89^{\circ}54'$ W., on true line, bet. secs. 27 and 34.

Over rolling bench land, through scattered timber and scant undergrowth.

1.00 Spur, projects N.; descend along a NW. slope.

7.90 Draw, drains N. 15° E.; ascend along a NE. slope.

21.40 Spur, projects N.; descend along a NW. slope over ledges.

40.08 Over a cross (X) cut in the solid rock.

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S27

S34

1929

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

From which

A pinon, 8 ins. in diam., bears N. 42°15' E., 77 lks. dist., marked $\frac{1}{2}$ S27 PT.

A pinon, 7 ins. in diam., bears S. 35°30' E., 72 lks. dist., marked $\frac{1}{2}$ S34 PT.

Descend along a NW. slope.

- 41.10 Draw, drains NE.; ascend along a NE. slope.
- 43.60 Spur, projects N.; descend along a NE. slope.
- 47.40 Small spring, bears N. 35°30' W., 4.90 chs. dist.
- 49.00 Draw, drains NE.; ascend along a NE. slope over a series of sandstone ledges.
- 67.10 Ridge, bears NE. and SW.; continue along a general N. slope.
- 80.16 The cor. of secs. 27, 28, 33, and 34.

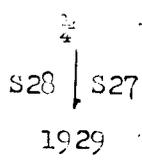
Land, rolling bench broken by sandstone ledges and spurs.
 Soil, shallow sand; 3rd rate.
 Timber, pinon and juniper.
 Undergrowth, sagebrush and shadscale.
 Poor grazing land.

N. 0°02' W., bet. secs. 27 and 28.

Over broken and rocky bench, through scattered timber and scant undergrowth; descend along a NE. slope.

- 23.10 Trail, bears E. and W.; Devil's Lane to Cave Springs.
- 24.10 Draw, drains W.; ascend along a SW. slope over ledges.
- 40.00 On a rocky SW. slope.

Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to solid rock and in a mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap marked



From which

A pinon, 6 ins. in diam., bears N. 46°45' E., 37 lks. dist., marked $\frac{1}{2}$ S27 PT.

A pinon, 8 ins. in diam., bears N. 76°15' W., 85 lks. dist., marked $\frac{1}{2}$ S28 PT.

Continue ascent along a SW. slope.

- 43.30 Sandstone spur, projects W.; descend along a NW. slope.
- 56.00 Draw, drains W.; ascend along a SW. slope over ledges.
- 74.00 Spur, projects NW.; descend along a NE. slope.
- 80.00 On a NE. slope:

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

the ground to solid rock and in a mound of stone, for the cor. of secs. 21, 22, 27, and 28, with brass cap marked

T30S	R19E
S21	S22
S28	S27

1929

From which

A pinon, 7 ins. in diam., bears N. 77° E., 117 lks. dist., marked T30S R19E S22 BT.

A pinon, 3 ins. in diam., bears S. 63°30' E., 53 lks. dist., marked BT.

A pinon, 8 ins. in diam., bears S. 23°45' W., 19 lks. dist., marked T30S R19E S28 BT.

A juniper, 3 ins. diam., bears N. 85°15' W., 162 lks. dist., marked BT.

Land, rolling bench broken by sandstone ledges and spurs; NW. drainage.

Soil, sandy to gravelly; 3rd rate.

Timber, pinon and juniper.

Undergrowth, black brush, mountain rush, and bunch grass. Fair grazing land.

N. 89°54' E., on random line, bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

80.10 Intersect the N. and S. line, 16 lks. S. of the cor. of secs. 22, 23, 26, and 27.

Thence:

S. 89°47' W., on true line, bet. secs. 22 and 27.

Over rolling sandstone slopes, through scattered timber and scant undergrowth; descend along a NW. slope.

4.60 Draw, drains NW.; ascend along a NE. slope.

12.40 Spur, projects N.; descend along a NW. slope.

18.00 Draw, drains N.; ascend along an E. slope.

27.10 Spur, projects NE. from the SE.; descend along a NW. slope.

34.40 Draw, drains NE.; ascend along a SE. slope.

40.05 On a SE. slope.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the 1/4 sec. cor., with brass cap marked

S22

S27

1929

From which

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

A pinon, 7 ins. in diam., bears N. $35^{\circ}15'$ E., 70 lks. dist., marked \ddagger S22 BT.

A juniper, 6 ins. diam., bears S. $29^{\circ}15'$ E., 53 lks. dist., marked \ddagger S27 BT.

Ascend along a SE. slope over ledges.

52.10 Ridge, bears N. and S.; descend along a NW. slope.

65.40 Draw, drains N.; ascend along a NE. slope.

69.70 Spur, projects N.; continue along a general N. slope.

80.10 The cor. of secs. 21, 22, 27, and 28.

Land, sandstone bench, broken by ledges and spurs; drainage N.

Soil, shallow sand; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sage and black brush and mountain rush.

Poor grazing land.

From the standard cor. of secs. 32 and 33, on the S. bdy. of the township.

N. $0^{\circ}03'$ W., bet. secs. 32 and 33.

Over broken bench land, through scattered timber and a scant undergrowth; ascend along a SE. slope over barren sandstone.

16.60 Sandstone ridge, 120 ft. high, bears NE. and SW.; descend along a NW. slope.

36.20 Small draw, drains NW.; ascend along a SW. slope.

40.00 On a SW. slope:

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock and in a mound of stone, for the \ddagger sec. cor., with brass cap marked

$$\frac{1}{4}$$

S32	S33
1929	

From which

A juniper, 10 ins. in diam., bears S. $10^{\circ}30'$ E., 149 lks. dist., marked \ddagger S33 BT.

A pinon, 9 ins. in diam., bears N. 55° W., 205 lks. dist., marked \ddagger S32 BT.

Continue ascent along a SW. slope.

51.10 Sandstone ridge, bears NW. and SE.; descend along a NE. slope over ledges.

52.50 Draw, drains NE.; ascend along a SE. slope.

75.50 Spur, projects NE.; descend along a NW. slope.

80.00 On a NW. slope, over a cross (X) cut in the solid rock.

SUBDIVISION OF T. 30 S., R. 19 E.

Set an iron post, 5 ft. long, 2 ins. in diam., in a large mound of stone, for the cor. of secs. 28, 29, 32, and 33, with brass cap marked

T30S	R19E
S29	S28
S32	S33

1929

From which

A pinon, 6 ins. in diam., bears S. $30^{\circ}30'$ E., 75 lks. dist., marked T30S R19E S33 BT.

A pinon, 5 ins. in diam., bears S. 81° W., 117 lks. dist., marked T30S R19E S32 BT.

A pinon, 8 ins. in diam., bears N. $68^{\circ}45'$ W., 99 lks. dist., marked T30S R19E S29 PT.

No other suitable tree available for marking.

Land, rolling sandstone hills; NE. exposure and drainage. Soil, shallow sand; 3rd rate. Timber, pinon, and juniper. Undergrowth, sagebrush, shade-scale, and bunch grass. Fair grazing land.

East, on random line, bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 27, 28, 33, and 34.

Thence:

S. $89^{\circ}55'$ W., on true line, bet. secs. 28 and 33.

Over broken bench land, with considerable exposed sandstone, through scattered timber and scant undergrowth; ascend along a SE. slope.

1.20 Sandstone spur, projects NW.; ascend along a rough broken NW. slope over ledges.

21.40 Draw, drains NW.; ascend along a NE. slope.

31.60 Spur, projects NE. from the SE.; descend along a W. slope.

36.80 Small draw, drains N.; ascend along a NE. slope.

40.05 On a sandstone spur, projecting N.

Set an iron post, 3 ft. long, 1 in. in diam., 5 ins. in the ground to solid rock and in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

S28

S33

1929

From which

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

A pinon, 6 ins. in diam., bears S. 72°15' W., 185 lks. dist., marked $\frac{1}{4}$ S33 BT.

A pinon, 9 ins. in diam., bears N. 56°30' W., 98 lks. dist., marked $\frac{1}{4}$ S28 BT.

Continue along a N. slope.

- 40.90 Head of small draw draining NE.; ascend an E. slope.
- 46.30 Sandstone spur, projects NE.; descend along a NW. slope.
- 69.20 Draw, drains N.; ascend along a NE. slope.
- 79.00 Spur, projects NE.; descend along a NW. slope.
- 90.10 The cor. of secs. 28, 29, 32, and 33.

Land, rough and broken sandstone bench; NE. drainage. Soil, shallow sand; 3rd rate. Timber, juniper and pinon. Undergrowth, sagebrush, shadscale, and bunch grass. Fair grazing land.

N. 0°03' W., bet. secs. 28 and 29.

Over rough and broken sandstone slopes, through scattered timber and scant undergrowth; descend along a NW. slope.

- 4.00 Draw, drains NE.; ascend along a SE. slope.
- 10.50 Sandstone spur, projects NE.; descend along a NW. slope.
- 23.10 Head of small draw draining NW.; ascend along a SW. slope.
- 29.00 Sandstone spur, projects NW.; continue along a general W. slope.
- 40.00 Over a cross (X) cut in solid rock.

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S29 | S28

1929

From which

A pinon, 3 ins. in diam., bears S. 63°45' E., 38 lks. dist., marked BT.

A pinon, 14 ins. in diam., bears S. 47°30' W., 98 lks. dist., marked $\frac{1}{4}$ S29 BT.

Ascend along a general W. slope.

- 42.10 Sandstone spur, projects W.; descend along a NW. slope.
- 48.00 Draw, drains NE.; trail in bottom, bears with draw; Devil Lane to Cave Springs; ascend along a SE. slope.
- 55.40 Spur, projects NE.; descend along a NW. slope.
- 57.50 Draw, drains NE.; ascend along a SE. slope.

.SUBDIVISION OF T. 30 S., R. 19 E.

- Chains
68.10 Spur, projects NE.; continue over broken land.
- 79.23 On a NW. slope.
- Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to solid rock and in a mound of stone, for the witness cor. of secs. 20, 21, 28, and 29, with brass cap marked
- | | |
|------|------|
| W C | |
| T30S | R19E |
| S20 | S21 |
| S29 | S28 |
- 1929
- From which
- A pinon, 5 ins. in diam., bears N. 60°30' E., 21 lks. dist., marked WC T30S R19E S28 BT.
- A pinon, 4 ins. in diam., bears N. 73°45' W., 36 lks. dist., marked WC BT.
- No other suitable trees available for marking.
- 80.00 True point for the cor. of secs. 20, 21, 28, and 29, falls on a sandstone knob, where it is impracticable to set a cor.
- Land, rough and broken sandstone slopes; drainage NE.
Soil, shallow sand; 3rd rate.
Timber, juniper and pinon.
Undergrowth, black brush, mountain rush, and sagebrush.
Fair grazing land.
-
- From the true point for the cor. of secs. 20, 21, 28, and 29.
- N. 89°55' E., on random line, bet. secs. 21 and 28.
- 40.00 Set temp. 2 sec. cor.
- 80.06 Intersect the N. and S. line, 16 lks. N. of the cor. of secs. 21, 22, 27, and 28.
- Thence:
- N. 89°58' W., on true line, bet. secs. 21 and 28.
- Over rough and broken sandstone slopes, through scattered timber and scant undergrowth; ascend along a NE. slope.
- 5.10 Spur, projects NW.; descend along a NW. slope.
- 18.00 Sandstone rim, 100 ft. high, bears N. and S.; descend into canyon.
- 23.00 Canyon, drains N.; ascend over ledges.
- 30.10 Sandstone rim, 75 ft. high, bears N. and S.; continue ascend along a NE. slope.
- 37.90 Spur, projects NE.; descend along a NW. slope.
- 40.03 On a NW. slope.
- Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in

SUBDIVISION OF T. 30 S., R. 119 W.

Chains	<p>the ground to solid rock and in a mound of stone, $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: right;">321</p> <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> <p style="text-align: right;">S28</p> <p style="text-align: right;">1929</p> <p>From which</p> <p>A pinon, 5 ins. in diam., bears S. $58^{\circ}15'$ W., 57 lks. dist., marked $\frac{1}{4}$ S28 BT.</p> <p>A pinon, 8 ins. in diam., bears N. $65^{\circ}30'$ W., 29 lks. dist., marked $\frac{1}{4}$ S21 BT.</p> <p>Descend along a NW. slope.</p> <p>41.10 Draw, drains NE.; ascend along a broken NE. slope.</p> <p>59.20 Sandstone spur, projects N.; descend along a NW. slope.</p> <p>64.30 Draw, drains N.; ascend along a rocky NE. slope.</p> <p>72.80 Sandstone spur, projects NE. from SE.; descend along a NW. slope.</p> <p>80.06 True point for the cor. of secs. 20, 21, 2nd, and 2nd.</p> <p>Land, rough and broken slopes of sandstone; drainage NE. Soil, shallow sand; 3rd rate. Ticker, juniper and pinon. Undergrowth, sagebrush, mountain rush, and shadscale. Poor grazing land.</p> <hr/> <p>From the standard cor. of secs. 31 and 32, on the S. bd. of the township.</p> <p>N. $0^{\circ}03'$ W., bet. secs. 31 and 32.</p> <p>Over rough and broken sandstone slopes, through scatter timber and a scant undergrowth; descend along a general slope over sandstone outcrops.</p> <p>24.00 Small draw, drains NE.; ascend along a SE. slope.</p> <p>27.30 Spur, projects NE.; descend along a broken NW. slope.</p> <p>33.60 Right rim of Devil's Lane, a sandstone ledge about 60 ft high, bears NE. and SW.; descend abruptly.</p> <p>40.00 On a steep NW. slope:</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: right;">S31 S32</p> <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> <p style="text-align: right;">1928</p> <p>From which</p> <p>A juniper, 8 ins. in diam., bears S. $30^{\circ}15'$ E., 50 lks. dist., marked $\frac{1}{4}$ S32 BT.</p>
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.SUBDIVISION OF T. 30 S., R. 19 E.

Chains

A juniper, 3 ins. in diam., bears S. 21°15' W., 468 lks. dist., marked $\frac{1}{4}$ S31 BT.

Continue descent along a general NW. slope in the canyon bottom.

58.00 Wash in bottom of Devil's Lane; drains NE.; continue ascent along a gentle SE. slope.

60.00 Begin abrupt ascent over SE. slope of ledges.

61.20 Right rim of Devil's Lane, sandstone ledge, 45 ft. high, bears NE. and SW.; continue ascent along a SE. slope.

66.80 Sandstone spur, projects NE.

70.00 Bottom of depression draining W.; ascend along a S. slope.

72.81 At the base of a ledge bearing NW. and NE.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for witness cor. of secs. 29, 30, 31, and 32,

W C	
T30S	R19E
S30	S29.
S31	S32

1928

From which

A pinon, 9 ins. in diam., bears N. 73°45' E., 162 lks. dist., marked BT.

A pinon, 6 ins. in diam., bears S. 2°30' E., 107 lks. dist., marked WC T30S R19E S32 BT.

A pinon, 3 ins. in diam., bears S. 59° W., 174 lks. dist., marked WC T30S R19E S31 BT.

No other suitable bearing tree available for marking.

Ascend abruptly over ledges.

80.00 Point for the cor. of secs. 29, 30, 31, and 32, falls upon steep sloping sandstone where the cor. monument cannot be established.

Land, rough and broken sandstone slopes; drainage NE. Soil, shallow sand; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush, mountain rush, shadscale, and bunch grass.

Fair grazing land.

From the true point for the cor. of secs. 29, 30, 31, and 32.

East, on a random line, bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect the N. and S. line, 5 lks. S. of the cor. of secs. 28, 29, 32, and 33.

Thence:

SUBDIVISION OF T. 30 S., R. 19 E.

- Chains S. 89°58' W., on true line, bet. sec. 29 and 32, for the
 Over rough and broken land, through scattered timber and
 a scant undergrowth; descend along a rough NW. slope over
 ledges.
- 6.80 Draw, drains NE.; ascend along a SE. slope.
- 11.30 Spur, projects N.; descend along a steep and rocky NW.
 slope over ledges.
- 18.50 Ledge about 90 ft. high, bears NE. and SW.; descend
 abruptly.
- 20.80 Bottom of canyon draining NE.; trail in bottom from
 Devil's Lane to Cave Springs; ascend abruptly over ledges.
- 30.10 Ledge, 75 ft. high, bears NE. and SW.; continue ascent
 along a SE. slope.
- 36.00 Ridge, bears NW. and SE.; descend along a SW. slope.
- 40.03 On general S. slope, over a cross(X) cut in solid rock.
 Set an iron post, 3 ft. long, 1 in. in diam., in a large
 mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked
- S29
 $\frac{1}{4}$ —————
 S32
- 1929
- From which
- A pinon, 10 ins. in diam., bears S. 62°30' E., 95 lks.
 dist., marked $\frac{1}{4}$ S32-BT.
- A pinon, 8 ins. in diam., bears N. 81° W., 112 lks.
 dist., marked $\frac{1}{4}$ S29-BT.
- Continue along a general N. slope over sandstone outcrops.
- 44.70 Sandstone point, projects SW.; descend 175 ft. over a W.
 slope to canyon.
- 61.00 Devil's Lane, 60 ft. deep, and 5 chains wide, drains NW.;
 continue over a N. slope.
- 74.00 Ridge, bears NW. and SE.; descend abruptly over ledges.
- 80.06 The true point for the cor. of secs. 29, 30, 31, and 32.
 Land, rough and broken sandstone slopes cut by deep box
 canyons; general N. drainage.
 Soil, shallow sand; 3rd rate.
 Timber, juniper and pinon.
 Undergrowth, sagebrush and mountain rush.
 Poor grazing land.
-
- From the true point for the cor. of secs. 29, 30, 31, and
 32.
- West, on a random line, bet. secs. 30 and 31.
- 41.00 Set temp. witness $\frac{1}{4}$ sec. cor.
- 79.93 Intersect the W. bdy. of the township at a point 9 lks.

SUBDIVISION OF T. 30 S., R. 19 E.

Corners

N. of the true point for the corner of secs. 25, 30, 31, and 36, which is 5.75 chs. N. of the witness cor. of said secs.

Thence, from the true point for cor.

N. 89°56' E., on true line, bet. secs. 30 and 31.

Over rough and broken land, through scattered timber and a scant undergrowth; ascend abruptly on a NW. slope over ledges.

- 7.10 Top of ledges bearing NE. and SW.; continue over broken bench.
- 12.30 Draw, drains N., continue over bench.
- 22.30 Rim of Cyclone Canyon, ledges about 200 ft. high, bearing NE. and SW.; descend abruptly.
- 29.00 Bottom of Cyclone Canyon, drains NE.; continue across bottom of canyon.
- 38.93 In bottom of canyon, over a cross (X) cut in solid rock. Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the witness sec. cor., with brass cap marked

S30
 ——— WC
 S31

1928

From which

A juniper, 3 ins. in diam., bears S. 21°30' W., 102 lks. dist., marked WC T.

A juniper, 6 ins. in diam., bears S. 32°30' W., 238 lks. dist., marked WC T.

Ascend abruptly over ledges.

- 39.93 Point for the sec. cor. falls on steep sloping sandstone where the cor. monument cannot be set.
- 48.00 High sandstone spur projecting N. and forming the E. rim of Cyclone Canyon; continue across broken bench.
- 55.00 Small draw, drains N.; ascend along a broken NW. slope.
- 67.20 Sandstone spur, projects N.; descend over ledges of barren sandstone.
- 74.00 Sandstone rim, 150 ft. high, bears N. and S.; descend abruptly.
- 78.30 Draw, drains NW.; continue along a broken S. slope.
- 79.93 Point for the cor. of secs. 29, 30, 31, and 32.
- Land, rough and broken sandstone ledges; drainage NW.
 Soil, shallow sand; 3rd rate.
 Timber, juniper and pinon.
 Undergrowth, blackbrush.
 Poor grazing land.

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

From the true point for the cor. of secs. 29, 30, 31, and 32.

N. 0°03' W., bet. secs. 29 and 30.

Over rough and broken land, through scattered timber and a scant undergrowth; ascend along a general S. slope over sandstone surface rock.

2.00 Small draw, drains NW.; continue over ledges facing S.

4.50 Sandstone rim 100 ft. high, bearing E. and W.; continue ascent along a SW. slope.

7.10 Sandstone spur, projects W.; descend along a broken and rocky NW. slope.

32.00 Head of rocky draw draining NW.; ascend along a SW. slope.

35.00 Sandstone spur, projects NW.; descend along a rocky NW. slope.

40.00 On barren sandstone, over a cross (X) cut in solid sandstone.

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the sec. cor., with brass cap marked

S30	S29
-----	-----

1929

From which

A pinon, 3 ins. in diam., bears S. 36°15' E., 113 lks. dist., marked ET.

A pinon, 3 ins. in diam., bears S. 65°45' W., 45 lks. dist., marked BT.

Descend along a NW. slope.

51.00 Draw, drains NW.; ascend along a SW. slope.

61.70 Sandstone spur, projects W.; descend along a NW. slope.

72.60 Draw, drains W.; ascend along a general SW. slope.

80.00 Over a cross (X) cut in solid rock.

Set an iron post, 3 ft. long, 2 ins. in diam., in a large mound of stone, for the cor. of secs. 19, 20, 29, and 30, with brass cap marked

T30S	R19E
S19	S20

S30	S29
-----	-----

1929

From which

A pinon, 3 ins. in diam., bears N. 68°30' E., 90 lks. dist., marked BT.

A pinon, 3 ins. in diam., bears S. 37° E., 114 lks. dist., marked BT.

SUBDIVISION OF T. 30 S., R. 19 E.

Chains

A juniper, 6 ins. in diam., bears S. 9° W., 120 lks. dist., marked T30S R19E S30 PT.

A pinon, 5 ins. in diam., bears N. 11°30' W., 91 lks. dist., marked T30S R19E S19 PT.

Land, rough and broken bench, considerable exposed sandstone; drainage NW. Soil, shallow sand; 3rd rate. Timber, juniper and pinon. Undergrowth, sage and black brush. Poor grazing land.

N. 89°58' E., on a random line, bet. secs. 20 and 29.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect the true point for the cor. of secs. 20, 21, 28, and 29.

Thence:

S. 89°58' W., on true line, bet. secs. 20 and 29.

Over rough and broken land, through scattered timber and a scant undergrowth; along a general N. slope.

5.10 Draw, drains N.; ascend along a NW. slope.

7.90 Spur, projects N.; descend along a NW. slope.

16.10 Draw, drains NE.; ascend along a NE. slope.

21.30 Sandstone spur, projects NE.; descend along a NW. slope.

27.10 Draw, drains NE.; ascend along an E. slope.

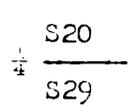
31.50 Spur, projects NE.; descend along a NW. slope.

34.00 Sandstone spur, projects NE.; descend along a NW. slope.

37.10 Draw, drains NE.; ascend along an E. slope.

40.03 Over a cross (X) cut in solid rock.

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the 1/4 sec. cor., with brass cap marked



1929

From which

A pinon, 8 ins. in diam., bears S. 79°15' E., 44 lks. dist., marked 1/4 S29 PT.

A pinon, 6 ins. in diam., bears N. 18°45' E., 79 lks. dist., marked 1/4 S20 PT.

Continue ascent along a general E. slope.

49.00 Ridge, bears NE. and SW.; descend along a broken NW. slope.

55.10 Rim of Devil's Lane, sandstone ledge 100 ft. high, bears N. 15° E. and S. 15° W.; descend abruptly.

SUBDIVISION OF T. 30 S., R. 19 E.

Chains
 59.00 Bottom of Devil's Lane, drains NE.; ascend along an E. slope over ledges.
 63.90 Rim of Devil's Lane, sandstone ledge 110 ft. high, bears N. 15° E. and S. 15° W.; continue over broken bench land.
 67.00 Ridge, bears NE. and SW.; continue along a SW. slope.
 80.06 The cor. of secs. 19, 20, 21, and 30.
 Land, bench broken by sandstone canyons and spurs; drainage N.
 Soil, shallow sand; 3rd rate.
 Timber, juniper and pinon.
 Undergrowth, sage and black brush.
 Poor grazing land.

S. 89°56' W., on random line, bet. secs. 19 and 30.

41.25 Set temp. witness sec. cor.

79.75 Intersect the S. 1/4 of the township, 5 lks. S. of the cor. of secs. 19, 21, 23, and 30.

Thence:

N. 89°50' E., on true line, bet. secs. 19 and 30.

Over broken bench land, through scattered timber and scant undergrowth; descend along a N. slope.

11.50 Draw in bottom of Red Lake Canyon, drains N.; ascend along a NW. slope.

22.20 Right rim of Red Lake Canyon, sandstone ledge, 75 ft. high, bears N. and S.; continue across bench sloping N.

25.40 Small draw, drains N.

27.90 Sandstone ledge, 30 ft. high, facing W. and bearing NE. and SW.; ascend over broken and rocky N. slope.

32.60 Over a cross cut in solid rock.

Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, for the witness sec. cor., with brass cap marked

S19
— WC
S30

1929

From which

A juniper, 6 ins. in diam., bears N. 1° E., 122 lks. dist., marked WC & S19 BT.

A pinon, 3 ins. in diam., bears S. 30° W., 68 lks. dist., marked WC BT.

Continue along a bench sloping N.

32.85 True point for the sec. cor. falls upon steep sloping sandstone, where the cor. monument cannot be set.

Continue along a rocky N. slope.

Chains

- 45.80 Rocky draw, drains NW.; ascend along a rocky W. slope.
- 51.80 Right rim of Cyclone Canyon, sandstone ledge about 75 ft. high, bears NE. and SW.; descend abruptly.
- 61.00 Draw in bottom of canyon, drains SW.; ascend along a NW. slope over ledges.
- 68.50 Left rim of Cyclone Canyon, sandstone ledge about 100 ft. high bearing NE. and SW.; continue ascent along a NW. slope over barren sandstone outcrops.
- 79.85^v The cor. of secs. 19, 20, 29, and 30.

Land, rough and broken slopes of sandstone; general drainage NW.

Soil, shallow sand; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sagebrush and shadscale.

Poor grazing land.

GENERAL DESCRIPTION, T. 30 S., R. 19 E.

The land within the surveyed portion of T. 30 S., R. 19 E., Salt Lake Meridian, 17th. consists of bench land which is broken and cut by numerous sandstone spurs and outcrops, and vertical rims and breaks of deep loxed canyons. It is of a sandstone formation and has a general northerly and northwesterly exposure and drainage into the Colorado river.

The soil consists of a shallow loose sand with considerable surface rock, and may be classified as third and fourth rates.

The entire surveyed portion of the township, is covered with a scattered growth of scrub juniper and pinon timber, which has no commercial value.

The only water found was a small spring in the bottom of Squaw Wash, in the SW₄ sec. 29, a small stream in the bottom of a canyon in the NW₄ of sec. 35 and the SW₄ sec. 26, and a small spring located in the SE₄ SW₄ sec. 27.

A deep canyon known as Devil's Lane drains northerly through the west portion of the surveyed area, and from this canyon, a dirt trail bears in an easterly direction to Cave Spring, located in sec. 20 of T. 30 S., R. 20 E.

The township is suitable only for a grazing range for stock, and no portions of it could be farmed. No improvements were found, or surface indications of coal, oil, oil shale, or mineral.

The mean magnetic declination was found to be 16°00' E.,

CERTIFICATE OF SURVEYOR

I, Robert C. Yundt, Surveyor, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 27th day of August
received from the district cadastral engineer for Utah supplemental
instructions dated October 1, 1929, I have surveyed portions of the Sixth Standard
Parallel South, (south boundary of T. 30 S., R. 19 E.) and portion
of the subdivision, T. 30 S., R. 19 E.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and that
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes,
November 16, 1929,
Salt Lake City, Utah
Robert C. Yundt
Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

The foregoing field notes of the survey of Sixth Standard Parallel South
(south boundary of T. 30 S., R. 19 E.) and portion of the subdivision, T. 30 S.,
R. 19 E., of the Salt Lake Meridian, Utah.

executed by Robert C. Yundt, Surveyor,
under special instructions dated August 27, 1927, and assignment
instructions dated October 13, 1928, and supplemental assignment instructions dated, October 1, 1929,
having been critically examined, and
the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
therein described, are hereby approved.

Supervisor of Surveys

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes on file in the public survey office.

Supervisor of Surveys

CERTIFICATE OF SURVEYOR

I, Chas. F. Moore, U.S. Surveyor, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 27th day of August
received from the district cadastral engineer for Utah, with assign-
instructions dated October 13, 1928, I have surveyed portions of the Sixth Sta
Parallel South, (south boundary T. 30 S., R. 19 E.) and portions of
west boundary and subdivision, T. 30 S., R. 19 E.
of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and that
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Sur-
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.
April 15, 1939
Salt Lake City, Utah.

Charles F. Moore
U.S. Surveyor

CERTIFICATE OF APPROVAL

Office of Chief Cadastral Engineer,
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
Denver, Colorado, November 21, 19

The foregoing field notes of the survey of Sixth Standard Parallel South
(south boundary of T. 30 S., R. 19 E.) and portions of the west boundary and
and subdivision, T. 30 S., R. 19 E., of the Salt Lake Meridian, Utah
executed by Charles F. Moore, Surveyor, and Robert C. Yundt, Surveyor,
under special instructions dated August 27, 1927, and assign-
supplemental assignment instructions dated, October 1, 1929
instructions dated October 13, 1928 and / , having been critically examined,
the necessary corrections made prior to their certification by the engineer, the said field notes, and the sur-
therein described, are hereby approved.

[Signature]
Acting Chief Cadastral Engineer

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes on file in the public survey office.~~

~~Supervisor of Surveys~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF

THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 30 $\frac{1}{2}$ SOUTH, RANGE 16 EAST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Wm. E. Lane, Cadastrol Surveyor (Chief of Party)

Wig P. Sylvester, Cartographic Survey Aid

Wald A. Cannon, Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided

the surveys included under Group No. 600, approved April 4, 1956

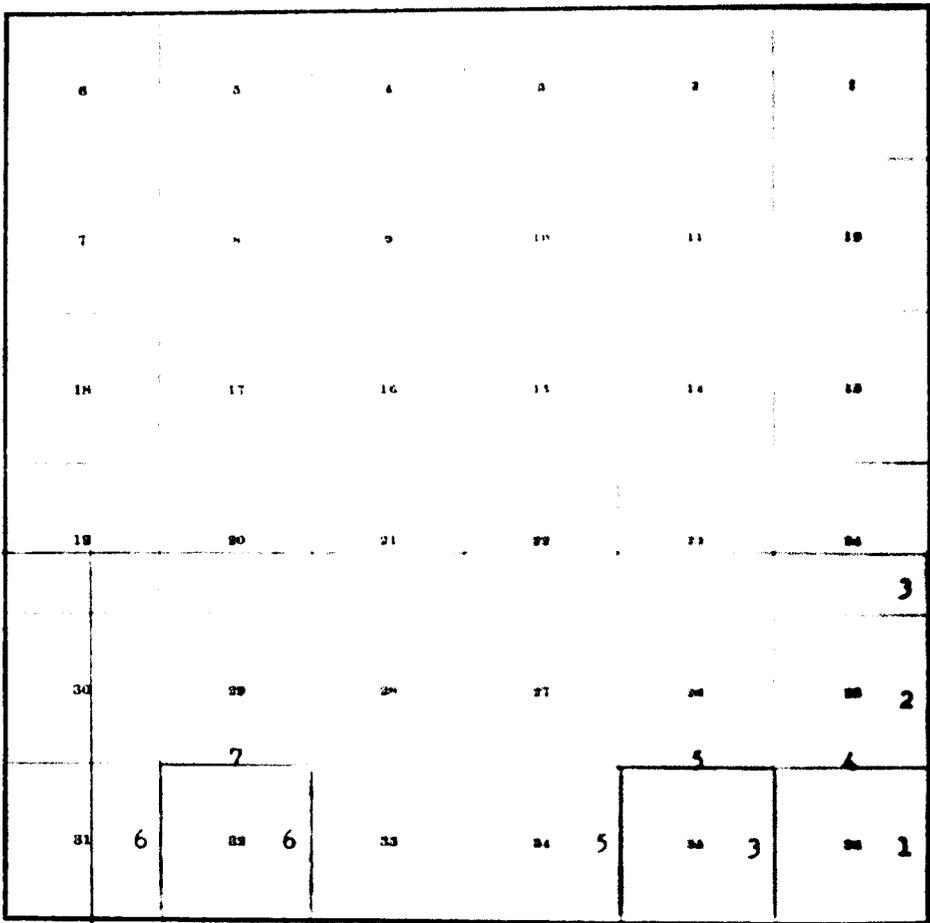
and assignment instructions dated April 24, 1956

Survey commenced Sept. 26, 1956

Survey completed Oct. 18, 1956

INDEX DIAGRAM

Township 30½ SOUTH , Range 10 EAST



Craig P. Sylvester . . . _____

Donald A. Cannon . . . _____

24214

Township 30 $\frac{1}{2}$ South, Range 16 East

Chains

The 6th Standard Parallel South, through Range 16 East, was surveyed by C. F. Moore in 1934. The south and west boundaries were surveyed concurrently with the survey of this township and are found in the field notes on the survey of Township 31 South, Range 16 East and Township 31 South, Range 15 East, respectively.

The following field notes are those of the east boundary and a portion of the subdivision deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with Buff and Buff solar transit number 26066 and Gurley solar transit number 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in good adjustment prior to the beginning of the field work and were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported, were determined by deflecting from meridians established by observations upon the sun and Polaris throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners, were run by the random and true line method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain, and thereafter at intervals of every ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angles determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses and triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude 38° 07' 09.9" N., longitude 110° 06' 05.7" W., as computed from U.S.G.S. triangulation station "Orange"; located in section 32, Township 32 South, Range 15 East.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' East.

East Boundary, T. 30 $\frac{1}{2}$ S., R. 16 E.

Beginning at the cor. of Ts. 30 $\frac{1}{2}$ and 31 S., Rs. 16 and 17 E.; monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, marked, and witnessed as described in the field notes of T. 31 S., R. 16 E.

North, bet. secs. 31 and 36.

Over rolling benchland, through scattered timber; desc. 90 ft. over NE. slope.

16.50 Bladed road, bears N. 70° W. and S. 70° E.; desc. 30 ft. over NE. slope.

East Boundary, T. 30 1/2 S., R. 16 E.

Chains

32.37

Point selected for the witness 1/4 sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked



32.40

Rim, a ledge about 40 ft. high, bears NE. and SW.; desc. 450 ft. over ledges on NW. slope.

40.00

True point for the 1/4 sec. cor. of secs. falls on face of small ledge, facing NW., where the cor. cannot be monumented.

46.80

Wash, 10 lks. wide, 2 ft. deep, course N. 20° E.; asc. 450 ft. over ledges on SE. slope.

77.80

Rim, a ledge about 30 ft. high, bears NE. and SW.

80.00

Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked



Land, rolling and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

North, bet. secs. 25 and 30.

Over rolling land, through scattered timber:

2.00

Bladed road, bears N. 30° E. and SW.

3.50

Ridge, bears NE. and SW.; desc. 40 ft. over NW. slope.

26.00

Rim, of East Fork Big Water Canyon, a ledge about 30 ft. high, bears NE. about 5 chs. thence SE., and SW. about 5 chs. thence NW.; desc. 310 ft. over NW. slope.

40.00

Point for the 1/4 sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked



Desc. 110 ft. over NW. slope.

East Boundary, T. 30 1/2 S., R. 16 E.

Chains

62.20

Wash, in bottom of East Fork Big Water Canyon, 30 lks. wide, .4 ft. deep, course N. 10° E. from SW.; thence along E. slope.

80.00

Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T30 1/2 S
R16 E R17 E
S24 | S19
S25 | S30
1956

Land, broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

North, bet. secs. 19 and 24.

Along rolling bottom of East Fork Big Water Canyon, through thinly scattered timber, asc. 80 ft. along E. slope.

19.25

Intersect the Sixth Standard Parallel South in Range 17 East, at the point for the closing cor. of Ts. 30 1/2 S., Rs. 16 and 17 E.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T30 S R17 E
S31
S24 | S19
C C
R16 E R17 E
T30 1/2 S
1956

From this closing cor., the standard 1/4 sec. cor. of sec. 31, bears East, 21.10 chs. dist.; monumented by an iron post, 1 in. diam., set, marked, and witnessed as described in the 1934 survey.

Land, rolling breaks of the East Fork of Big Water Canyon.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

Portion of the Subdivision, T. 30 1/2 S., R. 16 E.

From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp.; monumented by an iron post, 2 1/2 ins. diam., set, marked, and witnessed as described in the survey of T. 31 S., R. 16 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling E. slope in Flint Cove, through scattered timber; desc. 280 ft. abruptly over NE. slope.

21.40

Wash, 10 lks. wide, 3 ft. deep, course N. 30° E.

21.60

Bladed road, bears N. 80° E. and S. 80° W.; asc. 50 ft. over SE. slope.

Portion of the Subdivision, T. 30 $\frac{1}{2}$ S., R. 16 E.

Chains

32.00 Spur, slopes NE.; desc. 30 ft. over low spurs and minor drains putting E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap markedT30 $\frac{1}{2}$ S R16E
$$\begin{array}{c} \uparrow \\ S35 | S36 \\ 1956 \end{array}$$

Asc. 60 ft. over a series of low spurs and minor drains putting E.

80.00 Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top, with brass cap markedT30 $\frac{1}{2}$ S R16E
$$\begin{array}{c} S26 | S25 \\ S35 | S36 \\ 1956 \end{array}$$

Land, breaks of Flint Cove.

Soil, shallow sand and exposed shale and sandstone.

Timber, scattered juniper and pinon.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp. West, bet. secs. 25 and 36.

Over rolling benchland, through scattered timber.

5.00 Bladed road, bears NE. and SW.; asc. 10 ft. over slight SE. slope.

12.60 Ridge, bears NE. and S. 10° W.; desc. 70 ft. over NW. slope.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, 2 ft. base, to top, with brass cap markedT30 $\frac{1}{2}$ S R16E
$$\begin{array}{c} \frac{1}{4} \frac{S25}{S36} \\ 1956 \end{array}$$

Desc. 10 ft. over slight W. slope.

45.40 Rim of East Fork Big Water Canyon, a ledge about 30 ft. high, bears N. 10° E. and S. 10° W.; desc. 250 ft. over W. slope.

54.20 Wash, in bottom of East Fork Big Water Canyon, 20 lks. wide, 2 ft. deep, course N. 20° E.; asc. 250 ft. over E. slope.

64.00 Rim of East Fork Big Water Canyon, a ledge about 40 ft. high, bears N. 10° E. and S.; asc. 70 ft. over rolling E. slope.

80.02 The cor. of secs. 25, 26, 35, and 36.

Land, rolling and broken benchland.

Soil, shallow sand and exposed sandstone and shale.

Timber, scattered juniper and pinon.

Portion of the Subdivision, T₃₀S, R. 16 E.

Chains	
	<p>From the true point for the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp., witnessed West, 7.77 chs. dist. by an iron post, 2½ ins. diam., set, marked, and witnessed as described in the field notes of T. 31 S., R. 16 E.</p>
	<p>N. 0° 01' W., bet. secs. 34 and 35. Over cliff about 500 ft. high, facing S., through scattered timber.</p>
5.00	<p>N. rim of South Fork Happy Canyon, bears N. 70° W. about 6 chs. thence N. sec. 30 ft. along rolling W. slope.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 34 and 35.</p>
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap marked</p>
	<p>T₃₀S R16E</p>
	<p>S34 S35</p>
	<p>1956</p>
	<p>No suitable accessories available.</p>
48.50	<p>Top of ascent, slopes S. 70° W.; desc. 110 ft. over NW. slope.</p>
77.80	<p>Wash, 20 lks. wide, 3 ft. deep, course N. 80° W.; asc. 20 ft. over SW. slope.</p>
80.00	<p>Point for the cor. of secs. 26, 27, 34, and 35.</p>
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked</p>
	<p>T₃₀S R16E</p>
	<p>S27 S26</p>
	<p>S34 S35</p>
	<p>1956</p>
	<p>Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered to medium dense juniper and pinon.</p>
	<p>From the cor. of secs. 25, 26, 35, and 36.</p>
	<p>S. 89° 50' W., bet. secs. 26 and 35.</p>
	<p>Over rough and broken breaks of Flint Cove, through scattered juniper and pinon; asc. 800 ft. over steep talus slope and high sandstone cliff facing E.</p>
24.90	<p>Rim of cliff, bears N. 30° E. and S. irregularly; asc. 20 ft. over E. slope on top of mesa.</p>
25.80	<p>Ridge, bears N. 30° E. and S. irregularly; desc. 40 ft. over rolling W. slope.</p>
40.01	<p>Point for the ¼ sec. cor. of secs. 26 and 35.</p>
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked</p>
	<p>T₃₀S R16E</p>
	<p>¼ S26</p>
	<p>S35</p>
	<p>1956</p>

Portion of the Subdivision, T. 30 S., R. 16 E.

Chains

61.90

Desc. 30 ft. over rolling W. slope.
Bladed road, Temple Mountain Junction to North Hatch Canyon, bears N. 20° W. and S. 20° E.; desc. 40 ft. over SW. slope.

80.02

The cor. of secs. 26, 27, 34, and 35.
Land, rolling and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered to medium dense juniper and pine.

40.00

From the cor. of secs. 4, 5, 32, and 33, on the S. bay of the Tp.; monumented by an iron post, 2 1/2 ins. diam., firmly set, marked and witnessed as described in the field notes of T. 31 S., R. 16 E.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling benchland, in the bottom of the South Fork Happy Canyon, through scattered timber; desc. 10 ft. over series of low spurs and minor drains putting westerly.

Point for the 1/4 sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground to bedrock and in a mound of stone, 2 ft. base, to top, with brass cap marked

T30S R16E

S32|S33

1956

Desc. 10 ft. over rolling W. slope.

66.30

Wash, 20 lks. wide, 3 ft. deep, course W. about 2 chs. thence S.; asc. 20 ft. over S. slope.

69.80

Bladed road, bears S. 30° E. and S. 20° W.; asc. 220 ft. over steep S. slope.

80.00

Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T30S R16E

S29|S28

S32|S33

1956

Land, rolling benchland in South Fork Happy Canyon.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

From the cor. of secs. 5, 6, 31, and 32, on the S. bay of the Tp.; monumented by an iron post, 2 1/2 ins. diam., firmly set, marked and witnessed as described in the field notes of the survey of T. 31 S., R. 16 E.

Portion of the Subdivision, T. 30 $\frac{1}{2}$ S., R. 16 E.

- Chains
- W. 0° 05' W.; bet. secs. 31 and 32.
- 03.00 Over broken W. wall of small box canyon draining N., through scattered timber; desc. 130 ft. abruptly over NE. slope.
- 12.30 Wash, in bottom of canyon, 20 lks. wide, 3 ft. deep, course NW.; asc. 50 ft. over SW. slope on E. wall of canyon.
- 19.50 Top of ascent on E. wall of canyon, slopes W.; desc. 60 ft. over NW. slope.
- 27.50 Enter same wash, course N. from SW.; desc. 30 ft. along wash.
- 33.20 Leave wash, course N. 20° W.; asc. 30 ft. along SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top, with brass cap marked

T30 $\frac{1}{2}$ S R16E

S31|S32
1956

Asc. 10 ft. over SW. slope.

- 41.90 Top of ascent on E. wall of canyon, slopes W.; desc. 50 ft. over NW. slope.
- 47.50 Same wash, course N. 10° E. about 7 chs. to junction with wash in bottom of South Fork Happy Canyon; asc. 20 ft. along SE. slope.
- 51.70 Top of ascent, slopes NE. about 2 chs. to end; desc. 30 ft. over NE. slope.
- 56.40 Wash, in bottom of South Fork Happy Canyon, 30 lks. wide, 3 ft. deep, course N. 20° W.; asc. 150 ft. along W. slope.
- 80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 2 $\frac{1}{2}$ ft. base, to top, with brass cap marked

T30 $\frac{1}{2}$ S R16E

S30|S29
S31|S32
1956

Cor. is located on inner wall of South Fork Happy Canyon.

Lead, broken bottom of South Fork Happy Canyon.

Soil, shallow sand and exposed shale.

Timber, scattered juniper and piñon.

From the cor. of secs. 28, 29, 32, and 33.

West, bet. secs. 29 and 32.

Note: the E. 20 chs. of the line bet. secs. 29 and 32 is inaccessible and was run by traverse; topography was scaled from U.S.G.S. topographic maps.

Chains

Asc. about 250 ft. over steep talus slope and cliff facing S.

14.00 Approximate top of ascent on cliff facing S.; desc. about 400 ft. along cliff and steep talus SW. slope.

25.00 Base of steep ascent and end of traverse, bears NW. and SE.; desc. 40 ft. over rolling S. slope.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top, with brass cap marked

T30 $\frac{1}{2}$ S R16E

$\frac{1}{4}$ $\frac{S29}{S32}$
1956

Desc. 80 ft. over rolling SW. slope.

58.50 Bladed road, bears NW. and SE.; desc. 70 ft. over rolling SW. slope.

77.30 Rim of inner canyon South Fork Happy Canyon, a ledge about 30 ft. high, bears N. 10° E. and S. 10° E.; desc. 100 ft. over ledge and abrupt talus on W. slope.

79.98 The cor. of secs. 29, 30, 31, and 32.

Land, rolling and broken breaks of the South Fork Happy Canyon. Soil, shallow sand and exposed sandstone and shale. Timber, scattered juniper and pinon.

General Description

The land in township 30 $\frac{1}{2}$ south, range 16 east is high sandstone mesaland, cut by the South Fork Happy Canyon in the west portion, which drains northwest; and by Flint Cove in the east, which drains north into the East Fork Big Water Canyon.

An unimproved road, enters the township on the north boundary of section 26, bearing northerly toward Temple Mountain Junction and southerly toward North Hatch Canyon, leaving on the south boundary of section 35.

The vegetation is medium dense juniper and pinon and a fair growth of bunch grass on the mesa top, and scattered juniper and pinon, and a sparse growth of under growth in the canyon bottoms.

There are no permanent settlements found in the township, and the land is used for a limited amount of stock grazing. There are a number of Uranium claims in the township, but all were inactive at the time of this survey.

There is an airstrip, about 1650 ft. long, located in section 35 and it was being used by light aircraft at the time of the survey.

Flint Spring is near the northwest corner of section 35.

CERTIFICATE OF CADASTRAL ENGINEER

Craig P. Sylvester, Cartographic Survey Aid
We, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 17th day of March 1957

We have surveyed the East Boundary and a portion of the subdivisional lines in Township 30 1/2 South, Range 16 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by us and under our direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
March 4, 1957

Craig P. Sylvester
Craig P. Sylvester, Cartographic Survey Aid
Donald A. Cannon
Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, _____, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 17th day of March, 1957

I have supervised the survey of the East Boundary and a portion of the subdivisional lines in Township 30 1/2 South, Range 16 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed under my supervision; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
March, 4, 1957

Vern E. Lane
Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of the East Boundary and a portion of the subdivisional lines in Township 30 1/2 South, Range 16 East.

executed by Craig P. Sylvester and Donald A. Cannon, under the supervision of Vern E. Lane, having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____ is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

A PORTION OF THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 30½ SOUTH, RANGE 17 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Donald A. Cannon - Cartographic Survey Aid

under special instructions dated October 12, 1954, which provided

the surveys included under Group No. 403, approved November 22, 1954

and assignment instructions dated April 22, 1957

Survey commenced May 23, 1957

Survey completed June 19, 1957

INDEX DIAGRAM

Township 30½ South, Range 17 East

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242

Township 30½ South, Range 17 East

Chains

The west boundary of the township was surveyed by D. A. Cannon and its record appears in the field notes of the 1956 survey of T. 30½ S., R. 16 E. The south boundary was concurrently surveyed under Group 403 and its record appears in the field notes of the survey of T. 31 S., R. 17 E. The north boundary was surveyed by Yundt and Moore and its record appears in the official record of the 1928 survey of the Sixth Standard Parallel South, T. 30 S., R. 17 E.

The following field notes are those of a portion of the east boundary and a portion of the subdivision of T. 30½ S., R. 17 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

This survey was executed with a W. and L. E. Gurley transit No. 541331, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; the field notes show the horizontal equivalents only. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by triangulation or traverse methods. The details of such triangulation or traverse have been checked and verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The direction of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation, and supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the SE. cor. of T. 30½ S., R. 17 E. is at latitude 38° 07' 09" N. and longitude 109° 59' 32" W., as determined from U.S.G.S. triangulation station "End" which is situated in the SE. portion of sec. 24, T. 31 S., R. 17 E.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 15° E.

Portion of the East Boundary, T. 30½ S., R. 17 E.

Beginning at the cor. of Ts. 30½ and 31 S., Rs. 17 and 18 E., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 31 S., R. 17 E.

North, bet. secs. 31 and 36.

Portion of the East Boundary, T. 30½ S., R. 17 E.

Chains

Over rolling land, through thinly scattered scrub timber.

- 0.70 Spur, slopes S. 70° W.; desc. 50 ft. over NW. slope.
- 13.10 Wash, 50 lks. wide, 20 ft. deep, drains W.; asc. 150 ft. over S. slope.
- 23.00 Top of E. edge of knoll on spur, projecting W.; desc. 110 ft. over N. slope.
- 36.20 Wash, 30 lks. wide, 4 ft. deep, drains N. 20° W.
- 40.00 Point for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.

T30½S
R17E R18E
¼
S36|S31
1957

Asc. 80 ft. over series of low spurs and minor drains, putting to the W.

- 68.20 Base of abrupt ascent, bears NW. and SE.; asc. 160 ft. over ledges on SW. slope.
- 77.00 Top of sandstone spire on spur, sloping NW.; desc. 160 ft. over ledges on NE. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S
R17E R18E
S25|S30
S36|S31
1957

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, thinly scattered scrub juniper and pinion.

North, bet. secs. 25 and 30.

- Through scattered scrub timber; desc. 40 ft. over NE. slope.
- 5.40 Base of abrupt descent, bears NW. and SE.; desc. 50 ft. over NE. slope.
- 26.50 Wash, 20 lks. wide, 4 ft. deep, drains NW.; desc. 10 ft. along W. slope.
- 31.60 Wash, 10 lks. wide, 2 ft. deep, drains N. 70° W. from N. 80° E.; asc. 30 ft. over S. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Portion of the East Boundary, T. 30½ S., R. 17 E.

Chains

T30½S

R17E R18E

$$\frac{1}{4}$$

$$\frac{S25}{S30}$$
 1957

Asc, 300 ft. over ledges facing SE.

53.00 High sandstone spur, projects S. 60° W.; desc. 350 ft. over series of high rocky spurs and minor drains putting to the west.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T30½S

R17E R18E

$$\frac{S24}{S19}$$

$$\frac{S25}{S30}$$
 1957

Survey discontinued at this corner.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered scrub juniper and pinion.

Portion of the Subdivision, T. 30½ S., R. 17 E.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township, an iron post, set, mkd. and witnessed as described in the field notes of the survey of T. 31 S., R. 17 E.

N. 0° 01' W., bet. secs. 35 and 36.

Through scattered timber; desc. 180 ft. over NW. slope.

15.60 Wash, 20 lks. wide, 2 ft. deep, drains S. 80° W.; asc. 240 ft. over ledges on SW. slope.

36.10 Spur, slopes W.; desc. 120 ft. over ledges on N. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S R17E

$$\frac{1}{4}$$

$$\frac{S35}{S36}$$
 1957

Desc. 60 ft. over N. slope.

55.10 Wash, 20 lks. wide, 3 ft. deep, drains NW. about 10 chs. to junction with wash from the E.; asc. 80 ft. over SW. slope.

56.00 Spur, slopes W. about 6 chs. to end; desc. 70 ft. over NW. slope.

61.80 Wash, 30 lks. wide, 4 ft. deep, drains SW.; asc. 120 ft. over SE. slope.

Portion of the Subdivision, T. 30 1/2 S., R. 17 E.

CHAINS

Chains

74.50	Spur, slopes sharply SW.; desc. 70 ft. over NW. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.
	T30 1/2 S R17 E S26 S25 S35 S36 1957
	Land, rolling and broken. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the township. N. 89° 57' W., bet. secs. 25 and 36.
	Through scattered juniper and pinion; asc. 200 ft. over ledges on NE. slope.
5.50	Top of high sandstone spire, on a spur, sloping N. 60° W.; desc. abruptly 260 ft. over high ledges on SW. slope.
11.50	Base of abrupt descent, bears N. 60° W. and S. 60° E.; desc. 110 ft. over W. slope.
40.04	Point for the 1/4 sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.
	T30 1/2 S R17 E S25 S36 1957
	Desc. 40 ft. over W. slope.
55.90	Wash, 20 lks. wide, 10 ft. deep, drains SW.; asc. 40 ft. over SE. slope.
73.90	Spur, projects SW.; desc. 40 ft. over NW. slope.
80.08	The cor. of secs. 25, 26, 35 and 36. Land, rolling. Soil, sand and exposed sandstone. Timber, thinly scattered juniper and pinion.
	From the cor. of secs. 32, 33 and 34 on the S. bdy. of the township. N. 0° 03' W., bet. secs. 32 and 33.
	Through medium dense timber; desc. 180 ft. over ledges on N. slope.
15.80	Wash, drains NE.; asc. 180 ft. over ledges on S. slope.

Position of the Subdivision, T. 30 1/2 S., R. 17 E.

Chains

- 32.30 Spur, slopes E., desc. 40 ft. over N. slope.
- 40.00 Point for the 1/4 sec. cor. of secs. 32 and 33.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, and in a mound of stone, 2 1/2 ft. base to top, with brass cap mkd.
T30 1/2 S R17 E
S32 | S33
1957
Desc. 100 ft. over broken ledges on NE. slope.
- 76.50 Wash, 50 lks. wide, 4 ft. deep, drains SE. from S. 70° W.; asc. 60 ft. over broken ledges on S. slope.
- 89.00 Point for the cor. of secs. 28, 29, 32 and 33.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top; with brass cap mkd.
T30 1/2 S R17 E
S29 | S28
S32 | S33
1957
Land, rolling and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered to medium dense juniper and pinion.

- From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the township.
N. 0° 03' W., bet. secs. 31 and 32.
Through scattered timber, desc. 150 ft. over NW. slope.
- 40.00 True point for the 1/4 sec. cor. of secs. 31 and 32 falls in bottom of wash, 10 lks. wide, 2 ft. deep, drains NE. where the cor. cannot be perpetuated.
- 42.10 Point selected for the witness 1/4 sec. cor. of secs. 31 and 32.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.
T30 1/2 S R17 E
S31 | S32
W C
1957
Desc. 10 ft. along E. slope.
- 88.00 Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 50 ft. over rolling SE. slope.
- 80.00 Point for the cor. of secs. 29, 30, 31 and 32.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Chains

T30 $\frac{1}{2}$ S R17E
 S30|S29
 S31|S32
 1957

Land, rolling.
 Soil, sand and exposed sandstone.
 Timber, scattered juniper and pinion.

From the cor. of secs. 28, 29, 32 and 33.

N. 89° 57' W., bet. secs. 29 and 32.

Through scattered timber; asc. 50 ft. over S. slope.

31.20 Wash, 10 lks. wide, 3 ft. deep, drains SE.; asc. 50 ft. over rolling SE. slope.

39.94 Point for the $\frac{1}{2}$ sec. cor. of secs. 29 and 32,

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a small mound of stone, to top, with brass cap mkd.

T30 $\frac{1}{2}$ S R17E
 $\frac{1}{2}$ S29
 S32
 1957

Asc. 70 ft. over rolling SE. slope.

71.00 Top of ascent, slopes SE.; desc. 20 ft. along S. slope.

79.88 The cor. of secs. 29, 30, 31 and 32.

Land, rolling.
 Soil, shallow sand and exposed sandstone.
 Timber, scattered juniper and pinion.

GENERAL DESCRIPTION

The land of T. 30 $\frac{1}{2}$ S., R. 17 E. ranges from broken in the east portion of the township to rolling in the west portion. The elevation ranges from 5000 ft. above sea level along the wash bottoms to 6040 ft. along the north boundary, in the vicinity of sec. 21. The main drainage of the township is south.

The soil of the township is for the most part residual sandy silt, with exposed sandstone. The vegetation consists of scattered scrub pinion and juniper.

There were no permanent sources of water encountered during this survey.

The land of the township is utilized for the grazing of cattle.

CERTIFICATE OF CADASTRAL ENGINEER

82

I, Donald A. Cannon, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 12th day of October, 1954

I have surveyed a portion of the east boundary and a portion of the subdivision of Township 30 1/2 South, Range 17 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

December 11, 1957
Salt Lake City, Utah

Donald A. Cannon
Donald A. Cannon - Cartographic Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____
executed by _____
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor in pursuance of special instructions bearing date of the 12th day of October 1954 I have supervised the survey of a portion of the east boundary and a portion of the subdivision of Township 30 1/2 South, Range 17 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed under my supervision; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

December 11, 1957

Salt Lake City, Utah

[Handwritten signature of Vern E. Lane]

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 13 1958, 19

The foregoing field notes of the survey of a portion of the east boundary and a portion of the subdivision of Township 30 1/2 South, Range 17 East, Salt Lake Meridian

executed by Donald A. Cannon, under the supervision of Vern E. Lane

having been critically examined and found correct, are hereby approved.

[Handwritten signature of Earl G. Harrington]
Earl G. Harrington
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

A PORTION OF THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 30½ SOUTH, RANGE 18 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Fred R. Chappell - Cadastral Surveyor

under special instructions dated October 12, 1954, which provided

the surveys included under Group No. 403, approved November 22, 1954

and assignment instructions dated April 22, 1957

Survey commenced May 24, 1957

Survey completed June 19, 1957

INDEX DIAGRAM

Township 30½ South, Range 18 East

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5					3
31 4	32	33	34	35	2 36 1

16-35770-1

221

Township 30½ South, Range 18 East

Chains

A portion of the west boundary was surveyed concurrently by Donald A. Cannon. A portion of the north boundary, Sixth Standard Parallel South, was surveyed by C. F. Moore in 1934. A portion of the east boundary was surveyed by C. F. Moore and R. C. Yundt in 1939, and is found in the field notes of the survey of T. 30 S., R. 19 E. The south boundary was surveyed concurrently by Fred R. Chappell.

The following field notes are those of the survey of a portion of the east boundary and a portion of the subdivisional lines of T. 30½ S., R. 18 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with a Buff & Buff solar transit, serial No. 26066, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

The direction of all lines being reported are determined by deflection from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

The measurements were made with a steel tape, 8 chains in length. This tape was graduated every link for the first chain and thereafter at intervals of 10 links. The tapes were tested by comparison with a standard steel tape, 1 ch. in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by use of clinometers, and the slope distances properly reduced to horizontal equivalents. All lines of this survey were run by direct methods where the lines were accessible; inaccessible lines were run by traverse or by triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude 38° 07' 09.6" N. and longitude 109° 52' 54.6" W., as adjusted from section line ties to U.S.G.S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township, and the average of the several readings was found to be 15° 00' E.

Portion of the East Boundary, T. 30½ S., R. 18 E.

Beginning at the cor. of Ts. 30½ and 31 S., Rs. 18 and 19 E., monumented with an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 31 S., R. 18 E.

North, bet. secs. 31 and 36.

Over broken desert land, through scattered timber and scant undergrowth.

0.30

Sandy wash, drains E.; asc. 30 ft.

Portion of the East Boundary, T. 30½ S., R. 18 E.

Chains	
4.00	Spur, projects E. about 1.50 chs. to end; desc. 40 ft.
6.00	Wash in bottom of Chesler Canyon, drains N. 80° W.; asc. 280 ft. over a series of sandstone spires, ribs, knobs and crevices, putting to the S.
30.20	S. rim of rocky draw, bears S. 80° E. and N. 80° W.; desc. 100 ft.
32.00	Rocky draw, drains N. 80° W.; asc. 130 ft.
36.00	N. rim of draw, bears N. 80° W. and S. 80° E.; thence over a series of sandstone ribs, spires, knobs and crevices.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36. In a small rincon facing to the W. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd. T30½S R18E R19E ¼ S36 S31 1957
41.88	Intersect the Sixth Standard Parallel South, 8.70 chs. W. of the standard ¼ sec. cor. of sec. 31, a 1 in. iron post, conforming to the record. Point for the closing township cor. of Ts. 30 and 30½ S., Rs. 18 and 19 E. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. T30S R19E S31 S36 S31 C C T30½S R18E R19E 1957 Land, broken desert. Soil, the greater part sandstone ribs, knobs and spires; sandy clay the balance. Timber, widely scattered dwarf juniper and pinion. Undergrowth, scattered black brush, bitter brush, service berry and grass.
Portion of the Subdivision, T. 30½ S., R. 18 E.	
6.10	Beginning at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township, a 2½ in. iron post, conforming to the record. N. 0° 01' W., bet. secs. 35 and 36. Over broken desert land, through scattered patches of timber and medium undergrowth, along a broken E. sandstone slope. Sandstone spur, projects N. 20° E.; desc. 340 ft. over a broken NW. slope.

Section of the Sand Division, T. 30 $\frac{1}{2}$ S., R. 18 E.

Chains

- 24.00 Enter sandy bottom land of Upper Red Lake, thence over nearly level bottom land.
- 39.00 Leave bottom land, enter sandstone boulders.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T30 $\frac{1}{2}$ S R18E
S35|S36
1957
- Deposit a sandstone, 5x5x3 ins., mkd. with a cross (X) at the base of the post.
- Asc. 160 ft. over a broken SE. slope.
- 46.00 Sandstone spur, projects N. 30° E.; desc. 370 ft. over a broken NW. slope.
- 56.00 Enter nearly level bottom land of Lower Red Lake.
- 64.50 Wash, drains NE.
- 67.50 Wash, drains NE.
- 76.30 Wash, drains SE.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mkd.
- T30 $\frac{1}{2}$ S R18E
S26|S25
S35|S36
1957
- Land, broken desert.
Soil, sandy clay with numerous sandstone ribs, spurs and exposed sandstone.
Timber, scattered patches of medium juniper and pinion.
Undergrowth, medium black brush, bitter brush, greasewood, service berry, squaw berry, mountain rush and grass.
-
- N. 89° 57' E., bet. secs. 25 and 36.
- Over broken desert land in bottom of Red Lake Canyon, through scattered timber and medium undergrowth.
- Desc. 40 ft.
- 11.00 Shallow sandy wash, drains N., thence over nearly level bottom land of Butler Canyon.
- 20.00 Leave bottom land, wash drains NE. from S.; asc. 420 ft. over a broken W. slope.
- 34.00 Spur, projects S., thence over a series of sandstone knobs.
- 39.80 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 36.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mkd.

90

Chains

T30½S R18E

½ S25 WC
S36

1957

40.00 True point for the ¼ sec. cor. of secs. 25 and 36 falls on the steep slopes of a sandstone ledge facing E., where the cor. cannot be perpetuated; desc. 130 ft. over broken E. slope.

48.70 Intersect the W. bdy. of T. 30 S., R. 19 E., 1.87 chs. S. of the ¼ sec. cor. of secs. 31 and 36, mkd. by a 1 in. iron post, conforming to the record.

As this cor. now refers to sec. 31 only, I remove the marks referring to sec. 36.

At the point of intersection

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T30½S T30S

R18E R19E

CC S25 | S31
S36

1957

Deposit a sandstone, 8x5x3 ins., mkd. with a cross (X) at the base of the post.

Set a juniper post, 6 ins. diam., 5 ft. long, above ground, 1 ik. S. of the iron post.

Land, broken desert.

Soil, sandy clay with numerous sandstone ribs, spurs and exposed sandstone.

Timber, scattered patches of medium juniper and pinion.

Undergrowth, medium black brush, bitter brush, greasewood, service berry, squaw berry, mountain rush and grass.

Beginning at the true point for the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the township.

N. 0° 03' W., bet. secs. 31 and 32.

Over badly broken desert land, through widely scattered timber and scant undergrowth; asc. 280 ft. over broken S. slope.

10.30 Rim of ledges; bears E. and W.

12.30 Sandstone spur, projects S. 60° W.

12.40 The witness cor. of secs. 5, 6, 31 and 32, monumented with an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 31 S., R. 18 E.; desc. 50 ft. over NW. slope.

36.00 Wash, drains S. 75° W.; asc. 210 ft. over broken S. slope.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32 falls on a sandstone boulder, where the cor. cannot be perpetuated.

40.20 Rim of sandstone, bears E. and W.

42.00 Point for the witness ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

BASE OF SECTION OF THE SUBDIVISION, T. 30½ S., R. 18 E.

Chains	
80.00	<p>T30½ S R18E</p> <p>S31 S32</p> <p>1957</p> <p>Deposit of sandstone, 5x2 ins., mkd. with a cross (X) at the base of the post.</p> <p>Asc. 50 ft. over rolling land sloping to the E.</p> <p>Sandstone spur, projects E.; desc. 20 ft. along gentle E. slope.</p> <p>Point for the cor. of secs. 29, 30, 31 and 32.</p>
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p>T30½ S R18E</p> <p>S30 S29</p> <p>S31 S32</p> <p>1957</p> <p>Deposit charcoal at the base of the post.</p> <p>Land, badly broken the first ½ mile, rolling the balance.</p> <p>Soil, sandy loam and exposed sandstone and boulders.</p> <p>Timber, widely scattered dwarf juniper and pinion.</p> <p>Undergrowth, scant black brush, bitter brush, mountain rush and grass the first ½ mile, medium dense the balance.</p>
	<p>N. 89° 57' W., bet. secs. 30 and 31.</p> <p>Over rolling desert land, through widely scattered timber and medium dense undergrowth.</p> <p>Asc. 60 ft. over a gentle E. slope.</p>
21.90	Sandy spur, projects N.
28.00	Leave sandy land, enter sandstone knobs.
40.00	<p>Point for the ¼ sec. cor. of secs. 30 and 31.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p>
	<p>T30½ S R18E</p> <p>¼ S30</p> <p>S31</p> <p>1957</p> <p>Deposit a sandstone, 4x3x2 ins., mkd. with a cross (X) at the base of the post.</p>
55.00	Leave sandstone knobs, enter rolling land.
64.00	Sandy swale, drains N.; asc. 85 ft. along broken N. slope changing to NW.
81.39	<p>The cor. of secs. 25, 30, 31 and 36, an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 30½ S., R. 17 E.</p> <p>Land, rolling, with sandstone ribs, knobs and crevices.</p> <p>Soil, sandy loam, with exposed sandstone.</p> <p>Timber, widely scattered juniper and pinion.</p> <p>Undergrowth, medium dense black brush, grass and weeds.</p>

Chains

v and O

T. 30½ S., R. 18 E. is a rugged land, containing many fascinating physiographic features. Cataract Canyon of the Colorado River drains southwesterly through the center of the township. On the east side of the river there is much evidence of faulting, this evidence is graphically shown by the series of grabens and horsts whose major axes bear generally N. 30° E. and S. 30° W. The grabens, in most cases, take the form of interior drainage basins with their associated playas. Visual evidence of the folding and faulting which has occurred is also shown on the walls of Cataract Canyon. West of the river the land is rolling and broken and nearly barren sandstone. Tall monolithic sandstone spires are found throughout the township. Elevations vary from 3850 ft. above sea level in the bottom of Cataract Canyon to about 5640 ft. on a butte in sec. 31.

Scattered stands of scrub pinion and juniper cover most of the township. Undergrowth consists of sagebrush, black brush, mountain rush, bitter brush, grasses, weeds and cacti.

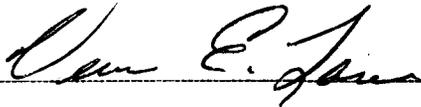
There are no roads within the township. The nearest road, a treacherous jeep trail in Devils Lane, passes near the southeast corner of the township.

Thus, because of the difficult terrain and lack of access, this township is extremely isolated and remote. However, there is some evidence of past uranium prospecting activities within the township.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor and
 pursuance of special instructions bearing date of the 12th day of October
 I have ~~personally~~ supervised the survey of a portion of the east boundary and a portion
 of the subdivisional lines of Township 30½ South, Range 18 East
 of the Salt Lake Meridian, in the State of Utah, which are
 represented in the foregoing field notes as having been executed ~~by me and under my direction~~ ^{under my supervision}; and that
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

June 30, 1958
Salt Lake City, Utah

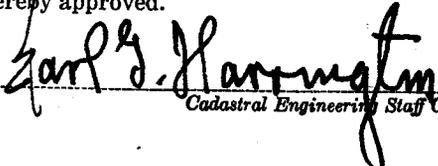

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
 Washington, D. C., OCT 13 1958, 19

The foregoing field notes of the survey of a portion of the east boundary and a portion
of the subdivisional lines of Township 30½ South, Range 18 East, Salt Lake Meridian,
Utah

executed by Fred R. Chappell, under the supervision of Vern E. Lane
 having been critically examined and found correct, are hereby approved.


Carl G. Harrington
 Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in~~
~~is a true copy of the original field notes.~~

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 30½ SOUTH, RANGE 19 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Dell Cazier - Cadastral Surveyor

C. P. Sylvester - Cartographic Survey Aid

Under special instructions dated October 12, 1954, which provided

the surveys included under Group No. 403, approved November 22, 1957

assignment instructions dated April 22, 1957

Survey commenced June 24, 1957

Survey completed June 24, 1957

INDEX DIAGRAM

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30	29	28	27	26	25
31	32	33	34	35	36

Dell Cazier _____

C. P. Sylvester _____

16-56770-1

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Township 30½ South, Range 19 East

Chains

The north boundary of the township was surveyed by R. C. Yundt and C. F. Moore in 1928. The west and south boundaries were concurrently surveyed under Group 403. The west boundary was surveyed by Fred R. Chappell and its record appears in the field notes of the survey of T. 30½ S., R. 18 E. The south boundary was surveyed by Dell Cazier and C. P. Sylvester and its record appears in the field notes of the survey of T. 31 S., R. 19 E.

The following field notes are those of the survey of the east boundary and a portion of the subdivision of T. 30½ S., R. 19 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

This survey was executed with a W. and L. E. Gurley transit, No. 541326 and a Buff and Buff transit, No. 26066, both constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; the field notes show the horizontal equivalents only. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by triangulation or traverse methods. The details of such triangulation or traverse have been thoroughly checked and verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The direction of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation and supplemented by other numerous observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of T. 30½ S., R. 19 E. is at latitude 38° 07' 09" N. and longitude 109° 46' 20" W., as determined by traverse from U.S.G.S. triangulation station "House" which is situated in sec. 1, T. 32 S., R. 18 E.

The magnetic declination was read at a number of stations throughout the township, and the average of these readings was found to be 15° E.

East Boundary of T. 30½ S., R. 19 E.

Beginning at the true point for the cor. of Ts. 30½ and 31 S., Rs. 19 and 20 E., which bears S. 89° 58' W., 1.96 chs. from its witness point, which is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of the N. bdy. of T. 31 S., R. 20 E.

North, bet. secs. 31 and 36.

East Boundary of T. 30½ S., R. 19 E.

Chains

- Desc. over NW. slope on W. side of spur sloping N.
 12.00 End of spur, over sandy stream valley.
 18.00 Across E. side of small rise; asc. and desc. 40 ft.
 21.20 Wash, drains N. from SW.
 27.50 Leave wash, draining NE. from S.; asc. 80 ft. over SE. slope.
 31.00 Spur, projects ENE.; desc. 80 ft. over N. slope.
 36.00 Same wash, drains N. from SE.
 38.00 Same wash, drains NE. from S.; desc. 40 ft. over SE. slope.
 40.00 Point for the ¼ sec. cor. of secs. 31 and 36.
 Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid bedrock, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S
 R19E R20E
 ¼
 S36|S31
 1957

Asc. 60 ft. over nearly vertical SE. facing ledge.

- 41.67 Intersect the Sixth Standard Parallel, on face of nearly vertical ledge, where it is impractical to set the corner.

E. 1.60 chs., point selected for the witness closing cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T30S R20E
 W S31
 C C|C
 S36|S31
 T30½S
 R19E R20E
 1957

from which

The point for the standard ¼ sec. cor. of sec. 31 bears E., 10.07 chs., or 11.67 chs. from the true point, and is mkd. by an iron post, 1 in. diam., 4 ins. above ground, with brass cap mkd.

S C
 ¼ S31
 1928

Land, broken.

Soil, sandy with exposed sandstone.

Timber, scattered juniper and pinion.

Undergrowth, scattered artemesia.

Portion of the Subdivision, T. 30½ S., R. 19 E.

Chains

Beginning at the cor. of secs. 1, 2, 35 and 36 on the S. bdy., which is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of the N. bdy. of T. 31 S., R. 19 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over steep sandstone slopes.

0.82 By traverse, distances to topography are approximate as scaled from U.S.G.S. topographic sheets.

Asc. 200 ft. along W. side of red sandstone spur, projecting N.

16.00 Top of ascent on knob, approx. 120 ft. high; desc. 320 ft. over Nearly vertical NW. facing ledges.

25.00 Over nearly level land.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S R19E

¼
S35|S36
1957

Continue over nearly level land.

41.80 Intersect the Sixth Standard Parallel.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in exposed sandstone, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30S R19E

S C

¼ S36
S35|S36
T30½S
1957

from which

The standard ¼ sec. cor. of sec. 36 bears E., 11.62 chs. and is mkd. by an iron post, 1 in. diam., 10 ins. above ground, and in a collar of stone, with brass cap mkd.

S C

¼ S36
1928

Land, broken.

Soil, sandy with exposed sandstone.

Timber, scattered juniper and pinton.

Undergrowth, scattered artemesia.

From the true point for the cor. of secs. 4, 5, 32 and 33 on the S. bdy., which is witnessed N. 89° 57' E., 7.14 chs. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 31 S., R. 19 E.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken land; desc. 80 ft. over inaccessible ledges facing NE.

3.00 Base of ledges, bears N. 20° W., S. 20° E.; desc. 130 ft. over rolling N. slope of bench, through scattered timber.

25.00 Tip of spur, projecting NNE.; desc. 120 ft. over N. slope.

29.00 Wash, drains NE.

39.43 Point selected for the witness ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 3½ ft. base to top; with brass cap mkd.

T30½S R19E

¼

W C

S32½S33

1957

Asc. 15 ft. over S. face of sandstone knob, thence over top of knob.

40.00 Point for the ¼ sec. cor. of secs. 32 and 33 falls on N. slope of sandstone and cannot be perpetuated. Cont. over broken sandstone.

41.95 Intersect Sixth Standard Parallel South.

Point for the closing cor. of secs. 32 and 33 falls on N. slope and cannot be perpetuated.

From this point, the standard ¼ sec. cor. of sec. 33 bears E., 11.40 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

The point selected for the witness closing cor. of secs. 32 and 33 bears E., 1.00 chs. dist. at this point.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 3½ ft. base, 25 ins. high; with brass cap mkd.

T30S R19E

W S33

C S32 | S33

C C

T30½S

1957

Land, broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinion.

Note: The W. bdy. of sec. 32, T. 30½ S., R. 19 E. was inaccessible and was not surveyed.

GENERAL DESCRIPTION

The land in T. 30½ S., R. 19 E. is broken canyon land. The main drainage is N. to NE. The elevation ranges from 5000 ft. above sea level along the canyon bottoms to 6018 ft. along the S. bdy., near the ¼ sec. cor. of secs. 5 and 32.

The residual sandy silt soil of the township occurs in pockets and along the canyon and wash bottoms, and produces a scattered growth of dwarf juniper and pinion, with scattered cottonwoods and groves of scrub oak in the bottom lands. The undergrowth consists of black brush, silverleaf, mountain rush and cacti on the drier land, with sagebrush, rabbit brush, weeds and grass along the bottom lands.

There were no permanent sources of water encountered during this survey, however, there are probably intermittent springs and seeps along the canyon bottoms. There are not roads in the township. Other than the grazing of cattle, there is no evidence of any activity within the township.

CERTIFICATE OF CADASTRAL ENGINEER

We
I, Dell Gazier and C. P. Sylvester, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 12th day of October

I have surveyed the east boundary and a portion of the subdivision of Township
South, Range 19 East

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by ~~me~~ and under ~~my~~ ^{our} direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Decmeber 10, 1957
Salt Lake City, Utah

Dell Gazier
Dell Gazier - Cadastral Surveyor
C. P. Sylvester
C.P. Sylvester - Cartographic Survey A

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19

The foregoing field notes of the survey of _____

executed by _____
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 12th day of October

I have ~~surveyed~~ supervised the survey of the east boundary and a portion of the
subdivision of Township 30 1/2 South, Range 19 East

of the Salt Lake Meridian, in the State of Utah, which is
represented in the foregoing field notes as having been executed ~~by me and under my supervision~~ under my supervision
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

December 10, 1957

Salt Lake City, Utah

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 13 1958, 19

The foregoing field notes of the survey of the east boundary and a portion of the
subdivision of Township 30 1/2 South, Range 19 East, Salt Lake Meridian, Utah

executed by Dell Cazier and C.P. Sylvester, under the supervision of Vern E. Lane
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~
~~is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 30 $\frac{1}{2}$ SOUTH, RANGE 20 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Fred R. Chappell - Cadastral Surveyor

Under special instructions dated October 12, 1954, which provided

the surveys included under Group No. 403, approved November 22, 1954

assignment instructions dated April 22, 1957

Survey commenced June 13, 1957

Survey completed June 20, 1957

INDEX DIAGRAM

Township 30½ South, Range 20 East

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31	32	33	34	35	36
	3	2			1

Township 30½ South, Range 20 East

Chains

The east boundary of T. 30½ S., R. 20 E. of the Salt Lake Meridian, Utah was surveyed by Stewart and Anderson in 1911. The north boundary was surveyed by Charles Frank Moore and Robert C. Yundt in 1927. The south and west boundaries are being surveyed concurrently under this group and are described in the field notes of the adjoining townships. The following field notes are those of a survey of a portion of the subdivision considered sufficient in extent to mark the boundaries of those sections normally considered as State school land, and to facilitate the development of the natural resources.

The survey was executed with a Buff and Buff solar transit No. 26066 being the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument has full vertical circles and improved type solar attachment. The horizontal plate has two double verniers placed opposite each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. The instrument was in good adjustment, and prior to the beginning of the field work it was examined and all errors were eliminated. The instrument was maintained in good adjustment during the survey.

The direction of the lines were determined by solar transit method.

The measurements were made with steel ribbon tapes, 8 chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of every ten links. They were tested by comparison with a Lufkin standard steel tape, 1 chain in length and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these notes. In most cases, the distances were determined by chaining, but in some instances they were obtained by triangulation and in others by offsets and traverses. The details of these were thoroughly verified and only the true line distances are given in the notes.

The geographic position of the SE. corner of the township, determined through section line ties made to U.S. Geological Survey triangulation station "House", located in T. 32 S., R. 18 E. is latitude 38° 07' 09.6" N. and longitude 109° 39' 46.7" W.

The mean magnetic declination was found to be 15° E.

Portion of the Subdivision, T. 30½ S., R. 20 E.

Beginning at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township, an iron post; 2½ ins. diam., described in the field notes of T. 31 S., R. 20 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken desert land, through scattered timber and scant undergrowth; desc. 80 ft. along an E. slope.

6.00 Wash, drains SE.; asc. 400 ft. over rough S. slope.

19.90 Point of bench, extending from NW.; desc. 400 ft. over NE. slope.

32.50 W. end of cove, drains E.; thence along an E. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Portion of the Subdivision, T. 30° S., R. 20 E.

Chains

101140

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S R20E

S35|S36
1957

41.47

Intersect the Sixth Standard Parallel South in R. 20 E.

At the point of intersection

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, with brass cap mkd.

T30S R20E

S36
S35|S36
C C
T30½S
1957

From this closing cor., the standard ¼ sec. cor. of sec. 36 bears E., 14.59 chs. dist., an iron post, 1 in. diam., conforming to the record.

Land, broken desert.

Soil, sandy clay, with exposed sandstone.

Timber, scattered juniper and pinion.

Undergrowth, scant black brush, bitter brush and grass.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the township, an iron post, 2½ ins. diam., described in the field notes of T. 31 S., R. 20 E.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken sandstone slickrock; no timber or undergrowth. Portions of this line are inaccessible and the topography is approx. as scaled from U.S.G.S. topographical maps.

Asc. about 300 ft. over ledges and slickrock, facing SW.

9.00 Sandstone ridge, bears NW. and SE.; desc. 100 ft. over slickrock.

13.00 Sandstone finger, slopes steeply to NE.; desc. 300 ft. abruptly.

19.00 Ravine, drains NE.; asc. 300 ft. abruptly.

25.00 Sandstone point, extends NE., 5 chs. to end; desc. 300 ft. abruptly.

28.00 Enter rolling land, bears NW. and SE.

40.00 Point for the ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T30½S R20E

S32|S33
1957

Deposit a sandstone, 4x4x2 ins., mkd. with a cross (X) at the base of the post.

No other accessories available.

Portion of the Subdivision, T. 30 $\frac{1}{2}$ S., R. 20 E.

Chains

41.56 Intersect the Sixth Standard Parallel South at the point for the closing cor. of secs. 32 and 33.

Set an iron post; 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T30S R20E

S33

S32 | S33

C C

T30 $\frac{1}{2}$ S

1957

From this closing cor., the standard $\frac{1}{4}$ sec. cor. of sec. 33 bears E., 14.48 chs. dist., an iron post, 1 in. diam., conforming to the record.

Land, broken desert.

Soil, sandy clay and exposed sandstone.

Timber, scattered dwarf juniper and pinion.

Undergrowth, scant black brush, bitter brush, mountain rush, grass and weeds.

Beginning at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the township., an iron post, 2 $\frac{1}{2}$ ins. diam., described in the field notes of T. 31 S., R. 20 E.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken desert land, through widely scattered timber and scant undergrowth; asc. 60 ft. over S. slope.

9.40 Spur, projects NE.; desc. 60 ft.

17.30 Draw, drains E.; asc. 75 ft. over S. slope.

23.20 Sandstone spur, projects E.; desc. 20 ft.

31.50 Draw, drains N. 75° E.; asc. 100 ft. over barren sandstone slope, facing S.

36.30 Sandstone spur, projects E.; desc. 30 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base, with brass cap mkd.

T30 $\frac{1}{2}$ S R20E $\frac{1}{4}$

S31 | S32

1957

41.32 Point selected for the witness closing cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 3 $\frac{1}{2}$ ft. base, with brass cap mkd.

T30S R20E

S32

S31 | S32

W C C

T30 $\frac{1}{2}$ S

1957

Chains
41.52

Intersect the Sixth Standard Parallel South in R. 20 E., at the point for the closing cor. of secs. 31 and 32.

True point for the closing cor. of secs. 32 and 33 falls in a sandstone crevice, where the cor. cannot be perpetuated, from which the standard $\frac{1}{4}$ sec. cor. of sec. 32 bears E., 14.49 chs. dist., an iron post, 1 in. diam., conforming to the record.

Land, broken desert.

Soil, sandy loam, with barren sandstone.

Timber, widely scattered juniper and pinion.

Undergrowth, scattered black brush, bitter brush, mountain rush, grass and weeds.

GENERAL DESCRIPTION

The land in the township is badly broken desert land, with several small island mesas. The township is cut by numerous steep sided and box canyons. The east portion of the township drains south and east, into Salt Creek, which drains in a northeast direction. The center and west portions of the township drain north and west into tributaries of the Colorado River. The soil is principally a sandy clay with a large amount of exposed, broken and eroded sandstone. There is a medium dense growth of juniper and pinion in the eastern portion and scattered patches of dwarf juniper and pinion over the rest of the township. The undergrowth is mainly black brush, with lesser amounts of sagebrush, yellow top, bitter brush, service berry, greasewood, cacti, grass and weeds. There are no permanent habitants in the township. A considerable amount of prospecting for fissionable minerals has been and to some extent is still being carried on in the area. This township is not accessible by motor vehicle.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 12th day of October

I have ~~surveyed~~ supervised the survey of a portion of the Subdivision, Township
South, Range 20 East

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed ~~by me and under my supervision~~ under my supervision
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

December 5, 1957
Salt Lake City, Utah

Vern E. Lane
Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., OCT 13 1958, 19

The foregoing field notes of the survey of a portion of the Subdivision, Township 30
South, Range 20 East

executed by Fred R. Chappell, under the supervision of Vern E. Lane
having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY~~ that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF

THE EAST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 31 SOUTH, RANGE 13 EAST

Of the SALT LAKE Meridian,

the State of UTAH

EXECUTED BY

Vern E. Lane Cadastral Surveyor (Chief of Party)

Craig P. Sylvester Cartographic Survey Aid

Donald A. Cannon Cartographic Survey Aid

under special instructions dated March 17, 1955, which provided

the surveys included under Group No. 400, approved April 4, 1955

and assignment instructions dated April 23, 1956

Survey commenced June 4, 1956

Survey completed August 1, 1956

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16-56770-1

Craig P. Sylvester
 Donald A. Cannon

T. 31 S., R. 13 E.

The Sixth Standard Parallel South through Range 13 East was surveyed by Charles F. Moore in 1934. The West boundary was surveyed by Bernard Smith in 1922. The South boundary was surveyed concurrently with the survey of this township and is described in the field notes of Township 32 South, Range 13 East.

The following field notes are those of the survey of the East Boundary and a portion of the subdivision in Township 31 South, Range 13 East deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally normally considered state school sections.

The survey was executed with Duff and Duff solar transit number 26066 and Curley solar transit number 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work and were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported were determined by deflecting from meridians established by observations upon the sun and Polaris throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true line method, but for simplification of the record the random lines are omitted from these field notes.

The measurements were made with steel tapes eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals on ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and were found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by the direct method where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods, the traverses and triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is: latitude $38^{\circ} 03' 35''$ N., longitude $110^{\circ} 25' 13''$ W., as scaled from U.S.G.S. topographic maps.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° E.

East Boundary, T. 31 S., R. 13 E.

From the cor. of Ts. 31 and 32 S., Rs. 13 and 14 E., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, marked, and witnessed as described in the field notes of the survey of T. 32 S., R. 13 E.

North, bet. secs. 31 and 36.

Over rough broken land, through thinly scattered juniper; asc. 230 ft. along SE. slope.

Spir, slopes E.; desc. 30 ft. over N. slope.

East Boundary., T. 31 S., R. 13 E.

Chains

marked

- 31.50 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 36.
Set an iron post, 30 ins. long, 1 in. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked.
- $\frac{1}{4}$
W C
S36 | S31
1956
- Witness cor. is located on high rim bearing E. and W.
Desc. 1050 ft. over high sandstone ledge and steep talus N. slope.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36 falls on inaccessible face of ledge, where the cor. cannot be monumented.
- 48.50 Drain, course N. 20° E.; desc. 40 ft. over series of low spurs and minor drains putting E.
- 80.00 Point for the cor. of secs. 25, 30, 31, and 36.
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked.
- T31S
R13E R14E
S25 | S30
S36 | S31
1956
- Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper.
-
- North, bet. secs. 25 and 30.
Over rough and broken breaks of the Dirty Devil River, through scattered juniper; asc. 640 ft. over steep talus slope and high ledges on SE. slope.
- 26.00 Rim, bears NE. and SW.; continue ascent over ledges.
- 30.80 Spur, projects NE.; desc. 30 ft. over N. slope.
- 34.73 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
Set an iron post, 36 ins. long, 1 in. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked.
- $\frac{1}{4}$
W C
S25 | S30
1956
- Witness cor. is located on high S. rim of Poison Spring Canyon.
Desc. 1300 ft. over ledges and steep talus N. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30 falls on inaccessible ledges facing N., where the cor. cannot be monumented.

East Boundary, T. 31 S., R. 13 E.

Chains

69.50 Drain, course N. 10° E.; asc. 40 ft. along broken E. slope.

80.00 Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T31S
R13E R14E
S24|S19
S25|S30
1956

Land, rough broken breaks of the Dirty Devil River.

Soil, sand and exposed sandstone.

Timber, scattered juniper.

North, bet. secs. 19 and 24.

Over rough and broken land, through thinly scattered juniper; desc. 230 ft. over broken and ledgy N. slope.

17.00 Wash, in bottom of Poison Spring Canyon, 100 lks. wide, 2 ft. deep, course E.

19.00 Road, bladed, bears N. 80° W. and S. 80° E.

19.73 Point selected for the witness point bet. secs. 19 and 24.

Set an iron post, 36 ins. long, 1 in. diam., 15 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap marked

T31S
S24|S19
W P
1956

Asc. 460 ft. over broken shale ledges on broken S. slope.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 36 ins. long, 1 in. diam., 5 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked.

¼
S24|S19
1956

Asc. 950 ft. over steep S. talus slope, and cliff.

71.00 N. rim of Poison Spring Canyon, S. edge of Bert Mesa, a cliff about 200 ft. high, bears E. and W.; asc. 160 ft. over broken S. slope.

80.00 Point for the cor. of secs. 13, 18, 19, and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

East Boundary, T. 31. S. R. 13. E. 4

Chains

00.00

T31S
R13E R14E

S13/S18
S24/S19

1956

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered scrub juniper.

North, bet. secs. 13 and 18.

Along N. rim of Poison Spring Canyon and S. rim of Bert Mesa, through scattered juniper; desc. 140 ft. over ledges on NW. slope.

7.00 Ravine, drains sharply S. 40° W.; asc. 140 ft. over ledges on SW. slope.

21.50 Point extends W. about 8 chs. to rim; desc. 130 ft. over ledges facing NW.

33.00 Wash, 35 lks. wide, 3 ft. deep, course S. 40° W.; asc. 140 ft. over broken SW. slope.

40.00 Point for the 1/4 sec. cor. of secs. 13 and 18 falls on face of sandstone ledge sloping SW. where the cor. cannot be perpetuated.

40.60 Leave ledges and continue over rolling top of Bert Mesa.

40.75 Point selected for the witness 1/4 sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over an (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

1/4
S13/S18
W C
1956

Asc. 100 ft. over rolling S. slope.

80.00 Point for the cor. of secs. 7, 12, 13, and 18.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over an (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S
R13E R14E
S12/S 7
S13/S18
1956

Land, broken and rolling top of Bert Mesa.
Soil, exposed sandstone and sand.
Timber, scattered juniper.

North, bet. secs. 7 and 12.

Over rolling top of Bert Mesa, through scattered juniper; asc. 15

40.00 Point for the 1/4 sec. cor. of secs. 7 and 12.

East Boundary, T. 31 S., R. 13 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

$\frac{1}{4}$
S12 | S 7
1956

Continue over rolling top of Bert Mesa.

80.00 Point for the cor. of secs. 1, 6, 7, and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S
R13E R14E
- S 1 | S 6
S12 | S 7
1956

Land, rolling top of Bert Mesa.
Soil, sand and scattered rocks.
Timber, scattered juniper.

North, bet. secs. 1 and 6.

Over rolling top of Bert Mesa, through scattered juniper; desc. 140 ft.

39.55 W. wall of the Dirty Devil River, bears N. 70° W. and S. 70° E.; desc. 20 ft. over ledges on N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2 ins. diam., 5 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

$\frac{1}{4}$
S1 | S6
1956

Cor. is located on a minor spur, projecting NE.

Desc. 1160 ft. over high cliff and steep broken talus N. slope.

67.00 Drain, course N. 10° E.; thence along steep E. slope.

80.00 Point for the 1/16 sec. cor. of secs. 1 and 6, at 80 chs.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

1/16
S1 | S6
80
1956

Desc. 250 ft. over rough and broken N. slope.

98.37 Point selected for the witness 1/16 sec. cor. of secs. 1 and 6, at 100 chs.

Chains		
	<p>Desc. 20 ft. over small ledge to river.</p>	
100.00	<p>Point for the 1/16 sec. cor. of secs. 1 and 6 falls in the Dirty Devil River.</p>	00.08
100.75	<p>Dirty Devil River, 3 chs. wide, 4 ft. deep, course S⁷⁵ 60° E.; asc. 210 ft. over rough broken S. slope.</p>	
109.94	<p>Intersect the Sixth Standard Parallel South in E. 14 E. Point for the closing cor. for Ts. 31 S., Rs. 13 and 14 E.</p>	
	<p>Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T30S R14E S31 S 1 1/2 S 6 T31S G G 1956</p>	
	<p>The cor. is located on steep S. slope.</p> <p>From this closing cor., the standard cor. of secs. 31 and 32, T. 31 S., R. 14 E., bears East, 9.30 chs. dist.; monumented by an iron post 2 ins. diam., set, marked, and witnessed as described in the office record.</p>	
	<p>Land, rough and broken breaks and bottom of the Dirty Devil River. Soil, sand and exposed sandstone. Timber, scattered juniper.</p>	
Portion of the Subdivision, T. 31 S., R. 13 E.		
	<p>From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the T. monumented by an iron post, 2 1/2 ins. diam.; set, marked, and witnessed as described in the field notes of the survey of T. 31 S., R. 13 E.</p>	00.04
	<p>N. 0° 01' W., bet. secs. 35 and 36.</p>	
39.00	<p>Desc. 140 ft. over rolling NW. slope of Cedar Point, through scattered juniper.</p>	
40.00	<p>Wash, drains NW. about 5 chs. to junction with Butler Canyon;</p>	
	<p>Point for the 1/4 sec. cor. of secs. 35 and 36.</p> <p>Set an iron post, 30 ins. long, 2 1/2 ins. diam., over (X) on sandstone surface and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked</p>	78.89
	<p style="text-align: center;">S35 1/2 S36 1956</p> <p>Desc. 50 ft. along broken N. slope.</p>	15

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains	
50.30	Butler Wash, 40 lks. wide, 1 ft. deep, course S. 60° W.; asc. 110 ft. over S. slope.
66.00	Top of ascent, bears E. and W.; desc. 20 ft. over rolling sand hills.
80.00	Point for the cor. of secs. 25, 26, 35, and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap marked
	T31S R13E S26 S25 S35 S36 . 1956
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. cor. Land, rolling. Soil, sandy and rocky. Timber, scattered juniper.
	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp. N. 89° 49' W., bet. secs. 25 and 36.
	Over rough and broken E. slope and cliff, through scattered juniper; asc. 1450 ft.
19.50	Top of high cliff, bears N. and S.; asc. 10 ft. over nearly level bench.
27.60	Crest of bench, bears N. and SW.; desc. 80 ft. over broken W. slope.
39.76	Point selected for the witness ¼ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked
	W¼ S25 C¼ S36 . 1956
40.00	Point for the ¼ sec. cor. of secs. 25 and 36 falls on steep sandstone formation sloping W., where the cor. cannot be monumented Desc. 90 ft. over broken W. slope.
46.00	Ravine, drains sharply NW.; asc. 410 ft. over rocky and sandy E. slope.
79.99	The cor. of secs. 25, 26, 35, and 36. Land, rough and broken in the E. and rolling in the W. Soil, sand and exposed sandstone. Timber, scattered juniper.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp.; monumented by an iron post, 2½ ins. diam., set, marked, and witnessed as described in the field notes of the survey of T. 32 S., R. 13 E. N. 0° 02' W., bet. secs. 33 and 34.
	Desc. 20 ft. over rolling top of Cedar Point, through scattered juniper.

. Portion of the Subdivision, T. 31 S., R. 13 E.

Chains	Remarks
10.00	Wash, 10 lks. wide, 1 ft. deep, course S. 30° W.; asc. 80 ft. over rolling S.W. slope.
39.83	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap marked
	$\frac{1}{4}$ W C S33 S34 1956
	No accessories available.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34 falls in a wash, 20 lks wide, 1 ft. deep, course SW.; asc. 100 ft. over rolling SE. slope.
80.00	Point for the cor. of secs. 27, 28, 33, and 34.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap marked
	T31S R13E S28 S27 S33 S34 1956
	No accessories available.
	Land, rolling top of Cedar Point.
	Soil, sand.
	Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 27 and 28.
	Asc. 60 ft. over rolling top of Cedar Point, through scattered juniper.
10.30	Ridge, bears E. and W.; desc. 90 ft. over rolling N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked
	$\frac{1}{4}$ S28 S27 1956
	No accessories available.
	Desc. 90 ft. over rolling N. slope.
61.40	N. edge of Cedar Point, bears E. and W.; desc. 300 ft. over irregular sandstone sloping NE.
0.00	Point for the cor. of secs. 21, 22, 27, and 28.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains

T31S R13E

S21 | S22

S28 | S27

1956

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

N. 0° 02' W., bet. secs. 21 and 22.

Over broken land, through scattered juniper; desc. 170 ft. over broken sandstone formations sloping NE.

20.00 Base of ledges, desc. 240 ft. along steep NW. slope.

37.40 Wash, 30 lks. wide, 2 ft. deep, course N. 60° W.; asc. 10 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

S21 | S22

1956

Cor. is located on W. end of minor spur, projecting from the E.

Desc. 30 ft. over NW. slope.

45.00 Wash, 35 lks. wide, 1 ft. deep, course S. 60° W.; asc. 160 ft. over broken bench.

56.30 Base, of steep ledgy slope, bears E. and W.; asc. 160 ft. over ledges on S. slope.

63.50 Top of ascent, bears E. and W.; desc. 10 ft. over top of broken bench on N. slope.

80.00 Point for the cor. of secs. 15, 16, 21, and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S R13E

S16 | S15

S21 | S22

1956

Land, rolling and broken.
Soil, sand and exposed sand stone.
Timber, scattered juniper.

N. 0° 02' W., bet. secs. 15 and 16.

Desc. 150 ft. over broken benchland.

19.50 Drain, course N. 30° W.; desc. 70 ft. over NW. slope.

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked
$$\begin{array}{r} \frac{1}{4} \\ \cdot S16 | S15 \\ 1956 \end{array}$$
Desc. 70 ft. over broken N. slope.
- 64.20 Top of broken ledge slope, bears E. and W; desc. 200 ft. over ledges facing N.
- 72.50 Wash, drains NE.
- 75.20 S. rim of Poison Spring Canyon, bears N. 60° W. and S. 60° E.; desc. 260 ft. over cliff and steep talus NE. slope.
- 80.00 Point for the cor. of secs. 9, 10, 15, and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked
$$\begin{array}{r} T31S R13E \\ S 9 | S10 \\ S16 | S15 \\ 1956 \end{array}$$
Cor. falls on steep talus NE. slope.
Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, thinly scattered juniper.
- N. $0^\circ 02'$ W., bet. secs. 9 and 10.
Desc. 100 ft. over NE. talus slope, in Poison Spring Canyon.
- 14.00 Bladed road, bears N. 60° W., and S. 65° E.
- 16.00 Wash, 2 chs. wide, 1 ft. deep, course S. 65° E.; asc. 600 ft. over steep talus S. slope and cliff.
- 30.00 N. rim of Poison Spring Canyon and S. edge of Bert Mesa, bears N. 60° W. and S. 60° E.; asc. 10 ft. over broken top of Bert Mesa.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked
$$\begin{array}{r} \frac{1}{4} \\ S 9 | S10 \\ 1956 \end{array}$$
Desc. 40 ft. over broken N. slope.
- 45.10 Wash, 10 lks. wide, 1 ft. deep, course S. 60° W.; desc. 10 ft. over rolling land.
- 47.30 Wash, 20 lks. wide, 1 ft. deep, course S. 60° W.
- 51.50 Wash, 20 lks. wide, 2 ft. deep, course S. 70° W.

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains	
80.00	Point for the cor. of secs. 3, 4, 9, and 10.
80.00	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked
	T31S R13E S 4 S 3 S 9 S10 1956
	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 3 and 4.
	Asc. 100 ft. over rolling top of Bert Mesa, through thinly scattered juniper.
36.30	Top of ascent, spur slopes S. 40° W.; desc. 20 ft. along W. slope.
40.00	True point for the ¼ sec. cor. of secs. 3 and 4 falls on sandstone ledge.
40.25	Point for the witness ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked
	$\frac{1}{4}$ S4 S3 WTC 1956
	Desc. 90 ft. along broken W. slope.
62.70	Wash, 20 lks. wide, 2 ft. deep, course S. 70° W.; continue along W. slope.
73.00	Wash, 30 lks. wide, 2 ft. deep, course S. 30° W.; asc. 10 ft. over S. slope.
80.00	Point for the 1/16 sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
	$\frac{1}{16}$ S4 S3 80 1956
	Asc. 110 ft. over broken S. slope.
87.30	Sandstone spur, slopes SW.; desc. 120 ft. over NW. slope.
100.00	Point for the 1/16 sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
	$\frac{1}{16}$ S4 S3 100 1956

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains	Station
	Desc. 40 ft., over NW. slope..
103.60	Wash, 1 ch. wide, 1 ft. deep, course S. 30° W.; asc. 70 ft. over SW slope.
109.19	Intersect the Sixth Standard Parallel South in Range 13 E.
	Point for the closing cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
	<p style="text-align: center;">T30S R13E <u>S34</u> S4 S3 C C T31S 1956</p>
	From this closing cor. the standard cor. of secs. 34 and 35, T. 30 S., R. 13 E., bears East, 9.70 chs. dist., monumented by an iron post, 2 ins. diam., set, marked, and witnessed as described in the official record.
	Land, rolling and broken top of Bert Mesa. Soil, sand and exposed sandstone. Timber, scattered scrub juniper.
	From the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the Tp. N. 89° 51' .., bet. secs. 1 and 12, on a parallel connecting the cor. of secs. 3, 4, 9, and 10.
	Desc. 100 ft., through thinly scattered juniper, over rolling sandy hills on top of Bert Mesa.
40.00	Point for the ¼ sec. cor. of secs. 1 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and a collar of stone, to top, with brass cap marked
	<p style="text-align: center;">¼ <u>S 1</u> S12 1956</p>
	Desc. 110 ft. over rolling sand hills, through thinly scattered juniper.
00.00	Point for the cor. of secs. 1, 2, 11, and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, to top, with brass cap marked
	<p style="text-align: center;">T31S R13E <u>S 2 S 1</u> S11 S12 1956</p>
	Land, rolling top of Bert Mesa. Soil, sand. Timber, scattered juniper.
	N. 0° 01' W., bet. secs. 1 and 2.

Portion of the Subdivision, T. 31 S., R. 13 E.

	Asc. 50 ft. over rolling top of Bert Mesa, through scattered juniper.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a cellar of stone, to top, with brass cap marked
	$\frac{1}{2}$ S2 S1 1956
70.70	Asc. 50 ft. over rolling top of Bert Mesa, through scattered juniper. Top of ascent, bears NE; and SA.; desc. 120 ft. over broken N. slope.
80.00	Point for the $\frac{1}{16}$ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 0 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
	$\frac{1}{16}$ S2 S1 80 1956
94.90	Desc. 300 ft. over a series of ledges on NW. slope, into the Dirty Devil River Canyon. Descend over cliff about 200 ft. high, bears N. 60° E. and S. 60° W.; desc. 350 ft. over cliff and steep NW. slope.
100.00	Point for the $\frac{1}{16}$ sec. cor. of secs. 1 and 2. Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked
	$\frac{1}{16}$ S2 S1 100 1956
109.72	Desc. 130 ft. over rocky broken NW. slope. Intersect the Sixth Standard Parallel South in R. 13 E. Point for the closing cor. of secs. 1 and 2 Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock and in a mound of stone, $4\frac{1}{2}$ ft. base, to top, with brass cap marked
	T30S R13E S36 S2 S1 C C T31E 1956
	From this closing cor., the true point for the standard cor. of T. 30 S., R. 13 and 14 E., bears East, 9.36 chs. dist. From the true point, the witness cor., bears E. 79 lks. dist., monumented by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

Chains

Land, rolling top of Bert Mesa, and broken breaks of the Dirty Devil River.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

The $\frac{1}{4}$ sec. cor. of sec. 1, on the N. bdy. of the Tp., was inaccessible and was not monumented.

From the cor. of secs. 1, 2, 11, and 12.

N. $89^{\circ} 51'$ W., bet. secs. 2 and 11, on a parallel connecting the cor. of secs. 3, 4, 9, and 10.

Asc. 20 ft. over rolling top of Bert Mesa, through scattered juniper.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

$\frac{1}{4}$ $\frac{S}{S12}$
1956

Over rolling top of Bert Mesa, through scattered juniper, asc. 20 ft.

45.20 Top of ascent, bears NE. and SW.; desc. 170 ft. over W. slope.

80.00 Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S R13E
 $\frac{S}{S10} \frac{S}{S11}$
1956

Land, rolling top of Bert Mesa.
Soil, sand.
Timber, scattered juniper.

N. $0^{\circ} 02'$ W., bet. secs. 2 and 3.

Over rolling top of Bert Mesa, through scattered juniper.

22.00 Wash, 25 lks. wide, 1 ft. deep, course S. 40° W.; asc. 30 ft. over gentle S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap marked

$\frac{1}{4}$
 $\frac{S}{S3} \frac{S}{S2}$
1956

Asc. 70 ft. over gentle S. slope.

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains

- 68.80 Top of ascent, bears NE. and SW.; desc. 10 ft. over N. slope.
- 80.00 Point for the 1/16 sec. cor. of secs. 2 and 3.
Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap marked
- 1/16
S3|S2
80
1956
- Desc. 50 ft. over N. slope.
- 93.00 Wash, 35 lks. wide, 1 ft. deep, course S. 60° W.; thence asc. 10 ft.
- 100.00 Point for the 1/16 sec. cor. of secs. 2 and 3.
Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap marked
- 1/16
S3|S2
100
1956
- Asc. 70 ft. over broken S. slope and ledge.
- 104.00 Top of ledge, about 50 ft. high, bears E. and N.; continue over level bench.
- 109.37 Intersect the Sixth Standard Parallel South, in R. 13 E.
Point for the closing cor. of secs. 2 and 3.
Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
- T30S R13E
S35
S3|S2
C C
T31E
1956
- From this closing cor., the true point for the standard cor. of secs. 35 and 36, T. 30 S., R. 13 E., bears East, 9.50 chs. dist. From which the witness cor., bears W. 43 lks. dist., monumented by an iron post, 2 ins. diam., set, marked, and witnessed as described in the official record.
- Land, rolling top of Bert Mesa.
Soil, sand and exposed sandstone.
Timber, scattered juniper.
- The ¼ sec. cor. of sec. 2 on the N. bdy of the Tp., is at proportionate dist. and inaccessible. The point selected for the witness cor., East, 3.05 chs. dist.
- At the point selected for the witness ¼ sec. cor. of sec. 2.
Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone surface and in a mound of stone, 3½ ft. base, to top, with brass cap marked

Portion of the Subdivision, T. 31 S., R. 13 E.,

Chains

W
 $\frac{1}{4}$ S 2
 1956

From the true point for this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 36 in R. 13 E., bears East, 9.43 chs. dist., monumented by an iron post, 1 in. diam., conforming to the record of the 1934 survey.

From the cor. of secs. 2, 3, 10, and 11.

N. $89^{\circ} 51'$ W., bet. secs. 3 and 10, on a parallel connecting the cor. of secs. 3, 4, 9, and 10.

Desc. 90 ft. over rolling top of Bert Mesa, through scattered juniper

34.30 Wash, 40 lks. wide, 1 ft. deep, course S. 30° W.; asc. 60 ft. over SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

$\frac{1}{4}$ S 3
 $\frac{1}{4}$ S 10
 1956

Asc. 80 ft. over rolling top of Bert Mesa.

49.80 Top of ascent, bears NE. and SW.; desc. 160 ft. over W. slope.

80.00 The cor. of secs. 3, 4, 9, and 10.

Land, rolling top of Bert Mesa.
 Soil, sand and rocky.
 Timber, scattered juniper.

At midpoint on the N. bdy. of sec. 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

$\frac{1}{4}$ S 3
 1956

From this cor., the standard $\frac{1}{4}$ sec. cor. of sec. 35 in R. 13 E., bears East, 9.60 chs. dist., monumented by an iron post, 1 in. diam., conforming to the record of the 1934 survey.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over rolling top of Cedar Point, through scattered juniper.

29.80 Wash, 30 lks. wide, 1 ft. deep, course S. 30° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains	
80.00	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked</p> <p style="text-align: center;"> $\frac{S32}{S33}$ 1956 </p> <p>Asc. 120 ft. over rolling top of Cedar Point.</p> <p>Point for the cor. of secs. 28, 29, 32, and 33.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap marked</p> <p style="text-align: center;"> T31S R13E $\frac{S29}{S28}$ $\frac{S32}{S33}$ 1956 </p> <p>Land, rolling top of Cedar Point. Soil, sand. Timber, scattered juniper.</p>
39.93	<p>From the cor. of secs. 27, 28, 33, and 34.</p> <p>N. 89° 51' W., bet. secs. 28 and 33.</p> <p>Over rolling top of Cedar Point, through scattered juniper.</p> <p>Point for the ¼ sec. cor. of secs. 28 and 33.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap marked</p> <p style="text-align: center;"> $\frac{S28}{S33}$ 1956 </p> <p>Desc. 50 ft. over rolling top of Cedar Point.</p> <p>The cor. of secs. 28, 29, 32, and 33.</p> <p>Land, rolling top of Cedar Point. Soil, sand. Timber, scattered juniper.</p>
10.50 40.00	<p>From the cor. of secs. 15, 16, 21, and 22.</p> <p>N. 89° 49' W., bet. secs. 16 and 21.</p> <p>Desc. 140 ft. over broken w. slope, through scattered juniper.</p> <p>Ravine, drains NW.; desc. 180 ft. over NW. slope.</p> <p>Point for the ¼ sec. cor. of secs. 16 and 21.</p> <p>Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked</p>

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains	and
	<p style="text-align: center;"> $\frac{1}{4}$ $\frac{S16}{S21}$ 1956 </p> <p>Desc. 40 ft. over broken bench.</p>
43.00	E. rim of canyon, bears N. and S.; desc. 360 ft. over ledges on W. slope.
52.50	Wash, 30 lks. wide, 2 ft. deep, in bottom of canyon, course N. 10° asc. 320 ft. over ledges on steep E. slope.
60.00	W. rim of canyon, bears N. and S.; thence over broken bench.
66.00	Point for the cor. of secs. 16, 17, 20, and 21.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked</p> <p style="text-align: center;"> T31S R13E $\frac{S17}{S16}$ $\frac{S20}{S21}$ 1956 </p> <p>Lead, broken. Soil, sand and exposed sandstone.. Timber, scattered juniper.</p>
	<p>N. 0° 03' W., bet. secs. 16 and 17.</p> <p>Asc. 150 ft over broken sandstone formation facing E., through scattered juniper.</p>
37.00	Top of ledge, bears E. and W. on curve to S.; desc. 170 ft. over ledge and steep NW. slope.
40.00	Point for the 2 sec. cor. of secs. 16 and 17.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ $\frac{S17}{S16}$ 1956 </p> <p>Desc. 20 ft. over N. slope.</p>
42.00	Wash, 30 lks. wide, 1 ft. deep, course N. 40° E.; asc. 50 ft. along broken E. slope.
51.00	Wash, 30 lks. wide, 1 ft. deep, course S. 60° E.
64.00	Wash, 40 lks. wide, 2 ft. deep, course S. 70° E.; asc. 100 ft. over E. slope.
75.00	Spur, slopes E.; desc. 60 ft. over NE. slope.
80.00	Point for the cor. of secs. 8, 9, 16, and 17 falls on sandstone slope where the cor. cannot be monumented.
	<p>The point selected for the witness cor., bears S. 89° 49' E., 0. 3 chs. dist., as hereinafter described.</p>

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

From the cor. of secs. 9, 10, 15, and 16.

N. 89° 49' W., bet. secs. 9 and 16.

Along broken S. wall of Poison Spring Canyon, asc. 320 ft. over steep E. slope.

8.00 Spur, slopes N.; desc. 460 ft. over steep broken NW. slope.

24.50 Wash, 40 lks. wide, 3 ft. deep, course N. 10° E. 5 chs. to junction with Poison Spring Wash; asc. 400 ft. over ledge E. slope.

35.00 Top of S. wall of Poison Spring Canyon, bears N. 40° W. and S. 20° W.; thence over rolling bench.

40.00 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone surface and in a mound of stone, 3½ ft. base, to top, with brass cap marked

$$\begin{array}{r} \frac{S}{4} \frac{9}{S16} \\ 1956 \end{array}$$

Asc. 80 ft. over rolling bench.

79.65 Point selected for the witness cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

$$\begin{array}{r} T31S R13E \\ W \frac{8}{8} \frac{8}{9} \\ C \frac{S17}{S16} \\ 1956 \end{array}$$

80.01 Point for the cor. of secs. 8, 9, 16, and 17.

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

From the cor. of secs. 5, 6, 31, and 32., on the S. bdg. of the Tp., monumented by an iron post, 2½ ins. diam., conforming to the 1956 survey.

N. 0° 03' W., bet. secs. 31 and 32.

Asc. 30 ft. over rolling top of Cedar Point, through scattered juniper.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 21 ins. in the ground, with brass cap marked

$$\begin{array}{r} \frac{S}{4} \\ S31 \frac{S}{S} 32 \\ 1956 \end{array}$$

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains

reel(s)

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Desc. 50 ft. over rolling top of Cedar Point.

20.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap marked

T31S R13E
S30|S29
S31|S32
1956

Land, rolling.
Coil, sand.
Timber, scattered juniper.

From the cor. of secs. 28, 29, 32, and 33.

N. $89^{\circ} 48'$ W., bet. secs. 29 and 32.

Desc. 100 ft. over rolling top of Cedar Point, through scattered juniper.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap marked

$\frac{1}{4}$ S29
S32
1956

Desc. 150 ft. over rolling top of Cedar Point, through scattered juniper.

80.00 The cor. of secs. 29, 30, 31, and 32.

Land, rolling.

Coil, sand.

Timber, scattered juniper.

N. $89^{\circ} 46'$ W., bet. secs. 30 and 31.

Over rolling top of Cedar Point, through scattered juniper, desc. 60 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap marked

$\frac{1}{4}$ S30
S31
1956

No accessories available.

Desc. 60 ft. over rolling slope of Cedar Point, through scattered juniper.

Portion of the Subdivision, T. 31 S., R. 13 E.

Chains

77,71

The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., monumented by an iron post, set, marked, and witnessed as described in the official record.

Land, rolling.

Soil, sand.

Timber, scattered juniper.

General Description

Township 31 South, Range 13 East consists principally of two high mesas; Cedar Point in the south and Bert Mesa in the north. These two mesas are divided by Poison Spring Canyon, a deep canyon, rimed with high ledges, which enters the township on the west boundary of section 7, and drains irregularly southeast to the Dirty Devil River, leaving the township on the east boundary of section 24. This canyon drains all of the township except the extreme south west corner, which drains southwest into North Wash, and the extreme northeast, which drains northerly into the Dirty Devil River, at the NE. corner.

The elevation varies from 4100 ft. above sea level in Poison Spring Canyon, to 5875 ft. on top of Cedar Point.

Three permanent sources of water were noted during the survey, a spring in the bottom of Poison Spring Canyon, in section 8, flowing four gallons a minute, a spring in a side canyon near the center of section 16, both having good drinking water. The other water was the Dirty Devil River. in the NE. corner of the township.

A bladed road runs through the township in the bottom of Poison Spring Canyon.

The soil is sand and exposed sandstone, covered with scattered scrub juniper and pinon on the higher elevations, and a few cottonwood trees in the bottom of the canyons.

CERTIFICATE OF CADASTRAL ENGINEER

Craig P. Sylvester, Cartographic Survey Aid
We, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor

pursuance of special instructions bearing date of the 17th day of March

We have surveyed the east boundary and a portion of the subdivisional lines in T. 3
R. 13 E.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by us and under our direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 5, 1957
Salt Lake City, Utah

Craig P. Sylvester
Craig P. Sylvester, Cartographic Survey Aid
Donald A. Cannon
Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., 19

The foregoing field notes of the survey of

executed by

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cadastral Engineer, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 17th day of March

I have supervised the survey of the East boundary and a Portion of the Subdivisional
lines in T. 31 S., R. 13 E.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed under my supervision, and the
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 5, 1957
Salt Lake City, Utah

Vern E. Lane
Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of the East boundary and a portion of the sub-
divisional lines in T. 31 S., R. 13 E.

executed by Craig P. Sylvester and Donald A. Cannon, under the supervision of Vern E.
Lane,
having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the East Boundary

and a

Portion of the Subdivisional Lines

of

Township 31 South, Range 14 East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Craig P. Sylvester, Cartographic Survey Aid

der special instructions dated March 17, 1955, which provided

the surveys included under Group No. 400, approved April 4, 1955

and assignment instructions dated April 23, 1956

Survey commenced July 15, 1956

Survey completed July 30, 1956

Township 31 South, Range 14 East

Chains

The Sixth Standard Parallel South through Range 14 East was surveyed by Charles F. Moore in 1934. The south boundary was surveyed concurrently with the survey of this township and the record appears in the field notes of T. 32 S., R. 14 E. The west boundary was surveyed concurrently with the survey of this township and the record appears in the field notes of T. 31 S., R. 13 E.

The following field notes are those of the survey of the east boundary and a portion of the subdivision of T. 31 S., R. 14 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with Buff and Buff solar transit No. 26066 and W. and L. E. Gurley solar transit No. 40190, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported were determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found to be correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible, otherwise by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the SE. cor. of the township is, latitude $38^{\circ} 03' 34''$ N.; longitude $110^{\circ} 18' 38.9''$ W., as determined by traverse from U.S.G.S. Triangulation Station "Orange", situated in Sec. 32, T. 32 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be $15^{\circ} 00'$ E.

East Boundary of T. 31 S., R. 14 E.

From the cor. of Ts. 31 and 32 S., Rs. 14 and 15 E., an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of T. 32 S., R. 14 E.

North, bet. secs. 31 and 36.

East Boundary of T. 31 S., R. 14 E.

Chains

meas'd

Over rolling hills; desc. 60 ft.

26.10 Wash, 20 lks. wide, 2 ft. deep, course W.; desc. 60 ft.

33.50 Wash, in bottom of South Hatch Canyon, 1 chain wide, 1 ft. deep, course W. irregularly; asc. 60 ft.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36.

Set an iron post, 36 ins. long, 1 in. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

S 36 | S 31
1956

Asc. 10 ft. over rolling hills.

60.10 Wash, 15 lks. wide, 5 ft. deep, course NW. irregularly; asc. 110 ft. over rolling hills.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S
R14E R15E
S25 | S30
S36 | S31
1956

Land, rolling.
Soil, sand and shale.
No timber.

North, bet. secs. 25 and 30.

Over rolling land; asc. 110 ft. over a series of low spurs and small washes putting SW.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 30.

Set an iron post, 36 ins. long, 1 in. diam., over an (X) on sandstone surface, and in a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, with brass cap mkd.

S 25 | S 30
1956

Asc. 140 ft. over broken land.

75.00 Top of ascent on top of grey butte-ridge, bears SE. and NW. on curve to N.; desc. 100 ft. over NE. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

East Boundary of T. 31 S., R. 14 E.

T31S
R14E R15E
S24|S19
S25|S30
1956

Land, broken.
Soil, sand and shale.
No timber.

North, bet. secs. 19 and 24.

Over broken hills; desc. 180 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 36 ins. long, 1 in. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.

$\frac{1}{4}$
S. 24 | S 19
1956

Desc. 90 ft. over rolling land.

58.60 Wash, in bottom of North Hatch Canyon, 60 lks. wide, 3 ft. deep, course W. irregularly; asc. 60 ft. over rolling S. slope.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T31S
R14E R15E
S13|S18
S24|S19
1956

Land, rolling and broken.
Soil, sand and exposed sandstone.
No timber.

North, bet. secs. 13 and 18.

Over broken land; asc. 40 ft. over rolling S. slope.

9.00 Base of steep ascent, bears E. and W.; asc. 190 ft. over steep S. slope.

14.30 Top of rim, bears E. and W.; thence over nearly level bench.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

Chains	Description	Chains
	$\begin{array}{c} \frac{1}{2} \\ S\ 13\ \ S\ 18 \\ 1956 \\ W\ C \end{array}$	
	Desc. 60 ft. along broken W. slope.	
80.00	Point for the cor. of secs. 7, 12, 13 and 18, falls on a boulder where the corner cannot be monumented, mkd. an (K) on the true point. Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper.	
	$\begin{array}{c} T31S \\ R14E\ R15E \\ S12\ \ S7 \\ S13\ \ S18 \\ W\ C \\ 1956 \end{array}$	
	North, bet. secs. 7 and 12.	10.00
	Over broken and rugged land.	
.10	Point selected for the witness cor. of secs. 7, 12, 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 2 ft. high, with brass cap mkd.	
.50	Wash, 40 lks. wide, 3 ft. deep, course S. 20° W.; asc. 160 ft. over steep talus S. slope.	
7.00	Base of high ledges, bearing NE. and SW.; asc. 840 ft. over ledges facing SE.	
29.00	Top of end of high point, projecting from NE.	
34.00	Sandstone gulch, drains steeply to SW.	
40.00	Point for the ¼ sec. cor. of secs. 7 and 12, falls in ledges where the corner cannot be monumented.	
42.00	Top of vertical sandstone wall, on S. side of Big Ridge, bears NE. and SW.; thence over broken top of Big Ridge.	
42.71	Point selected for the witness ¼ sec. cor. of secs. 7 and 12. Set an iron post, 36 ins. long, 1 in. diam., 1 in. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.	
	$\begin{array}{c} \frac{1}{2} \\ S\ 12\ \ S\ 7 \\ W\ C \\ 1956 \end{array}$	
	Asc. 100 ft. over top of Big Ridge.	00.00

East Boundary of T. 34 S., R. 14 E.

Stations

of Ridge, bears E. and W.; enter dense growth of cedar and pinon; desc. 20 ft. over NE. slope.

Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 36 ins. long, 1 in. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.

T31S
R14E R15E
S1 | S6
S12 | S7
1956

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, dense cedar and pinon.

North, bet. secs. 1 and 6.

Desc. 40 ft. over N. slope, through dense timber.

13.70 Enter rough sandstone formations; desc. 80 ft. over N. slope.

19.30 Rim, bears NE. and SW.; desc. 240 ft. over precipitous ledges facing NW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6, falls in the head of a gulch, with 200 ft. walls, draining steeply to W.; asc. 280 ft. over ledges on SW. slope. It is impossible to monument the corner in its true position.

45.75 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, with brass cap mkd.

$\frac{1}{4}$
S 1 | S 6
↓
W C
1956

Over broken land; asc. 100 ft. along E. slope.

48.00 Ridge, bears NW. and SE.; desc. 240 ft. along high broken ledges, facing E.

58.50 Drain, course E.; asc. 280 ft. along E. slope.

80.00 Point for the 1/16 sec. cor. of secs. 1 and 6.

Set a sandstone, 14x12x4 ins., in a mound of limestone, 3 ft. base, mkd. (X) on top, 1/16 on N. and 80 on S.

Asc. 90 ft. along broken E. slope.

95.90 Sandstone monolith, extends E. and W.; desc. 310 ft. over N. slope.

Chains		miles
110.55	<p>Intersect the Sixth Standard Parallel South at point for the closing cor. of Ts. 31 S., Rs. 14 and 15 E. Set an iron post, 36 ins. long, 1 in. diam., 1 in. in the ground to bedrock, and in a mound of stone, 4 ft. base, 2½ ft. high, with brass cap, mkd.</p> <p style="text-align: center;">T30S R15E S31 S1 S6 R14E R15E T31S C C 1956</p> <p>From this closing cor., the standard cor. of secs. 31 and 32, T. 30 S., R. 15 E., bears East, 13.27 chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1934 survey.</p> <p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, dense growth of pinon and juniper.</p>	
Portion of the Subdivision of T. 31 S., R. 14 E.		
	<p>From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 32 S., R. 14 E. N. 0° 01' W., bet. secs. 35 and 36.</p> <p>Over rolling hills; asc. 110 ft. over S. slope.</p>	
13.00	Spur, projects E., 3 chs. to end; desc. 90 ft. over N. slope.	
16.20	Small wash, drains NE.; asc. 60 ft. along E. slope.	
22.30	Spur, slopes NE., 2 chs. to end; desc. 130 ft. over gentle NE. slope.	
40.00	<p>Point for the ¼ sec. cor. of secs. 35 and 36.</p> <p>Set an iron post, 36 ins. long, 1 in. diam., 1 in. in the ground to bedrock, and in a mound of stone, 4 ft. base, 2 ft. high, with brass cap mkd.</p> <p style="text-align: center;">¼ S 35 S 36 1956</p> <p>Desc. 40 ft. over N. slope.</p>	
48.20	Wash, 15 lks. wide, 2 ft. deep, drains N. 30° E., asc. 30 ft. over rolling hills.	
63.60	Wash, 15 lks. wide, 3 ft. deep, course N. 15° E.; desc. 60 ft. over rolling hills.	
78.80	Top of ledge, bears N. 70° E. and N. 15° W.; desc. 90 ft. along face of ledge.	

Position of the Subdivision of T. 31 S., R. 14 E.

Chains

Point for the cor. of secs. 25, 26, 35 and 36, falls on the face of the same ledge, where the corner cannot be monumented.

Land, rolling.

Soil, sand and shale.

No timber.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township.

N. 89° 57' W., bet. secs. 25 and 36.

Over rolling hills; desc. 130 ft.

22.10 Wash, 10 lks. wide, 1 ft. deep, course SW.; desc. 50 ft. over rolling hills.

40.04 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 36 ins. long, 1 in. diam., 8 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, with brass cap mkd.

	S 25	
$\frac{1}{4}$	S 36	
	1956	

Desc. 50 ft. over rolling hills.

57.40 Wash, in the bottom of South Hatch Canyon, 50 lks. wide, 1 ft. deep, course NW. irregularly; asc. 20 ft. over E. slope.

59.80 Spur, projects N., 5 chs. to end; desc. 40 ft. over W. slope.

64.70 Same wash, drains S. 3 chs., thence W.; desc. 20 ft. over rolling hills.

78.80 Same wash, course NW.; asc. 20 ft. over E. slope to base of ledge.

79.90 Point selected for the witness cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

	T31S R14E	
W	S26	S25
C	S35	S36
	1956	

80.08 The true point for the cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, sand and shale.

No timber.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, an iron post, $2\frac{1}{2}$ ins. diam., set, mkd, and witnessed as described in the field notes of T. 32 S., R. 14 E.

N. 0° 03' W., bet. secs. 32 and 33.

Portion of the Subdivision of T. 31st N., R. 14 E.

Chains	
	Along ledges facing E. and over a series of low spurs and washes putting E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. $\frac{1}{4}$ S 32 S 33 1956 Continue over broken bench land.
63.50	Small wash, course S. 20° E.; asc. 140 ft. over S. slope.
73.00	Spur, slopes SW.; thence along W. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. T31S R14E S29 S28 S32 S33 1956 Land, broken. Soil, sand and exposed sandstone. No timber.
	N. $0^\circ 03'$ W., bet. secs. 28 and 29.
	Over broken land, along a broken W. slope.
5.00	Top of steep ascent, bears E. and W.; desc. 320 ft. over steep NW. slope.
17.50	Wash, course W.; thence over a series of low spurs and small drains putting W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd. $\frac{1}{4}$ S 29 S 28 1956 Desc. 50 ft. over NW. slope.
42.00	Wash, 20 lks. wide, 2 ft. deep, course S. 80° W.; asc. 530 ft. over rough and broken S. slope.
65.50	Base of high cliff, bears S. 80° W. and N. 80° E.; asc. 420 ft. abruptly.

Portion of the Subdivision of T. 31 S., R. 14 E.

Chains

67.50 High spur projects S. 60° W. from Buck Acre Point; desc. 420 ft. abruptly over cliff, facing NW.

75.00 Base of cliff, bears N. 70° E. and S. 70° W.; desc. 100 ft. over steep NW. slope.

80.00 Point for the cor. of secs. 20, 21, 28 and 29, falls on small steep NW. slope, where the corner cannot be perpetuated.

Land, rough and broken.
Soil, sand and exposed sandstone.
No timber.

N. 0° 03' W., bet. secs. 20 and 21.

Over rough and broken land; desc. over steep broken NW. slope.

Point selected for the witness cor. of secs. 20, 21, 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R14E	
S20	S21
S29	S28
W C	
1956	

Desc. 420 ft. over broken NW. slope.

32.50 Wash, 30 lks. wide, 3 ft. deep, course W.; asc. 240 ft. over steep S. slope.

39.00 S. edge of spur, bears E. and W.; thence over top of spur.

40.00 Point for the ¼ sec. cor. of secs. 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

¼	
S 20	S 21
1956	

Continue over top of spur, projecting W.

49.00 N. edge of same spur; bears N. 60° W. and S. 60° E.; desc. 170 ft. over NE. slope.

55.00 Bladed road, bears N. 60° W. and S. 60° E.; desc. 60 ft. over N. slope.

60.00 Wash, 30 lks. wide, 1 ft. deep, course N. 75° W.; asc. 250 ft. over broken SW. slope.

77.00 Spur, slopes N. 70° W.; desc. 200 ft. over NW. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Portion of the Subdivision of T. 31 S., R. 14 E.

Chains	Notes
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R14E S17 S16 S20 S21 1956</p> <p>Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered juniper.</p>
	<p>N. 0° 03' W., bet. secs. 16 and 17.</p> <p>Over broken land; desc. 180 ft. over NE. slope.</p>
11.00	Wash, 30 lks. wide, 2 ft. deep, course S. 80° W.; asc. 250 ft. over SE. slope.
25.50	Top of spur ridge, 2½ chs. wide, projects S. 60° W. for 3 chs., thence S. 20° W., 4 chs. to top of small knoll; desc. 120 ft. over a series of low spurs and minor drains putting W.
40.00	<p>Point for the ¼ sec. cor. of secs. 16 and 17, on top of small spur.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">¼ S 17 S 16 1956</p> <p>Desc. 160 ft. over broken N. slope.</p>
52.50	Wash, 40 lks. wide, 4 ft. deep, course W.; asc. 80 ft. over S. slope.
56.00	Spur, slopes W.; desc. 40 ft. along W. slope.
61.00	Slope changes to NW.; desc. 200 ft.
70.00	Small wash, course NW.; along a W. slope.
72.00	Wash, course SW. to fork with wash from SE. at 2 chs. dist.; asc. 120 ft. over SE. slope.
80.00	<p>Point for the cor. of secs. 8, 9, 16 and 17, falls on a ledge where the corner cannot be monumented.</p> <p>Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper.</p>
.06	<p>N. 0° 03' W., bet. secs. 8 and 9.</p> <p>Over broken land draining S. and SW.</p> <p>Point selected for the witness cor. of secs. 8, 9, 16 and 17.</p>

. Portion of the Subdivision of T. 31 S., R. 14 E.

Chains

39.01 Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T31S R14E

S8 | S9

S17 | S16

W C

1956

Asc. 1000 ft. over steep broken S. to SE. slope and high cliff.

31.00 A point of Big Ridge, 5 chs. wide, projects W., 10 chs. to end; desc. 380 ft. over cliff and steep N. slope.

39.54 Point selected for the witness ¼ sec. cor. of secs. 8 and 9.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

¼

W C

S 8 | S 9

1956

Continue over steep N. slope.

40.00 Point for the ¼ sec. cor. of secs. 8 and 9, falls on a small ledge where the corner cannot be monumented.

Desc. 680 ft. over broken N. slope into Happy Canyon.

76.00 Wash, in the bottom of Happy Canyon, 50 lks. wide, 10 ft. deep, course W.; asc. 100 ft. over S. slope.

80.00 Point for the cor. of secs. 4, 5, 8 and 9.

Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T31S R14E

S5 | S4

S8 | S9

1956

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper.

N. 0° 03' W.; bet. secs. 4 and 5.

Over broken land; asc. 480 ft. over S. slope.

21.50 S. crest of bench, bears E. and SW.; asc. 60 ft. over top of bench.

35.00 Base of W. slope; asc. 40 ft. along W. slope.

Chains

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5, falls on W. slope, where the corner cannot be perpetuated.

40.20 Bladed road, bears NW. and SE.

40.73 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 4 and 5.

Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone, $4\frac{1}{2}$ ft. base to top, with brass cap mkd.



Continue along broken W. slope.

46.00 Desc. NW. slope.

49.20 Same bladed road, bears N. 20° E. and S. 40° W.; desc. 50 ft. along broken NW. slope.

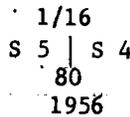
55.00 Thence over W. slope.

69.90 Curve in same road, bears N. 30° E. and S. 10° E.; desc. 200 ft. over broken NW. slope.

76.30 Wash, 30 lks. wide, 2 ft. deep, course S. 60° W.; asc. 50 ft. over SE. slope.

80.00 Point for the $\frac{1}{16}$ sec. cor. of secs. 4 and 5.

Set an iron post, 30 ins. long, 1 in. diam., 5 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.



Asc. 190 ft. over broken SE. slope.

86.10 Same road, bears S. 70° W. and E.; asc. 290 ft. over steep SE. slope.

97.00 Asc. 400 ft. abruptly over SE. face of high ledges.

100.00 Point for the $\frac{1}{16}$ sec. cor. of secs. 4 and 5, falls on face of same ledges where the corner cannot be monumented.

100.30 N. rim of Happy Canyon, bears NE. and SE.; thence over broken top of high bench.

100.38 Point selected for the witness $\frac{1}{16}$ sec. cor. of secs. 4 and 5.

Set an iron post, 30 ins. long, 1 in. diam., over an (X) on sandstone surface, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

Portion of the subdivision of T. 31 S., R. 14 E.

C. 110.17

Asc. 30 ft. over broken top of bench, through scattered timber.

$\frac{1}{16}$
 S 5 ↓ S 4
 W C
 100
 1956

110.17

Intersect the Sixth Standard Parallel South in Range 14 East, at point for the closing cor. of secs. 4 and 5.

Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T30S R14E
 S33
 S 5 | S 4
 T31S R14E
 C C
 1956

From this corner, the true point for the standard cor. of sec. 33 and 34, T. 30 S., R. 14 E. bears East, 13.08 chs. dist., from which its witness cor. bears West, 3.87 chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, rough and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

At proportionate distance between the closing cor. of secs. 1 and 6 on the E. bdy. of the township, and the closing cor. of secs. 4 and 5, point for the cor. of secs. 1 and 2.

Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T30S R14E
 S36
 S 2 | S 1
 T31S R14E
 1956

From this corner, the standard cor. of Ts. 30 S., Rs. 14 and 15 E. bears East, 13.22 chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

At proportionate distance between the closing cor. of secs. 1 and 6 on the E. bdy. of the township, and the closing cor. of secs. 4 and 5, point for the ¼ sec. cor. of sec. 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 7 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

$\frac{1}{4}$ S 2
 1956

From this corner, the standard ¼ sec. cor. of sec. 36, T. 30 S., R. 14 E., bears East, 13.20 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

Chains

At proportionate distance between the closing cor. of secs. 1 and 2 on the E. bdy. of the township and the closing cor. of secs. 4 and 5, point for the cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T30S R14E
 S35
 S 3 | S 2
 T31S R14E
 1956

From this corner, the standard cor. of secs. 35 and 36, T. 30 S., R. 14 E. bears East, 13.18 chs. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 2 and 3, on the N. bdy. of the township. S. 0° 01' E., bet. secs. 2 and 3.

Over broken bottom of Happy Canyon; asc. 225 ft. over steep N. slope.

6.50 N. edge of spur, bears E. and S. 80° W.; thence over top of spur, projecting W.

10.36 Point for the 1/16 sec. cor. of secs. 2 and 3.

Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

1/16
 S 3 | S 2
 100
 1956

Continue over top of spur.

21.50 S. crest of same spur, bears W. and S. 70° E.; desc. 200 ft. over broken SW. slope.

30.36 Point for the 1/16 sec. cor. of secs. 2 and 3, at a distance of 80 chains from the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

1/16
 S 3 | S 2
 80
 1956

Desc. 40 ft. over broken S. slope.

35.00 Wash, 30 lks. wide, 3 ft. deep, course S. 30° W.; asc. 320 ft. over broken N. slope.

61.40 Bladed road, bears S. 40° W. and N. 60° E.; asc. 380 ft. over steep talus N. slope.

Portion of the Subdivision of T. 31 S., R. 14 E.

Chains	
73.36	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, falls on steep N. slope, where the corner cannot be monumented.
73.88	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	$\frac{1}{4}$ W C S 3 \uparrow S 2 1956
	Asc. 360 ft. abruptly over ledges facing N. on N. end of a high point projecting from S.
80.00	Top of N. end of high point; thence over broken top of point.
98.64	Point selected for the witness cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 36 ins. long, 1 in. diam., over an (X) cut in sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T31S R14E S3 S2 --- S10 S11 W C 1956
	Continue over top of point.
97.50	Top of vertical sandstone wall, bears N. 20° W. and S. 20° E.; desc. about 400 ft. over SW. slope.
110.36	Point for the cor. of secs. 2, 3, 10 and 11, falls on inaccessible ledges where the corner cannot be monumented.
	Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered juniper.
	S. 89° 56' E., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 5, 8 and 9, as specified in the special instructions.
	Over rough and broken breaks of Happy Canyon; asc. about 560 ft. over ledges and high cliff, facing SW.
10.00	W. edge of a point of Big Ridge, extends NW. from SE.; thence over top of point.
12.50	E. edge of same point; desc. 1100 ft. over high cliff and steep slope, facing NE.
35.00	Bladed road, bears N. 50° W. and S. 20° E. for 6 chs., thence E.; desc. 40 ft. over E. slope.
38.00	Wash, 10 lks. wide, 1 ft. deep, course N. 30° W.; asc. 60 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Chains

Cont'd

Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{2}$ S 2

S11

1956

Asc. 60 ft. over broken W. slope.

42.50 Same road, bears N. 20° E. and S. 20° W.; asc. 1150 ft. over broken ledgy W. slope.

58.50 Slope changes to SW.

73.00 W. rim of a high inaccessible point extending N. from Big Ridge; thence over top of point.

79.00 E. rim of same point, bears N. and S.; desc. abruptly over high cliff and steep ledgy E. slope.

80.00 Point for the cor. of secs. 1, 2, 11 and 12, falls in inaccessible ledges, facing E., where the corner cannot be monumented.

From this point, the point selected for the witness cor. of secs. 1, 2, 11 and 12, bears S. 89° 56' E., 5.08 chs. dist.

Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R14E

W S2 | S1

C S11 | S12

1956

The witness cor. is located at the base of a 400 ft. wall, facing E.

Land, rough and broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper.

N. 0° 04' W., bet. secs. 1 and 2.

Along E. face of high rim.

16.00 Desc. 730 ft. over ledges on steep talus NE. slope.

35.00 Drain, course N. 80° E.; desc. 40 ft. along E. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 2.

Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{2}$

S 2 | S 1

1956

40.10 Bladed road, bears S. 30° E. and W.; desc. 160 ft. over N. slope.

52.50 Wash, 30 lks. wide, 2 ft. deep, course N. 70° W.; asc. 750 ft. over broken and ledgy SW. slope.

Part of the Subdivision of T. 51 S., R. 14 E.

Chains	
28.00	Top of high narrow point, extending W. about 20 chs. to end; also 240 ft. over ledges, facing N.
80.00	Point for the 1/16 sec. cor. of secs. 1 and 2, falls in inaccessible ledges, where the corner cannot be monumented.
82.02	Point selected for the witness 1/16 sec. cor. of secs. 1 and 2. Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.
	<p style="text-align: center;">1/16. S 2 S 1 ↓ W.C. 80 1956</p>
	Corner is located at base of ledge, facing N. Desc. 560 ft. over steep talus N. slope.
100.00	Point for the 1/16 sec. cor. of secs. 1 and 2. Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.
	<p style="text-align: center;">1/16 S 2 S 1 ↓ 100 1956</p>
	Desc. 40 ft. over N. slope.
102.50	Wash, 20 lks. wide, 1 ft. deep, course N. 70° W.; asc. 100 ft. over broken SW. slope.
110.45	The cor. of secs. 1 and 2, heretofore described. Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered juniper.
	From the cor. of secs. 16, 17, 20 and 21.
	S. 89° 58' E., bet. secs. 16 and 21.
	Over broken land, draining N.; desc. 80 ft. along broken N. slope.
17.00	Wash, 20 lks. wide, 1 ft. deep, course N. 75° W.; asc. 360 ft. over broken SW. slope.
30.00	Bladed road, bears N. and S.
32.00	W. crest of bench, bears NW. and SE.; thence over top of bench.
35.50	Base of steep ascent, bears N. and S.; asc. 200 ft. over steep W. slope.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 21.

Portion of the Subdivision of T. 31 S., R. 14 E.,

Chains	Station
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4½ ft. base to top, with brass cap mkd.	10.00
$\begin{array}{c} S 16 \\ \frac{1}{4} \\ S 21 \end{array}$	10.28
Asc. 40 ft. over steep W. slope. Base of abrupt ledges, bears S. and NE.; asc. 480 ft.	43.00
Top of rim, bears SW. and N. Enter scattered timber; asc. 80 ft. over rolling top of Buck Acre Point.	57.00
Point for the cor. of secs. 15, 16, 21 and 22.	80.00
Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a collar of stone, with brass cap mkd.	
$\begin{array}{c} T31S R14E \\ S16 S15 \\ S21 S22 \\ 1956 \end{array}$	
Land, rough and broken; Soil, sand and exposed sandstone. Timber, scattered juniper.	
N. 0° 02' W., bet. secs. 15 and 16.	
Over rolling top of Buck Acre Point, through scattered timber; desc. 50 ft. over gentle N. slope.	
16.50 N. rim of Buck Acre Point, bears E. and W.; desc. 400 ft. over ledges facing N.	
23.00 Base of ledges; desc. 200 ft. over steep N. slope.	
28.00 Slope changes to W.; desc. 80 ft.	
37.50 Drain, course W.; continue along W. slope.	
39.50 Point selected for the witness ¼ sec. cor. of secs. 15 and 16.	
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.	
$\begin{array}{c} \frac{1}{4} \\ W C \\ S 16 \uparrow S 15 \\ 1956 \end{array}$	
Desc. 40 ft. along W. slope.	
40.00 Point for the ¼ sec. cor. of secs. 15 and 16, falls in small drain, course W., where the corner cannot be monumented.	
Continue along W. slope.	

Portion of the Subdivision of T. 31 S., R. 14 E.

Chains

- 46.00 S. edge of flat spur, projects N. 15° W., 21' chs.; thence over flat top.
- 62.50 N. edge of flat spur, bears NW. and SE.; desc. 320 ft. over NE. slope.
- 75.00 Slope changes to NW.
- 80.00 Point for the cor. of secs. 9, 10, 15 and 16.
Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T31S R14E

S9|S10

S16|S15

1956

Land, rough and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

N. 89° 58' W., bet. secs. 9 and 16.

Over broken land; desc. 90 ft. along W. slope.

- 3.00 Wash, 30 lks. wide, 2 ft. deep, course S. irregularly; desc. 30 ft. along broken S. slope.
- 39.52 Point selected for the witness ¼ sec. cor. of secs. 9 and 16.
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

W ← S 9
C ¼ ← S 16
1956

Continue along broken S. slope.

- 40.00 Point for the ¼ sec. cor. of secs. 9 and 16, falls on face of small ledge where the corner cannot be monumented.
- 55.00 Spur, slopes S.; desc. 170 ft. over W. slope.
- 65.00 Drain, course S.; asc. 150 ft. over E. slope.
- 71.00 Spur, slopes S.; desc. 200 ft. over broken W. slope.
- 75.50 Drain, course S. 15° W.; asc. SE. slope.
- 80.00 The true point for the cor. of secs. 8, 9, 16 and 17.

Land, rough and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the survey of T. 32 S., R. 14 E.

Portion of the Subdivision of R. 31 S., R. 14 E.

Chains	Elevations
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken land; asc. 240 ft. over ledgy SE. slope.
4.50	Spur, slopes NE.; desc. 280 ft. over steep ledgy NW. slope.
13.50	Base of steep descent; desc. slightly to bottom of Dirty Devil River Canyon.
30.00	Dirty Devil River, 3 chs. wide, 4 ft. banks, with water 4 ins. deep, course E.; asc. 50 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	$\frac{1}{4}$ S 31 S 32 1956
	Asc. 10 ft. over W. slope.
43.00	Wash, course S. 40° W. to river; asc. 100 ft. over S. slope.
57.50	Spur, slopes SW.; desc. 130 ft. over NW. slope.
71.00	Dirty Devil River, 3 chs. wide, 4 ft. banks, with water 4 ins. deep, course S. 50° W. Continue over sandy river bottom.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.
	T31S R14E S30 S29 S31 S32 1956
	Land, broken breaks and bottom of the Dirty Devil River. Soil, sand and exposed sandstone and sandy river bottom. No timber.
	From the cor. of secs. 28, 29, 32 and 33.
	N. 89° 55' W., bet. secs. 29 and 32.
	Over broken land; desc. 320 ft. over steep NW. slope.
10.00	Thence along a N. slope.
15.00	Asc. 120 ft. over NE. slope.
22.00	Spur, slopes NW.; desc. 200 ft. over W. slope.
32.00	Wash, course NW.; desc. 160 ft. over NW. slope.
35.38	Point selected for the witness ¼ sec. cor. of secs. 29 and 32.

Portion of the Subdivision of T. 31 S., R. 14 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) cut in sandstone surface, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

$$\begin{array}{c} W \\ C \frac{1}{2} \end{array} \leftarrow \begin{array}{c} S 29 \\ S 32 \end{array}$$

1956

Desc. 120 ft. over broken NW. slope to wash.

- 39.99 Point for the ½ sec. cor. of secs. 29 and 32, falls on ledgy slope, where the corner cannot be monumented.
- 43.00 Wash, course S.; asc. 120 ft. over broken SE. slope.
- 52.50 Spur, slopes SW.; desc. 100 ft. over broken SW. slope.
- 59.00 Base of slope, bears N. and S.; thence over sandy river bottom.
- 73.00 Dirty Devil River, 3 chs. wide, 4 ft. bank, with water 4 ins. deep, course S. 10° W.; continue over river bottom.
- 79.98 The cor. of secs. 29, 30, 31 and 32.

Land, broken.
Soil, sand and exposed sandstone.
No timber.

GENERAL DESCRIPTION

The land in T. 31 S., R. 14 E. consists principally of broken bench land in the bottom of the canyons and high mesas. The Dirty Devil River, the only permanent source of water noted during the survey, flows south through the west portion of the township, draining the entire township. The main canyons are Happy Canyon, which drains the northeast portion of the township, and North and South Hatch Canyons, draining the southeast portion of the township. These canyons all drain westerly to the Dirty Devil River.

The Big Ridge, a high mesa, enters the township on the east boundary of section 12 and extends southwest, ending at Buck Acre Point in section 28.

The elevation ranges from about 3760 feet above sea level at the Dirty Devil River to 6300 feet on top of the Big Ridge.

The soil consists of shallow sand and numerous sandstone outcrops and the timber consists of scrub juniper and pinon.

A road enters the township on the west boundary of section 19, crosses the Dirty Devil River, and ends in section 16 at a uranium claim being developed at the time of survey.

No sources of good water were found within the township. The nearest suitable source of drinking water is at a spring in Poison Springs Canyon, located in section 8, T. 31 S., R. 13 E.

CERTIFICATE OF CADASTRAL ENGINEER

I, Craip P. Sylvester, Cartographic Survey Aid, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 17th day of March
I have surveyed the East boundary and a portion of the subdivisional lines of Town
31 South, Range 14 East.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 4, 1957
Salt Lake City, Utah

Craig P. Sylvester
Craig P. Sylvester, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., 19

The foregoing field notes of the survey of

executed by
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES

CAPACITY

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, _____, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 17th day of March

I have supervised the survey of the east boundary and a portion of the subdivi
lines of Township 31 South, Range 14 East

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed under my supervision; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the fore
field notes.

February 4, 1957
Salt Lake City, Utah

Vern E. Lane
Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 17 1957

The foregoing field notes of the survey of the east boundary and a portion of the sub
divisional lines of T. 31 S., R. 14 E.

executed by Craig P. Sylvester, under the supervision of Vern E. Lane
having been critically examined and found correct, are hereby approved.

Donald B. Cennel
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of the East Boundary

and

Portion of the Subdivision

of

Township 31 South, Range 15 East

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Craig P. Sylvester, Cartographic Survey Aid

Donald A. Cannon, Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided

for the surveys included under Group No. 400, approved April 4, 1955

and assignment instructions dated April 23, 1956

Survey commenced September 14, 1956

Survey completed October 11, 1956

INDEX DIAGRAM

Township 31 South, Range 15 East

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T. 31 S., R. 15 E.

Chains

The Sixth Standard Parallel South, through R. 15 E., was surveyed by Charles F. Moore in 1934. The west boundary was surveyed concurrently with the survey of this township and appears in the field notes of T. 31 S., R. 14 E. The south boundary was surveyed concurrently with this survey and appears in the field notes of T. 32 S., R. 15 E.

The following field notes are those of the survey of the east boundary and portion of the subdivision of T. 31 S., R. 15 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with Buff and Buff solar transit number 26066, and Gurley solar transit number 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivision corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment. The horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of the township is latitude $38^{\circ} 03' 33.9''$ N. and longitude $110^{\circ} 12' 05.2''$ W. as determined by traverse from U.S.G.S. Triangulation Station "Orange" located in sec. 32, T. 32 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be $15^{\circ} 00' E.$

Survey of the East Boundary, T. 31 S., R. 15 E.

Beginning at the cor. of Ts. 31 and 32 S., Rs. 15 and 16 E., an iron post, $2\frac{1}{2}$ ins. diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 15 E.

North, on the E. bdy. of sec. 36.

Chains

Over broken land through scattered juniper.

10.50 Rim, 10 ft. high, bears N. 20° E. and S. 30° W.; desc. 170 ft. over steep NW. slope.

19.00 Drain, course W.; asc. 90 ft. over SW. slope.

27.70 Rim of flat top spur projecting N.; bears W. and S. 30° E.; thence over top of spur.

40.00 Point for the 1/4 sec. cor. of sec. 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 2 1/2 ft. base to top, with brass cap marked

T31S
R15E
1/4
S36
1956

Continue over top of spur.

54.70 The S. lower rim of South Hatch Canyon, bears N. 70° W. and S. 70° W.; desc. 280 ft. over broken N. slope.

79.70 Wash, in bottom of South Hatch Canyon, 30 lks. wide, 2 ft. deep, course N. 70° W. Unimproved road traverses along the bottom of wash.

80.00 Point for the cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 2 1/2 ft. base to top, with brass cap marked

T31S T31S
S25 S19
S36
R15E R16E
1956

Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

North, on the E. bdy. of sec. 25.

Over broken bottom of South Hatch Canyon, through scattered juniper; asc. 60 ft. over SW. slope.

11.80 Base of steep ascent, bears N. 30° W. and SE.; asc. 230 ft. over steep SW. slope.

38.60 Spur, slopes NW. from SE.; desc. 20 ft. over NE. slope abruptly.

40.00 Point for the 1/4 sec. cor. of sec. 25.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

East Boundary, T. 31 S., R. 15 E.

T31S
R15E
¼
S25
1956

Continue over NE. slope; desc. 120 ft.

45.90 Drain, course N. 70° W.; asc. 20 ft. over SW. slope.

57.80 Spur, slopes N. 70° W.; desc. 80 ft. over NW. slope.

68.00 Wash, 10 lks. wide, 2 ft. deep, course SW.; asc. 260 ft. over SE. slope.

80.00 Point for the cor. of secs. 24 and 25.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S | T31S
S24 | S18
S25
R15E | R16E
1956

Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper.

North, on the E. bdy. of sec. 24.

Over broken land, through scattered timber; asc. 760 ft. over steep SE. slope and high cliff.

21.30 S. rim of the Big Ridge, bears N. 40° E. and S. 40° W.; thence over broken top of Big Ridge through dense timber.

40.00 Point for the ¼ sec. cor. of sec. 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to bedrock and in a mound of stone, 2½ ft. base to top, with brass cap marked

T31S
R15E
¼
S24
1956

Continue over top of Big Ridge; asc. 10 ft. over S. slope.

48.10 Top of ascent on top of Big Ridge, bears E. and W.; desc. 80 ft. over rolling NE. slope.

67.90 Bladed road, bears N. 30° W. and SE.; desc. 70 ft. over Big Ridge.

80.00 Point for the cor. of secs. 13 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked

East Boundary, T. 31 S., R. 15 E.

Notes

29.50 The closing cor. of Sec. 30 and 31 S., R. 15 E., an iron post, 2 1/2 ins. diam., set, marked and witnessed as described in the field notes of T. 31 S., R. 16 E.

29.50 Wash, 10 lks. wide, 2 ft. deep, course E.; asc. 40 ft. over SE. slope.

40.00 Point for the sec. cor. of sec. 12

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S
R15E
1/2
S12
1956

Continue over broken SE. slope; asc. 280 ft.

61.00 Top of ascent on broken slope facing E.; desc. 240 ft. over steep NE. slope.

80.00 Point for the cor. of secs. 1 and 12, falls on large boulder where the corner cannot be monumented.

Land, broken
Soil, sand and exposed sandstone.
Timber, medium juniper and pinon.

North; on the E. bdy. of sec. 1.

Over broken land through scattered timber; desc. over steep NE. slope.

.26 Point selected for the witness cor. of secs. 1 and 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S | T30 1/2 S
S 1 | S31
S12
R15E | R16E
W C
1956

13.80 Base of steep descent, 120 ft. below the witness cor., bears W. and S. 70° E.; desc. 50 ft. over rolling bench in the bottom of the South Fork of Happy Canyon.

40.00 Point for the 1/2 sec. cor. of sec. 1.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground to bedrock and in a mound of stone, 2 ft. base to top, with brass cap marked

T31S
R15E
1/2
S 1
1956

Continue over bench.

East Boundary, T. 31 S., R. 15 E.

Chains		
46.00	Crest of bench, bears E. and W.; desc. 250 ft. over steep broken slope.	
56.00	Wash, in bottom of South Fork of Happy Canyon, course N. 80° W.; asc. 280 ft. over steep SE. slope.	
72.00	Top of steep ascent, bears SW. and E.; thence over rolling bench.	
80.00	Point for the 1/16 sec. cor. of sec. 1. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked	
		T31S R15E 1/16 S 1 80 1956
	Asc. 50 ft. over rolling bench.	
92.00	Base of steep ascent, bears E. and W.; asc. 680 ft. over steep S. slope, and ledges facing S.	
106.00	Top of rim, facing S.; thence along W. slope of point, extending from N.	
110.28	Intersect the Sixth Standard Parallel South. Point for the closing cor. of Ts. 30½ and 31 S., Rs. 15 and 16 E. Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface and in a mound of stone, 3½ ft. base to top, with brass cap marked	
		T30S R16E S 31 S 1 R15E R16E C C 1956
	From this closing corner, the true point for the standard cor. of secs. 31 and 32, T. 30 S., R. 16 E., bears East, 16.28 chs. dist., from which its witness cor. bears West, 8.14 chs. dist., an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.	
	Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinon.	

Survey of a Portion of Subdivision of T. 31 S., R. 15 E.

From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township, an iron post, 2½ ins. diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 15 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken bottom of South Hatch Canyon, through scattered timber, asc. 150 ft. over NE. slope.

Portion of the Subdivision, T. 31 S., R. 15 E.

40.00

Spur, slopes E. from S. 30° W.; desc. 180 ft. over broken NE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked.

T31S R15E

$\frac{1}{4}$

S35 | S36

1956

Desc. 150 ft. over N. slope.

53.20

Wash, in bottom of South Hatch Canyon, 30 lks. wide, 4 ft. deep, course S. 80° W. An unimproved road traverses along the bottom of the wash; asc. 60 ft. over S. slope.

64.90

Spur, slopes SW., 6 chs. to end; desc. 50 ft. over NW. slope.

71.90

Wash, 10 lks. wide, 3 ft. deep, course S. 30° W.; asc. 20 ft. over SE. slope.

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E

S26 | S25

S35 | S36

1956

Land, broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper.

From the cor. of secs. 25 and 36, on the E. bdy. of the township.

N. 89° 58' W., bet. secs. 25 and 36.

Over broken land in bottom of South Hatch Canyon; desc. 10 ft. over SW. slope.

.30

Wash in South Hatch Canyon, with an unimproved road in bottom, 20 lks. wide, 2 ft. deep, course N. 70° W.; asc. 30 ft. over NE. slope.

17.00

Top of ascent, bears NW. and SE.; desc. 70 ft. over rolling bench.

40.05

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked

T31S R15E

$\frac{1}{4}$ S25

S36

1956

Continue over bench; desc. 40 ft.

Chains	
49.80	Wash, in South Hatch Canyon, 30 lks. wide, 2 ft. deep, course S. 10° E.; thence over series of low spurs and drains putting southerly. Unimproved road in bottom of wash.
73.00	Wash, 10 lks. wide, 2 ft. deep, course SW.
80.10	The cor. of secs. 25, 26, 35, and 36. Land, broken and rolling. Soil, sand and exposed sandstone. Timber, scattered juniper.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the township, an iron post, 2½ ins. diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 15 E. N. 0° 02' W., bet. secs. 33 and 34. Over rolling land draining northerly; desc. 110 ft. over N. slope.
25.40	South Hatch Canyon Wash, 40 lks. wide, 2 ft. deep, course W.; asc. 40 ft. over rolling S. slope.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked T31S R15E ¼ S33 S34 1956
	Continue over rolling S. slope; asc. 20 ft.
52.50	Small wash, course SW.; asc. 80 ft. over S. slope.
73.00	Base of steep talus slope; asc. 110 ft. over S. slope.
80.00	Point for the cor. of secs. 27, 28, 33, and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked T31S R15E S28 S27 S33 S34 1956 Land, rolling. Soil, sand and exposed sandstone. No timber.
18.80	N. 0° 02' W., bet. secs. 27 and 28. Over broken land; asc. 860 ft. over steep SE. slope and high cliff, facing S. Top of narrow island mesa, dividing N. and S. Hatch Canyons, bears E. and W.; desc. 910 ft. over high cliff and steep talus N. slope.

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains
49.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T315 R15E

$\frac{1}{4}$

S28 | S27

1956

Desc. 160 ft. over rolling N. slope in bottom of North Hatch Canyon.

55.80

Wash, 20 lks. wide, 3 ft. deep, course NW.; desc. 80 ft. over rolling N. slope.

80.00

Point for the cor. of secs. 21, 22, 27, and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap marked

T315 R15E

S21 | S22

S28 | S27

1956

Land, broken and rolling.

Soil, sand and exposed sandstone.

Timber, none.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling bottom of North Hatch Canyon; desc. 150 ft. over N. slope.

28.30

Wash, 20 lks. wide, 2 ft. deep, course N. 60° W., desc. 30 ft. over W. slope.

33.30

Wash, 20 lks. wide, 4 ft. deep, course W., desc. 10 ft. over W. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap marked

T315 R15E

$\frac{1}{4}$

S21 | S22

1956

Desc. 60 ft. over rolling land, draining westerly.

52.30

North Hatch Canyon Wash, 50 lks. wide, 5 ft. deep, course W.; asc. 20 ft. over S. slope.

54.30

Bladed road, bears S. 60° W. and N. 20° E., 7 chs., on curve to W.; thence over low bench.

63.30

Same road, bears N. 80° W. and S. 80° E.; asc. 190 ft. over steep S. slope.

71.80

Top of rim, bears E. and W.; thence over rolling bench.

78.00

Same rim, bears S. 50° W. and N. 10° E.; desc. 75 ft. over rim.

80.00

Point for the cor. of secs. 15, 16, 21, and 22.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E
S16 | S15
S21 | S22
 1956

Land, rolling.
 Soil, sand and exposed sandstone.
 Timber, scattered juniper,

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling bench land; asc. 75 ft. over S. slope.

3.50 Rim, bears W. and S. 10° E.; thence over rolling bench.

8.30 Bladed road, bears N. 80° W. and S. 80° E.; desc. 20 ft. over rolling bench.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E
 ¼
S16 | S15
 1956

Continue over rolling bench along foot of steep talus W. slope.

53.00 Wash, course SW.

60.00 Base of steep S. slope, bears E. and W.; asc. 780 ft. over steep talus S. slope and high cliff, facing S.

74.40 Rim, bears E. and W.; asc. 20 ft. over rolling top of Big Ridge, enter medium timber.

80.00 Point for the cor. of secs. 8, 10, 15, and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 2½ ft. base to top, with brass cap marked

T31S R15E
S9 | S10
S16 | S15
 1956

Land, rolling and broken.
 Soil, sand and exposed sandstone.
 Timber, medium growth of juniper and pinon.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling top of Big Ridge, through medium timber; asc. 20 ft. over S. slope.

3.90 Bladed road to Two Pipe Spring, bears S. 70° E. and N. 70° W.; asc. 50 ft. over S. slope.

14.00 Bladed road, bears E. and W.; asc. 150 ft. over S. slope.

26.50 Top of ascent on sandstone butte, bears E. and W.; desc. 190 ft. over N. slope.

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains
40.00Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E

 $\frac{1}{4}$

S9 | S10

1956

Desc. 70 ft. over rolling N. slope.

56.20 Bladed road, bears N. 30° W. and S. 30° E.; desc. 40 ft. over N. slope.

62.00 Wash, in head of ravine, 20 lks. wide, 3 ft. deep, course E.; asc. 30 ft. over S. slope.

65.20 Same road, bears NE. and SW.; asc. 40 ft. over rolling SE. slope.

80.00 Point for the cor. of secs. 3, 4, 9, and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap marked

T31S R15E

S 4 | S 3.

S 9 | S10

1956

Land, rolling.

Soil, sand.

Timber, medium growth of juniper and pinon.

N. $0^\circ 02'$ W., bet. secs. 3 and 4.

Over rolling top of Big Ridge, through medium timber; desc. 70 ft. over N. slope.

16.00 Bladed road, bears N. 70° W. and S. 70° E.18.80 S. rim of Happy Canyon, bears N. 10° W. and S. 10° E.; desc. 840 ft. over high cliff, facing NE. and steep NE. slope.40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E

 $\frac{1}{4}$

S3 | S4

1956

Desc. 160 ft. over steep NE. slope.

52.00 Bladed road, bears S. 80° W. and N. 80° E.; desc. 150 ft. over broken NE. slope.80.00 Point for the $\frac{1}{16}$ sec. cor. of secs. 3 and 4.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E

1/16

S4 | S3

80

1956

Desc. 120 ft. over broken NE. slope.

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains

97.10 Wash, in bottom of South Fork of Happy Canyon, 50 lbs. wide, 4 ft. deep, course N. 80° W.; asc. 210 ft. over broken SW slope.

106.40 Top of steep ascent, bears NW. and E.; asc. 50 ft. over top of bench.

110.06 Intersect the Sixth Standard Parallel South.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top; with brass cap marked

T30S R15E
 S 34
 S4 | S3
 T31S R15E
 C C
 1956

From this closing cor. the standard cor. of secs. 34 and 35, T. 30 S., R. 15 E., bears East, 16.58 chs. dist., an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

Land, broken.
 Soil, sand and exposed sandstone.
 Timber, scattered juniper.

At proportionate dist. between the closing cor. of Ts. 31 S., Rs. 15 and 16 E., and the closing cor. of secs. 3 and 4, point for the cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked.

T30S R15E
 S 36
 S2 | S1
 T31S R15E
 1956

From this cor., the standard cor. of T. 30 S., Rs. 15 and 16 E., bears East, 16.38 chs. dist., an iron post, 3 ins. diam., set, marked and witnessed as described in the official record.

At proportionate distance between the closing corner of Ts. 31 S., Rs. 15 and 16 E. and the closing corner of secs. 3 and 4, point for the ¼ sec. cor. of sec. 2.

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T30S R15E

¼ S 2

T31S R15E

1956

From this cor. the standard ¼ sec. cor. of sec. 36, T. 30 S., R. 15 E., bears East, 16.43 chs. dist., from which its witness cor. bears West, 3.68 chs. dist., an iron post, 1 in. diam., set, marked and witnessed as described in the official record.

At proportionate dist., bet. the closing cor. of Ts. 31 S., Rs. 15 and 16 E., and the closing cor. of secs. 3 and 4, point for the cor. of secs. 2 and 3, falls on inaccessible high ledges and cannot be monumented.

The point selected for the witness cor. of secs. 2 and 3, bears East, 3.34 chs. dist.

At the witness cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface and in a mound of stone, 3½ ft. base to top, with brass cap marked

T30S R15E

W S 35

C S3 S2

T31S R15E

1956

From the point for the cor. of secs. 2 and 3, the point for the standard cor. of secs. 35 and 36, T. 30 S., R. 15 E., bears East, 16.48 chs. dist., from which its witness cor. bears East, 72 lks. dist., an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

From the true point for the cor. of secs. 2 and 3, on the N. bdy. of the township.

S. 0° 01' E., bet. secs. 2 and 3.

Over broken land; desc. 610 ft. over ledges, facing SW. and steep SW. slope.

19.50 Wash, course W.; asc. 200 ft. over steep talus N. slope.

30.13 Point for the 1/16 sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

Chains

marked

T31S R15E
 1/16
 S3 | S2
 80
 1956

Asc. 620 ft. over steep N. slope and high ledges, facing N.

54.50

Top of a high point, extending W. from Big Ridge; desc. 800 ft. over high ledges facing S. and steep S. slope.

70.13

Point for the 1/4 sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E
 1/4
 S3 | S2
 1956

Desc. 50 ft. over broken S. slope.

80.50

Small wash, course W.; asc. 800 ft. over broken N. slope and ledges, facing NE.

107.00

Top of rim, bears N. 30° W. and E.; asc. 40 ft. over broken N. slope on top of Big Ridge.

110.13

Point for the cor. of secs. 2, 3, 10, and 11, at a dist. calculated to intersect a parallel connecting the cor. of secs. 1 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9, and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 1/2 ft. base to top, with brass cap marked

T31S R15E
 S3 | S2
 S10 | S11
 1956

Land, broken.
 Soil, sand and exposed sandstone.
 Timber, scattered juniper and pinon.

S. 89° 57' E., bet. secs. 2 and 11.

Over broken land, through medium timber; asc. 120 ft. along S. rim of Happy Canyon.

22.00

Spur, slopes N.; asc. 50 ft. along S. rim of Happy Canyon.

36.50

Spur, slopes N.; desc. 50 ft. over E. slope.

40.00

Point for the 1/4 sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap marked

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains

T31S R15E

 $\frac{1}{4}$

S 2
S 11

1956

Asc. 80 ft. over S. rim of Happy Canyon.

48.00

Leave rim, which turns to N.; asc. 280 ft. over broken W. slope.

59.00

W. rim of sandstone butte, bears N. and S.; thence over level top of butte.

69.50

E. rim of same butte, bears N. and S.; desc. 110 ft. over E. slope.

80.00

Point for the cor. of secs. 1, 2, 11, and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a collar of stone to top, with brass cap marked

T31S R15E

S 2	S 1
S 11	S 12

1956

Land, broken.

Soil, sand and exposed sandstone.

Timber, medium growth of juniper and pinon.

N. $0^{\circ} 07'$ E., bet. secs. 1 and 2.

Over rolling top of Big Ridge, through dense timber; asc. 100 ft. over N. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 19 ins. in the ground and in a collar of stone to top, with brass cap marked

T31S R15E

 $\frac{1}{4}$

S 2	S 1
-----	-----

1956

Continue over rolling land.

48.30

Desc. 160 ft. over broken N. slope.

69.70

S. rim of the South Fork of Happy Canyon, bears E. and W.; desc. 600 ft. over high cliff and steep talus N. slope.

80.00

Point for the $1/16$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked

T31S. R15E

1/16

S 2	S 1
-----	-----

1956

Over rolling bench in bottom of the South Fork of Happy Canyon; desc. 110 ft. along E. slope.

Chains
110.08

The cor. of secs. 1 and 2, on the N. bdy. of the township, previously described.

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, dense growth of juniper and pinon on Big Ridge, scattered juniper in the canyons.

From the cor. of secs. 15, 16, 21, and 22.

N. 89° 59' W., bet. secs. 16 and 21.

Over rolling land in the bottom of North Hatch Canyon; desc. 160 ft. over SW. slope.

9.50 Wash, 10 lks. wide, 3 ft. deep, course SW.; desc. 70 ft. along S. slope.

33.80 Wash, 20 lks. wide, 3 ft. deep, course SW.; asc. 20 ft.

40.00 Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked

T31S R15E
S 16
—
S 21
1956

Desc. 70 ft. along rolling S. slope.

62.00 Spur, projects S.; continue along S. slope.

80.00 Point for the cor. of secs. 16, 17, 20, and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E
S17|S16
—|—
S20|S21
1956

Land, rolling.
Soil, sand and shale.
Timber, scattered juniper.

From the cor. of secs. 9, 10, 15, and 16.

N. 89° 59' W., bet. secs. 9 and 16.

Over rolling top of Big Ridge, through dense timber; asc. 30 ft. over slight SE. slope.

28.10 Top of ascent, bears N. and S.; desc. 50 ft. over rolling W. slope.

40.00 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains

T31S R15E

S 9

S16

1956

Desc. 30 ft. over rolling W. slope.

49.20

Top of N. rim of North Hatch Canyon, bears N. and S.; desc. 600 ft. over high cliff, facing W. and steep W. slope.

64.00

Base of W. slope; thence along a N. slope.

72.00

Slope changes to W.; desc. 120 ft.

80.00

Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 3 1/2 ft. base to top, with brass cap marked

T31S R15E

S 8 | S 9

S17 | S16

1956

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, dense growth of juniper and pinon on Big Ridge.

From the cor. of secs. 16, 17, 20, and 21.

North, bet. secs. 16 and 17.

Over rolling land; asc. 20 ft. over S. slope.

5.00

Base of steep S. slope, bears E. and W.; asc. 160 ft. abruptly.

9.90

S. rim of a bench, bears E. and W.; thence over rolling top of bench.

17.20

Bladed road, bears N. 70° W. and S. 70° E.; continue over bench along slight W. slope.

40.04

Point for the 1/4 sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

T31S R15E

1/4

S17 | S16

1956

Desc. 110 ft. along broken W. slope.

62.60

Wash, 30 lks. wide, 5 ft. deep, course W.; asc. 80 ft. along W. slope.

80.07

The cor. of secs. 8, 9, 16, and 17.

Chains		arbitr
	<p>Land, rolling and broken. Soil, sand and rocks. Timber, thinly scattered juniper.</p>	
	<p>From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the township, an iron post, 2½ ins. diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 15 E.</p>	
	<p>N. 0° 03' W., bet. secs. 32 and 33.</p>	
	<p>Over rolling land; desc. 10 ft. over N. slope.</p>	
2.80	<p>South Hatch Wash, 40 lks. wide, 2 ft. deep, course W.; thence over rolling land.</p>	
40.00	<p>Point for the ¼ sec. cor. of secs. 32 and 33.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked</p> <p style="text-align: center;">T31S R15E * S32 S33 1956</p>	
	<p>Continue over rolling land.</p>	
41.00	<p>Small wash, course S. 20° W.; asc. 120 ft. over SE. slope.</p>	
56.00	<p>Minor spur, projects S. 30° W.; desc. 20 ft. over NW. slope.</p>	
61.50	<p>Small wash, course S. 30° W.; asc. 110 ft. over rolling SW. slope.</p>	
80.00	<p>Point for the cor. of secs. 28, 29, 32, and 33.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked</p> <p style="text-align: center;">T31S R15E S29 S28 S32 S33 1956</p>	
	<p>Land, rolling. Soil, sand and shale. No timber.</p>	
	<p>From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the township, an iron post, 2½ ins. diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 15 E.</p>	
	<p>N. 0° 03' W., bet. secs. 31 and 32.</p>	
	<p>Over rolling slope of South Hatch Canyon; desc. 300 ft. over N. slope.</p>	
40.00	<p>Point for the ¼ sec. cor. of secs. 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, 1½ ft. high, with brass cap marked.</p>	

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains

	<p style="text-align: center;">T31S R15E $\frac{1}{4}$ S31 S32 1956</p> <p>Desc. 20 ft. over N. slope.</p>
49.50	Wash, in the bottom of South Hatch Canyon, 40 lks. wide, 2 ft. deep, course W.; asc. 30 ft. over rolling SW. slope.
66.80	Small wash, course SW.; asc. 80 ft. over rolling land.
80.00	Point for the cor. of secs. 29, 30, 31, and 32.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked</p> <p style="text-align: center;">T31S R15E S30 S29 S31 S32 1956</p> <p>Land, rolling. Soil, sand and rocks. No timber.</p>
	<p>From the cor. of secs. 28, 29, 32, and 33.</p> <p>S. 89° 58' W., bet. secs. 29 and 32.</p> <p>Over broken land, draining southerly; desc. 80 ft. over W. slope.</p>
7.80	Small wash, course S. 20° W.; desc. 100 ft. along slight S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked</p> <p style="text-align: center;">T31S R15E $\frac{1}{4}$ ——— S29 S32 1956</p> <p>Desc. 80 ft. over rolling S. slope.</p>
80.00	The cor. of secs. 29, 30, 31, and 32.
	<p>Land, rolling. Soil, sand and rocks. No timber.</p>
	<p>S. 89° 58' W., bet. secs. 30 and 31.</p> <p>Over rolling hills; desc. 60 ft. along slight S. slope.</p>
38.50	Small wash, course S.; continue over rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31.

Portion of the Subdivision, T. 31 S., R. 15 E.

Chains

Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap marked

T31S R15E
 $\frac{S30}{S31}$
 1956

Asc. 20 ft. over rolling land.

77.01

The cor. of secs. 25, 30, 31, and 36, an iron post, 2½ ins. diam., set, marked and witnessed as described in the field notes of T. 31 S., R. 14 E.

Land, rolling.
 Soil, sand and rocks.
 No timber.

General Description

The land within T. 31 S., R. 15 E., consists of rolling and broken land in the bottom of North and South Hatch Canyons in the south, and of Big Ridge, a high mesa, which extends east and west through the entire north portion of the township. A narrow island mesa extends E. and W. through the south portion of the township and divides North and South Hatch Canyons. The north boundary lies along the breaks on the south wall of Happy Canyon and is very rough and rugged. All the drainage in the township is westward to the Dirty Devil River.

The elevation varies from 4800 ft. above sea level in the bottom of Hatch Canyon to 6587 ft. on a butte on Big Ridge.

The soil consists of shallow sand, shale and exposed sandstone. The vegetation consists of a heavy growth of scrub juniper and pinon on the higher elevations and scattering timber in the bottoms of the canyons.

A bladed road enters the township on the E. bdy. of sec. 13 and traverses the top of Big Ridge to an airstrip in sec. 10 and ends in sec. 9 at Two Pipe Spring. Two Pipe Spring was flowing at the rate of 35 gallons a day at the time of survey. The S. portion of the township is accessible by jeep by a road which descends from Big Ridge in sec. 13.

There are numerous uranium claims staked in the bottoms of the canyons but none were being worked at the time of survey.

CERTIFICATE OF CADASTRAL ENGINEER

Donald A. Cannon, Cartographic Survey Aid
We, Craig P. Sylvester, Cartographic Survey Aid, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 17th day of March
I have surveyed the east boundary and a portion of the subdivisional lines of Town
31 South, Range 15 East.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by us and under our direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

January 21, 1957

Salt Lake City, Utah

Donald A. Cannon
Donald A. Cannon, Cartographic Survey Aid
Craig P. Sylvester
Craig P. Sylvester, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C.

The foregoing field notes of the survey of

executed by

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cadastrol _____, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 17th _____ day of March _____

I have supervised the survey of the east boundary and a portion of the subdivi
lines of Township 31 South, Range 15 East _____

of the Salt Lake _____ Meridian, in the State of Utah _____, which
represented in the foregoing field notes as having been executed under my supervision _____; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions f
Survey of the Public Lands of the United States, and in the specific manner described in the fore
field notes.

January 28, 1957 _____
Salt Lake City, Utah _____

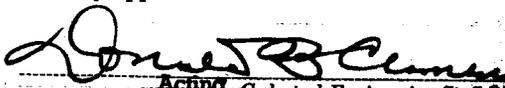

Vern E. Lane, Cadastral Surveyor _____

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 17 1957 _____, 11

The foregoing field notes of the survey of the east boundary and a portion of the sub
divisional lines of T. 31 S., R. 15 E. _____

executed by Donald A. Cannon and Craig P. Sylvester, under the supervision of Vern
Lane.
having been critically examined and found correct, are hereby approved.


Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF

THE SURVEY OF

THE NORTH AND EAST BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 31 SOUTH, RANGE 16 EAST

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Vern E. Lane Cadastral Surveyor (Chief of Party)

Graig P. Sylvester Cartographic Survey Aid

Ronald A. Cannon Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided

for the surveys included under Group No. 400, approved April 4, 1955

and assignment instructions dated April 23, 1956.

Survey commenced September 21, 1956.

Survey completed October 17, 1956.

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16-58770-1

——— Surveyed by Craig P. Sylvester
 —— Surveyed by Donald A. Cannon

T. 31 S., R. 16 E.

Chains

The W. bdy. was surveyed concurrently with the survey of this Tp. and appears in the field notes of Ts. 31 and 32 S., R. 15 E. The S. bdy. was surveyed concurrently with this survey and appears in the field notes of T. 32 S., R. 16 E.

The following field notes are those of the survey of the N. and E. boundaries and a portion of the subdivision in T. 31 S., R. 16 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State School sections.

The survey was executed with Buff and Buff solar transit number 26066, and Gurley solar transit number 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

Corners on the E. - W. lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

Measurements were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 lks. and the remainder at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The lengths of all lines were determined by chaining where possible; otherwise by traverse or triangulation. The triangulations or traverses have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast cor. of the Tp. is Latitude $38^{\circ} 01' 56.4''$ N. and Longitude $110^{\circ} 06' 05.7''$ W. as determined by traverse from U. S. G. S. Triangulation Station "ORANGE" located in sec. 32, T. 32 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be $15^{\circ} 00'$ E.

E. Bdy., T. 31 S., R. 16 E.

From the cor. of Ts. 31 and 32 S., Rs. 16 and 17 E., an iron post, $2\frac{1}{2}$ inches diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 16 E.

North, bet. secs. 31 and 36.

Over broken land, through scattered timber.

- 1.30 Rim, a ledge about 10 ft. high, bears E. and W.; desc. 290 ft. over ledgy N. slope.
- 13.00 Wash, 10 lks. wide, 3 ft. deep, course W.; asc. 230 ft. over ledgy S. slope.
- 29.10 Rim, bears N. 80° W. and S. 80° E.; asc. 20 ft. over gentle S. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Chains

Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground with brass cap marked

T31S
R16E R17E

↑
S36 | S31

1956

No accessories available.

Asc. 40 ft. over ledgy S. slope.

44.40 Spur, projects S. 70° W.; desc. 60 ft. over gentle N. slope.

80.00 Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 30 inches long, 2½ inches diam., 2 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31S
R16E R17E

S25 | S30

S36 | S31

1956

Land, broken and rolling.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

North, bet. secs. 25 and 30.

Over broken land, through scattered timber; desc. 20 ft. over ledgy N. slope.

5.20 S. rim of Waterhole Canyon, bears N. 80° W. and S. 80° E.; desc. 190 ft. over ledgy N. slope.

14.10 Wash, in bottom of Waterhole Canyon, 10 lks. wide, 4 ft. deep, course S. 80° E.; asc. 170 ft. over ledgy S. slope.

27.30 N. rim of Waterhole Canyon, bears E. and W.; asc. 110 ft. over S. slope on top of Waterhole Flat.

40.00 Point for the ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 inches long, 2½ inches diam., 2 inches in the ground to bedrock and in a mound of stone, 3½ ft. base, to top with brass cap marked

T31S
R16E R17E

↑
S25 | S30

1956

Asc. 60 ft. over S. slope.

47.00 Spur, slopes S. 70° W.; desc. 10 ft. over NW. slope.

57.80 Small drain, course SW.; asc. 70 ft. over SW. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 inches long, 2½ inches diam., 18 inches in the

E. Bdy., T. 31 S., R. 16 E.

Chains

ground and in a mound of stone, 2 ft. base, to top with brass cap marked

T31S
 R16E R17E
 S24 | S19
 S25 | S30
 1956

Land, broken and rolling.
 Soil, sand and exposed sandstone.
 Timber, scattered juniper and pinon.

North, bet. secs. 19 and 24.

Over rolling top of Waterhole Flat, through scattered timber; asc. 40 ft. over gentle S. slope.

22.70

Top of ascent, slopes SW.; desc. 20 ft. over rolling land.

40.00

Point for the 1/4 sec. cor. of secs. 19 and 24.

Set an iron post, 36 inches long, 1 inch diam., 12 inches in the ground to bedrock and in a mound of stone, 2 ft. base, to top with brass cap marked

T31S
 R16E R17E
 ↑
 S24 | S19
 1956

Asc. 50 ft. over rolling land.

80.00

Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 inches long, 2 1/2 inches diam., 12 inches in the ground to bedrock and in a mound of stone, 2 1/2 ft. base, to top with brass cap marked

T31S
 R16E R17E
 S13 | S18
 S24 | S19
 1956

Land, rolling.
 Soil, sand and rocks.
 Timber, scattered juniper and pinon.

North, bet. secs. 13 and 18.

Over rolling top of Waterhole Flat, through scattered timber; asc. 10 ft. over S. slope.

7.10

Top of ascent, slopes NE.; desc. 180 ft. over N. slope.

37.20

Wash, 10 lks. wide, 3 ft. deep, course E.; asc. 110 ft. over SE. slope.

40.00

Point for the 1/4 sec. cor. of secs. 13 and 18, falls on face of ledge, about 10 ft. high, where the cor. cannot be monumented; asc. 10 ft.

40.40

Point selected for the witness 1/4 sec. cor. of secs. 13 and 18.

Chains

Set an iron post, 36 inches long, 1 inch diam., over an (K) cut in sandstone surface and in a mound of stone, 3½ ft. base, 2 ft. high with brass cap marked

T31S
R16ER17E
↑
S13 | S18
↓
W C
1956

Asc. 60 ft. over SE. slope.

49.30 Spur, slopes NE.; desc. 200 ft. over NW. slope.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31S
R16ER17E
S12 | S 7
S13 | S18
1956

Land, rolling.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

North, bet. secs. 7 and 12.

Over rolling top of Waterhole Flat, through scattered timber; desc. 70 ft. over rolling NW. slope.

12.20 Wash, 20 lks. wide, 4 ft. deep, course N. 80° E.; thence over rolling SE. slope.

21.80 Wash, 30 lks. wide, 4 ft. deep, course S. 80° E.; asc. 130 ft. over ledgy SE. slope.

40.00 Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 36 inches long, 1 inch diam., 4 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31S
R16ER17E
↑
S12 | S 7
↓
1956

Asc. 20 ft. over SE. slope.

52.40 Top of ascent, slopes E.; desc. 50 ft. over slight NE. slope.

78.80 Wash, 10 lks. wide, 4 ft. deep, course S. 70° E.; asc. 20 ft. over SE. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 3½ ft. base, to top with brass cap marked

SE Bdy. T. 31 S., R. 16 E.

Chains
32.10
32.10
12.00
29.00
33.70
40.00
44.10
48.80
49.30
54.00
59.30
59.60
80.00

T31S
R16E R17E
S 1 | S 6
S 12 | S 7
1956
Land, rolling.
Soil, sand and rocky.
Timber, scattered juniper and pinon.

North, bet. secs. 1 and 6.
Over rolling top of Waterhole Flat, through scattered timber; asc. 70 ft. over rolling SE. slope.
Base of steep S. slope and ledges, bears S. 80° W. and E.; leave Waterhole Flat and asc. 750 ft. abruptly.
Rim, a ledge about 40 ft. high, bears E. and W.; thence over top of small bench.
Bladed road, bears N. 20° E. and S. 20° W.; continue over top of bench.
Point for the 1/4 sec. cor. of secs. 1 and 6.
Set an iron post, 30 inches long, 2 1/2 inches diam., 10 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked.

T31S
R16E R17E
S 1 | S 6
1956

Asc. 20 ft. over top of bench.
Top of ascent, slopes E.; desc. 60 ft. along NE. slope.
Same road, bears NW. and SE.; desc. 10 ft.
Rim, a ledge about 50 ft. high, bears N. 20° W. and S. 80° E.; desc. 70 ft. over NE. slope into Red Cove.
Drain, in the head of Red Cove, course E.; asc. 90 ft. over ledgy SE. slope.
Same rim, bears NE. and S. 20° W.
Same road, bears NE. and SW.; asc. 110 ft. along SE. slope.
Point for the cor. of Ts. 30 1/2 and 31 S., Rs. 16 and 17 E.
Set an iron post, 30 inches long, 2 1/2 inches diam., 18 inches in the ground and in a mound of stone, 3 ft. base, to top with brass cap marked

T30 1/2 S
R16E R17E
S 36 | S 31
S 1 | S 6
T31S
1956

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

Chains

Beginning at the cor. of T. 30 $\frac{1}{2}$ and 31 S., R. 16 and 17 E.

West, bet. secs. 1 and 36.

Over broken land, through scattered timber; asc. 610 ft. over steep E. slope and ledges facing E.

13.00

E. rim of a point projecting N. from Big Ridge, bears S. and W.; thence along N. face of high cliff.

23.50

Leave rim, which bears to N. 30° W.; asc. 80 ft. over top of point

35.93

Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 2 inches in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top with brass cap marked

T30 $\frac{1}{2}$ SR16E

W 11 85 $\frac{1}{2}$

C⁴ S 1

T31S

1956

Cor. is located on W. rim of point projecting S. from Big Ridge.

Desc. over high cliff and ledges facing W. into Flint Cove.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, falls on W. face of inaccessible ledges where the cor. cannot be monumented.

51.00

Base of steep W. slope, about 640 ft. below the witness cor., bears N. and S.; desc. 90 ft. over gradual W. slope.

60.50

Wash in bottom of Flint Cove, 20 lks. wide, 2 ft. deep, course N.; asc. 220 ft. over steep talus E. slope.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 5 ft. base, to top with brass cap marked

T30 $\frac{1}{2}$ SR16E

S 2 $\frac{1}{2}$ S 36

S 2 $\frac{1}{2}$ S 1

T31S

1956

Land, broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

West, bet. secs. 2 and 35.

Over broken land through scattered timber; asc. 540 ft. over steep NE. slope and high ledges, facing NE.

16.00

Bladed road, bears S. 80° E. and N. 80° W., descending steeply into Flint Cove.

29.60

Top of E. rim of Big Ridge, bears N. 20° W. and S. 80° E.; thence over rolling top of Big Ridge.

N. Bdy.; T. 31 S., R. 16 E.

Chains
 32.60 Bladed road, bears N. 20° W. and S. 10° E.; desc. 30 ft. over slight W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T30 $\frac{1}{4}$ SR16E

$\frac{1}{4}$ $\frac{S35}{S2}$

T31S

1956

Desc. 30 ft. over slight NW. slope.

50.70 W. rim of Big Ridge, bears S. and irregularly W.; thence along S. face of high rim, facing S.

80.00 Point for the cor. of secs. 2, 3, 34 and 35, falls on S. face of rim where the corner cannot be monumented.

Land, broken.

Soil, sand and exposed sandstone.

Timber, medium growth of juniper and pinon.

West, bet. secs. 3 and 34.

Over broken land, through medium timber; continue along S. face of high rim.

7.70 Top of small point, about 100 ft. below top of rim, projects S., 1 chain to end from Big Ridge.

7.77 Point selected for the witness cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 6 inches in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top with brass cap marked

T30 $\frac{1}{4}$ SR16E

$\frac{S34}{S3}$ $\frac{S35}{S2}$ W
C

T31S

1956

Along irregular S. face of ledges.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34, falls in inaccessible portion of ledges facing S, where the cor. cannot be monumented.

44.70 E. rim of point, projects SW. from Big Ridge; thence over top of point.

44.80 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 5 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked

T30 $\frac{1}{4}$ SR16E

$\frac{1}{4}$ $\frac{S34}{S3}$ W
C

T31S

1956

Continue over top of point.

<p>Chains 63.00</p>	<p>W. rim of same point, bears N. 70° E. and S. 20° W. desc. over rough and ledgy NW. slope.</p>
<p>70.91</p>	<p>Point selected for the witness cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 inches long, 2 1/2 inches diam., 9 inches in ground to bedrock and in a mound of stone, 4 1/2 ft. base, to top with brass cap marked</p> <div style="text-align: center;"> <p>T30 1/2 SR16E N S33 S34 C S 4 S 3 T31S 1956</p> </div> <p>Desc. over high ledges, facing NW.</p>
<p>80.00</p>	<p>Point for the cor. of secs. 3, 4, 33 and 34, falls on NW. face of high rim and cannot be monumented.</p> <p>Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinon.</p>
<p>16.00</p>	<p>West, bet. secs. 4 and 33.</p> <p>Over broken land, through scattered timber; continue over steep slope.</p>
<p>23.50</p>	<p>Base of steep NW. slope, about 560 ft. below the witness cor., bears S. and N. 70° E.; desc. 140 ft. over W. slope in bottom of the S Fork of Happy Canyon.</p>
<p>40.00</p>	<p>Unimproved road, bears N. 10° E. and S. 10° W.</p>
<p>42.00</p>	<p>Point for the 1/4 sec. cor. of secs. 4 and 33.</p> <p>Set an iron post, 30 inches long, 2 1/2 inches diam., 4 inches in ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked</p> <div style="text-align: center;"> <p>T30 1/2 SR16E 1/4 S33 S 4 T31S 1956</p> </div> <p>Continue over slight W. slope.</p>
<p>47.00</p>	<p>Edge of steep W. slope, bears S. 20° W. and N. 60° E.; desc. 140 abruptly.</p>
<p>51.50</p>	<p>Wash, course S. 20° W.; asc. 160 ft. over steep SE. slope.</p>
<p>80.00</p>	<p>Top of steep ascent, bears S. 40° W. and N. 40° E.; desc. 20 ft. over rolling SW. slope.</p>
<p>80.00</p>	<p>Point for the cor. of secs. 4, 5, 32 and 33.</p> <p>Set an iron post, 30 inches long, 2 1/2 inches diam., 14 inches in ground to bedrock and in a mound of stone, 2 1/2 ft. base, to top with brass cap marked</p> <div style="text-align: center;"> <p>T30 1/2 SR16E S32 S33 S 5 S 4 T31S 1956</p> </div>

U. S. G. N. S. T. 31 S., R. 16 E.

Chains

H. E. D.

Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

31W 100

West, bet. secs. 5 and 32.

Over rolling and broken land, through scattered timber; desc. 40 ft. over rolling SW. slope.

10.00 Top of the E. inner rim of the S. Fork of Happy Canyon, bears N. 40° W. and S. 40° E.; desc. 300 ft. over broken and ledgy SW. slope.

23.00 Wash, in the bottom of the S. Fork of Happy Canyon, 30 lks. wide, 3 ft. deep, course N. 40° W.; asc. 220 ft. over ledgy NE. slope.

36.30 Top of the E. inner rim of the S. Fork of Happy Canyon, bears N. 50° W. and S. 50° E.; thence over rolling bench.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 9 inches in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top with brass cap marked

T30 $\frac{1}{2}$ SR16E
 $\frac{1}{2}$ $\frac{832}{85}$
T31S
1956

Continue over rolling top of bench.

52.50 Top of ascent, slopes N. 20° W.; desc. 70 ft. over rolling W. slope.

72.30 E. rim of gulch, bears N. 10° W. and S. 10° E.; desc. 170 ft. over W. slope of gulch.

76.90 Wash, in the bottom of gulch, 30 lks. wide, 3 ft. deep, course N. 20° W.; asc. 100 ft. over steep E. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 8 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked

T30 $\frac{1}{2}$ SR16E
 $\frac{331}{36}$ $\frac{532}{85}$
T31S
1956

Land, rolling and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

West, bet. secs. 6 and 31.

Over broken land, through scattered timber; asc. 70 ft. over steep E. slope.

1.10 W. rim of gulch, bears NW. and S. 20° E.; asc. 50 ft. over rolling NE. slope.

19.40 Base of abrupt ascent, bears S. and N. 20° W., 4 chs. and thence W.; asc. 170 ft. over broken NE. slope.

35.38 Intersect the E. bdy. of T. 31 S., R. 15 E.

Point for the closing cor. of secs. 6 and 31, T. 30 S., R. 16 E.

Set an iron post, 30 inches long, 2 1/2 inches diam., 4 inches in the ground to bedrock and in a mound of stone, 3 1/2 ft. base, to top with brass cap marked

T31S Y30 1/2 S
R16 E
S31 C
S 6 C
T31S
1956

From this cor., the cor. of secs. 12 and 13, T. 31 S., R. 15 E., bears South, 11.19 chs. dist., an iron post, 2 1/2 inches diam., set marked and witnessed as described in the field notes of T. 31 S., 15 E.

Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pino.

Portion of the Subdivision of T. 31 S., R. 16 E.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp. iron post, 2 1/2 inches diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 16 E.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken land, through scattered timber; desc. 150 ft. over broken NE. slope.

30.50 Rim, faces N. and bears E. and W.; desc. 120 ft. over broken ledge N. slope.

34.00 Base of steep N. slope, bears E. and W.; thence over level land.

35.30 Small wash, course S. 80° E.; continue over level land.

40.00 Point for the 1/2 sec. cor. of secs. 35 and 36.

Set an iron post, 30 inches long, 2 1/2 inches diam., 20 inches in the ground and in a cellar of stone, with brass cap marked

T31SR16E
↑
S35 S36
1956

Continue over small flat.

41.00 Base of ledgy S. slope, bears E. and W.; asc. 140 ft. abruptly.

46.20 Top of ledge, bears E. and W.; asc. 70 ft. over slight S. slope.

71.50 Base of broken S. slope, bears E. and W.; asc. 70 ft.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 inches long, 2 1/2 inches diam., 8 inches in the ground to bedrock and in a mound of stone, 3 1/2 ft. base, to top with brass cap marked

Subdivision, T. 31 S., R. 16 E.

Chains

T31SR16E

826 | S25

835 | S36

1956

Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.
S. 89° 55' W., bet. secs. 25 and 36.

Over rolling land, through scattered timber; desc. 30 ft.

12.80 Small wash, course N. 15° E.; asc. 60 ft. over rolling land.

40.05 Point for the 1/2 sec. cor. of secs. 25 and 36.

Set an iron post, 30 inches long, 2 1/2 inches diam., 15 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR16E

1/2 S25

1/2 S36

1956

Asc. 40 ft. over broken SE. slope.

47.20 Top of ascent, slopes S.; desc. 150 ft. over broken W. slope.

71.20 Base, of descent, bears N. and S.; asc. 110 ft. over broken SE. slope.

80.09 The cor. of secs. 25, 26, 35 and 36.

Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., an iron post, 2 1/2 inches diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 16 E.

N. 0° 02' W., bet. secs. 33 and 34.

Over rolling top of Waterhole Flat, through scattered timber; asc. 70 ft. over SE. slope.

25.40 Top of small knell; desc. 60 ft. over slight N. slope.

40.00 Point for the 1/2 sec. cor. of secs. 33 and 34.

Set an iron post, 30 inches long, 2 1/2 inches diam., 12 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR16E

1/2 S33

1/2 S34

1956

Asc. 40 ft. over rolling land.

73.60 Bladed road, bears NE. and SW., continue over rolling land.

Subdivision, T. 31 S., R. 16 E.

Chains

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground with brass cap marked

T31SR16E
 328 | 327
 33 | 34
 1956

Deposit a sandstone 4x3x3 inches, marked with an (X) at the base of the iron post.

Land, broken.

Soil, sand.

Timber, scattered juniper and pinon.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling top of Waterhole Flat, through scattered timber; desc. 40 ft.

24.50

Base of steep SE. slope, bears N. 60° E. and S. 60° W.; asc. 100 ft. over slope and a ledge, about 50 ft. high, facing SE.

30.30

Top of rim, bears N. 60° E. and S. 60° W.; thence over rolling land

40.00

Point for the ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 inches long, 2½ inches diam., 18 inches in the ground and in a mound of stone, 2½ ft. base, to top with brass cap marked

T31SR16E
 ↑
 328 | 327
 1956

Desc. 20 ft. over rolling land.

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 inches long, 2½ inches diam., 16 inches in the ground and in a mound of stone, 2½ ft. base, to top with brass cap marked

T31SR16E
 321 | 322
 328 | 327
 1956

Land, rolling.

Soil, sand.

Timber, scattered juniper and pinon.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling top of Waterhole Flat, through scattered timber; desc. 60 ft. over NW. slope.

9.10

Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 50 ft. over SE. slope.

12.10

Small spur, slopes SW.; desc. 40 ft. over NW. slope.

16.00

Bladed road, bears SW. and NE.

Subdivision, T. 31 S., R. 16 E.

Chains

18.00 Wash, 20 lks. wide, 2 ft. deep, course S. 30° W.; asc. 110 ft. over rolling S. slope.

40.00 Point for the 1/4 sec. cor. of secs. 21 and 22.

Set an iron post, 30 inches long, 2 1/2 inches diam., 16 inches in the ground and in a mound of stone, 2 ft. base, top with brass cap marked

T31SR16E

1/4

S21 | S22

1956

Asc. 50 ft. over rolling SW. slope.

56.90 Spur, slopes SW.; desc. 40 ft. over NW. slope.

61.90 Wash, 10 lks. wide, 2 ft. deep, course S. 50° W.; asc. 40 ft. over SE. slope.

73.50 Low Spur, slopes SW.; thence over slight W. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 inches long, 2 1/2 inches diam., 2 inches in the ground to bedrock and in a mound of stone, 3 ft. base, top with brass cap marked

T31SR16E

S16 | S15

S21 | S22

1956

Land, rolling.

Soil, sand.

Timber, scattered juniper and pinon.

N. 0° 02' W., bet. secs. 15 and 16.

Over broken land, through scattered timber; asc. 260 ft. over broken SE. slope.

12.90 Top of steep ascent, bears N. 70° E. and S. 70° W.; asc. 20 ft. over small bench.

22.20 Bladed road, bears N. 10° E. and S. 10° W.; asc. 50 ft. over S. slope.

33.78 Point selected for the witness 1/4 sec. cor. of secs. 15 and 16.

Set an iron post, 30 inches long, 2 1/2 inches diam., 16 inches in the ground to bedrock and in a mound of stone, 2 1/2 ft. base, top with brass cap marked

WC

T31SR16E

1/4

S16 | S15

1956

Asc. over steep S. slope and ledges facing SE.

40.00 Point for the 1/4 sec. cor. of secs. 15 and 16, falls on S. face of high rim where the corner cannot be monumented.

49.50 Top of the S. rim of Big Ridge, about 660 ft. above the witness cor.,

Subdivisions, T. 31 N., R. 16 E.

Chains

bears S. 70° W. and N. 70° E.; thence over top of Big Ridge.

54.30 Bladed road, bears N. 70° E. and S. 70° W.; continue over top of Big Ridge.

57.10 N. rim of Big Ridge, bears E. and W.; desc. 680 ft. over high ledge and steep N. slope into the S. Fork of Happy Canyon.

74.00 Base of steep N. slope, bears E. and W.; desc. 40 ft. over gentle N. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR16E
 S 9 | S10
 S16 | S15
 1956

Land, broken.
 Soil, sand and exposed sandstone.
 Timber, scattered juniper and pinon.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken bottom of the S. Fork of Happy Canyon, through scattered timber; desc. 150 ft. over N. slope.

28.00 Wash, in the bottom of the S. Fork of Happy Canyon, course N. 40° thence over rolling land.

40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 3½ ft. base, to top with brass cap marked

T31SR16E
 ↑
 S 9 | S10
 1956

Continue over rolling land in the S. Fork of Happy Canyon.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 inches long, 2½ inches diam., 2 inches in the ground to bedrock and in a mound of stone, 3½ ft. base, to top with brass cap marked.

T31SR16E
 S 4 | S 3
 S 9 | S10
 1956

Land, broken and rolling.
 Soil, sand and shale.
 Timber, scattered juniper.

N. 0° 03' W., bet. secs. 3 and 4.

Over rolling land in the S. Fork of Happy Canyon, through scattered timber; desc. 100 ft.

Subdivision, T. 31 S., R. 16 E.

Chains

- 16.50 Wash, course N. 60° W.; asc. 90 ft. over SW. slope.
- 22.00 Top of ascent, slopes W.; desc. 40 ft. over N. slope.
- 29.00 Ledge, bears N. 80° E. and S. 80° W.; desc. 140 ft. over ledge and rough NW. slope.
- 32.00 Wash, 20 lks. wide, 3 ft. deep, course W.; asc. 170 ft. over S. slope.
- 36.50 Top of ascent, bears N. 80° E. and S. 80° W.; asc. 10 ft. over bench.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 8 inches in the ground to bedrock and in a mound of stone, 2 $\frac{1}{2}$ ft. base, to top with brass cap marked

T31SR16E

↑

S 4 | S 3

1956.

- Continue over bench.
- 42.00 Bladed road, bears E. and W.; asc. 140 ft. over steep S. slope.
- 48.00 Base of high rim, facing S.; asc. 640 ft. abruptly.
- 65.00 Top of rim, bears S. 80° W. and N. 80° E., thence over the broken top of a point of Big Ridge.
- 70.00 Rim, facing N., bears NE. and SW.; desc. about 600 ft. abruptly over high cliff and ledges.
- 80.47 The true point for the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.

Land, broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Over broken land; asc. over broken talus NE. slope and high ledges facing NE.

- 40.16 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2, falls on NE. face of cliff where the corner cannot be monumented.

- 50.00 Top of rim, bears N. 15° W. and N. 80° E., about 600 ft. above the sec. cor.; thence over top of Big Ridge through scattered timber.

- 50.06 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 8 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR16E

W G

↑

S 2 | S 1

1956

Chains

- Desc. 10 ft. over top of Big Ridge.
- 57.60 Wash, 10 lks. wide, 2 ft. deep course N. 20° E.; asc. 120 ft. over top of Big Ridge.
- 80.16 Point for the cor. of secs. 1, 2, 11 and 12, at a distance calculated to intersect a parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.
- Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground to bedrock with brass cap marked
- T31SR16E
S 2 | S 1
S 11 | S 12
1956
- Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of the iron post.
- Land, rough and broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.
-
- From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp. S. 89° 49' W., bet. secs. 1 and 12.
- Over broken land.
- 3.00 Wash, course S. 70° E.; asc. 120 ft. along N. slope.
- 18.50 Base of steep and ledgy E. slope; asc. about 600 ft.
- 33.00 Top of rim, facing E.; thence over narrow bench.
- 34.00 Bladed road, bears N. and S.; asc. over steep E. slope and high cliff.
- 40.03 Point for the ¼ sec. cor. of secs. 1 and 12, falls on E. face of high cliff where the corner cannot be monumented; continue ascent.
- 46.20 Top of the E. rim of Big Ridge, about 800 ft. above road, bears N. and S. 20° W.
- 46.26 Point selected for the witness ¼ sec. cor. of secs. 1 and 12.
- Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked
- T31SR16E
¼ S 1 W
¼ S 12 W
1956
- Asc. 120 ft. over ledgy E. slope.
- 49.40 Top of ascent, bears NW. and SW.; desc. 60 ft. over top of Big Ridge through medium dense timber.
- 58.70 Small wash, course N. 10° W.; asc. 80 ft. over top of Big Ridge.
- 72.50 Spur, slopes N. 60° E.; desc. 10 ft. over NW. slope.
- 80.06 The cor. of secs. 1, 2, 11 and 12.
- Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, medium dense juniper and pinon.

Subdivision, T, 31 S., R. 16 E.

Chains

S. 89° 53' W., bet. secs. 2 and 11, on a parallel, calculated to intersect the cor. of secs. 3, 4, 9 and 10.

Over rolling top of Big Ridge, through medium timber; asc. 80 ft.

24.60 Spur, slopes N.; desc. 40 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 15 inches in the ground with brass cap marked

T31SR16E

$\frac{1}{4}$ S 2

311

1956

Raise a mound of stone, 2 ft. base, around the iron post to top.

Desc. 100 ft. over rolling W. slope on top of Big Ridge.

57.00 Bladed road, bears N. and S.; desc. 50 ft. over W. slope.

61.50 E. rim of the S. Fork of Happy Canyon, bears N. 80° W. and S.; desc. over steep SW. slope and along the SW. face of high ledges.

80.00 Point for the cor. of secs. 2, 3, 10 and 11, falls on the face of inaccessible ledges about 500 ft. below the rim and cannot be monumented.

Land, rolling top of Big Ridge and breaks of rough canyons.
Soil, sand and exposed sandstone.

Timber, medium dense juniper and pinon.

N. 0° 04' W., bet. secs. 2 and 3.

Over broken land; asc. about 500 ft. over high rim, facing S.

9.80 S. rim of a point of Big Ridge, extending from E.; thence over top of point through dense timber.

10.00 Point selected for the witness cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 5 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked

T31SR16E

S 3 | S 2

310 | 311

W C

1956

Continue over top of point.

16.00 N. rim of same point, bears E. and W.; desc. over steep N. slope and ledges facing N.

17.50 Bladed road, bears E. and W.; continue over steep N. slope.

23.00 Same road, bears S. 80° W. and N. 80° E., 2 chs. to a switch back; continue descent.

26.00 Same road, bears E. and W., descending steeply into canyon; continue descent.

30.00 Base of descent, about 450 ft. below rim; asc. about 450 ft. over

Chains

unadD

- broken and ledgy SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, falls on face of high ledge where the corner cannot be monumented; asc. about 40 ft. over ledges facing SW.
- 41.80 Top of a narrow point projecting W. from Big Ridge, about 2 chs. to end.
- 42.00 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., over an (X) cut in sandstone surface and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR16E

S3 | S2

W C

1956

- Desc. over high ledges, facing N. and steep N. slope.
- 64.00 Small wash, about 800 ft. below the witness cor., course W.; asc. 600 ft. over steep S. slope and high ledges.
true point for the
- 80.31 The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.
Land, broken.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

From the cor. of secs. 2, 3, 10 and 11.

S. 89° 48' W., bet. secs. 3 and 10.

Over broken land through scattered timber; desc. 320 ft. over rough broken SW. slope.

- 19.50 Base of steep SW. slope; desc. 50 ft. over gentle SW. slope.
- 29.00 Wash, course N. 70° W.; asc. 30 ft. along N. slope.
- 39.98 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top with brass cap marked

T31SR16E

$\frac{1}{4}$ $\frac{S3}{S10}$

1956

- Asc. 10 ft. along N. slope.
- 40.30 Top of ascent, bears NW. and SE.; desc. 70 ft. over rolling NW. slope in the bottom of the S. Fork of Happy Canyon.
- 70.80 Wash, 10 lks. wide, 1 ft. deep, course NW.; continue over rolling NW. slope.
- 79.95 The cor. of secs. 3, 4, 9 and 10.
Land, broken and rolling.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

Subdivision, T. 31 S., R. 16 E.

Chains

From the true point for the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., which is witnessed East, 0.20 chs. dist. by an iron post, 2 1/2 inches diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 16 E.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling top of Waterhole Flat through scattered timber; asc. 120 ft. over gentle S. slope.

31.40 Top of ascent; bears SE. and NW.; desc. 20 ft. over gentle NE. slope.

40.00 Point for the 1/4 sec. cor. of secs. 32 and 33.

Set an iron post, 30 inches long, 2 1/2 inches diam., 20 inches in the ground and in a collar of stone, to top with brass cap marked

T31SR16E

1/4
S32 | S33
1956

Desc. 10 ft. over NE. slope.

46.00 Bladed road, bears N. 15° E. and S. 15° W.; desc. 60 ft. along gentle E. slope.

67.80 Small wash, course N. 80° E.; asc. 30 ft. over SE. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 inches long, 2 1/2 inches diam., 2 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked

T31SR16E

S29 | S28
S32 | S33
1956

Land, rolling.
Soil, shallow sand.
Timber, scattered juniper and pinon.

From the cor. of secs. 27, 28, 33 and 34.

N. 89° 54' W., bet. secs. 28 and 33.

Over rolling Waterhole Flat through scattered timber; asc. 70 ft. over gentle SE. slope.

23.50 Spur, slopes S., 3 chs. to end; desc. 130 ft. over rough SW. slope.

33.60 Base of SW. slope, bears N. and SE.; desc. 30 ft. over W. slope.

39.70 Wash, 30 lks. wide, 4 ft. deep, course S; 10° E.

39.91 Point for the 1/4 sec. cor. of secs. 28 and 33.

Set an iron post, 30 inches long, 2 1/2 inches diam., 12 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR16E

1/4 S28
S33
1956

Asc. 70 ft. over gentle E. slope.

Chains	
54.00	Spur, slopes S. 30° E.; thence over rolling land
79.82	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling. Soil, shallow sand. Timber, scattered juniper and pinon.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over broken land through scattered timber; asc. 250 ft. over broken SE. slope.
19.90	Top of ledge, 50 ft. high, bears NE. and SW.; thence over rolling bench.
25.00	Bladed road, bears NE. and SW.; asc. 20 ft. over rolling bench.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 21.
	Set an iron post, 30 inches long, 2 1/2 inches diam.; 10 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked
	<p style="text-align: center;">T31SR16E $\frac{1}{4}$ S16 $\frac{1}{4}$ S21 1956</p>
	Asc. over broken SE. slope and high cliff, facing SE.
77.30	Top of cliff, the E. wall of a point, projecting SW. from Big Ridge about 730 ft. above the 1/4 sec. cor.; asc. 20 ft. over top of point
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 inches long, 2 1/2 inches diam., 10 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked
	<p style="text-align: center;">T31SR16E S17 S16 S20 S21 1956</p>
	Land, broken. Soil, sand and exposed sandstone. Timber, medium growth juniper and pinon.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over rolling top of Big Ridge through dense timber; desc. 30 ft.
12.80	Rim, bears NE. and SW.; thence along W. face of high ledges facing
35.00	Same rim, bears SE. and NW.; desc. 10 ft. over rolling top of Big Ridge.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 17.
	Set an iron post, 30 inches long, 2 1/2 inches diam., 2 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked

Subdivision, T. 31 S., R. 16 E.

Chains

T31SR16E

S17 | S16

1956

Desc. 20 ft. over rolling land.

54.90 Bladed road, bears E. and W.; desc. 160 ft. over rolling top of Big Ridge.

80.00 Point for the cor. of secs. 8, 9, 16 and 17, falls in small wash where the corner cannot be perpetuated.

From the true point, the point selected for the witness cor. of secs. 8, 9, 16 and 17, bears S. 89° 59' E., 14 lks. dist.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR16E

W S 8 | S 9

C S17 | S16

1956

The witness cor. is located in the head of a gulch, draining N.

Land, rolling.
Soil, sand and exposed sandstone.
Timber, dense juniper and pinon.

From the cor. of secs. 9, 10, 15 and 16.

N. 89° 59' W., bet. secs. 9 and 16.

Asc. over broken NE. slope and high ledges facing NE.

29.80 E. rim of Big Ridge, about 730 ft. above the cor., bears NW. and SE.; enter dense timber and desc. 10 ft. over rolling land.

40.11 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 3½ ft. base, to top with brass cap marked

T31SR16E

S 9

S16

1956

Desc. 160 ft. over rolling top of Big Ridge.

80.08 The witness cor. of secs. 8, 9, 16 and 17, heretofore described.

80.22 The true point for the cor. of secs. 8, 9, 16 and 17.

Land, broken and rolling.
Soil, sand and exposed sandstone.
Timber, heavy growth of juniper and pinon.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., an iron post, 2½ inches diam., set, marked and witnessed as described in the field notes of T. 32 S., R. 16 E.

Chains		entire
	<p>N. 0° 03' W., bet. secs. 31 and 32.</p> <p>Over rolling land through medium timber; asc. 90 ft. along gentle slope.</p>	
25.10	Top of ascent, bears E. and W.; desc. 50 ft. along E. slope.	
39.90	Wash, 20 lks. wide, 3 ft. deep, course E.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32, falls in wash where corner cannot be perpetuated.	
40.10	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32.	
	<p>Set an iron post, 30 inches long, 2$\frac{1}{2}$ inches diam., on bedrock and a mound of stone, 3$\frac{1}{2}$ ft. base, to top with brass cap marked</p> <div style="text-align: center;"> <p>T31SR16E</p> <p>↑</p> <p>S31 S32</p> <p>↓</p> <p>W C</p> <p>1956</p> </div> <p>Asc. 110 ft. over SE. slope.</p>	
58.70	Top of ascent, slopes S. 70° E. from W.; desc. 30 ft. over NE. slope.	
70.00	Wash, 20 lks. wide, 3 ft. deep, course S. 70° E.; asc. 130 ft. over broken SE. slope.	
80.00	Point for the cor. of secs. 29, 30, 31 and 32.	
	<p>Set an iron post, 30 inches long, 2$\frac{1}{2}$ inches diam., 3 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked</p> <div style="text-align: center;"> <p>T31SR16E</p> <p>S30 S29</p> <p>S31 S32</p> <p>1956</p> </div> <p>Land, rolling and broken. Soil, sand and exposed sandstone. Timber, medium growth of juniper and pine.</p>	
	<p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>S. 89° 57' W., bet. secs. 29 and 32.</p> <p>Over rolling land through scattered timber; asc. 30 ft. over gentle SE. slope.</p>	
11.00	Base of steep E. slope and ledge about 50 ft. high, facing E.; asc. 160 ft.	
15.10	Top of ledge, bears irregularly NE. and SW.; asc. 40 ft. over gentle SE. slope.	
32.30	Bladed road, bears N. 15° W. and S. 15° E.; asc. 10 ft. over E. slope.	
40.03	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.	
	<p>Set an iron post, 30 inches long, 2$\frac{1}{2}$ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked</p>	

Subdivision, T. 31 S., R. 16 E.

Chains

T31SR16E

$$\begin{array}{r} \frac{1}{4} \text{ } 829 \\ \frac{1}{4} \text{ } 832 \\ \hline \end{array}$$

1956

Asc. 40 ft. over E. slope.

47.60 Base of ascent, bears N. 20° W. and S. 20° E.; asc. 330 ft. over steep broken E. slope.

67.40 Spur, slopes S. 70° E.; desc. 170 ft. over ledgy SW. slope.

76.00 Base of SW. slope, bears SE. and W.; asc. 40 ft. along S. slope.

80.07 The cor. of secs. 29, 30, 31 and 32.

Land, rolling and broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon.

General Description

The land within T. 31 S., R. 16 E. varies from rolling land in Waterhole Flat in the southeast portion of the township to the high broken mesa, Big Ridge, in the northwest portion of the township. The drainage is principally southeast into the Colorado River. No permanent sources of water were located within the township.

The soil consists of shallow sand on sandstone formations and is covered with a very scattered growth of bunch grass and black brush. There is a scattered growth of pinon and juniper in the lower portion of the township, ranging to a heavy growth in the upper portions.

The elevation of the township varies from 5000 feet above sea level on the Waterhole Flat to 7151 feet at U.S.G.S. triangulation station "Lands End", latitude 38° 06' 06.536" N., longitude 110° 07' 46.921" W., located in section 11.

There are numerous mineral claims staked within the township, but none were being worked at the time of survey.

CERTIFICATE OF CADASTRAL ENGINEER

Craig P. Sylvester, Cartographic Survey Aid
We, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor

pursuance of special instructions bearing date of the 17th day of March

we have surveyed the North and East boundaries and a portion of the subdivision in
T. 31 S., R. 16 E.

of the Salt Lake Meridian, in the State of Utah, which

represented in the foregoing field notes as having been executed by us and under our direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 27, 1957

Salt Lake City Utah

Craig P. Sylvester
Craig P. Sylvester, Cartographic Survey Aid
Donald A. Cannon
Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C.,

The foregoing field notes of the survey of

executed by

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

, is a true copy of the original field notes.

Cadastral Engineering Staff Office

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, _____, HEREBY CERTIFY upon honor
pursuance of special instructions bearing date of the 17th day of March

I have supervised the survey of the North and East Boundaries and a portion of
subdivision in Township 31 South, Range 16 East.

of the Salt Lake Meridian, in the State of Utah, wh
represented in the foregoing field notes as having been executed under my supervision; an
said survey has been made in strict conformity with said instructions, the Manual of Instructions
Survey of the Public Lands of the United States, and in the specific manner described in the for
field notes.

February 27, 1957

Salt Lake City, Utah

Vern E. Lane
Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957

The foregoing field notes of the survey of the North and East boundaries and a porti
the subdivision in Township 31 South, Range 16 East.

executed by Craig P. Sylvester and Donald A. Cannon, under the supervision of Vern
Lane.

having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

THE NORTH AND EAST BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 31 SOUTH, RANGE 17 EAST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Donald A. Cannon - Cartographic Survey Aid

For special instructions dated October 12, 1954, which provided

the surveys included under Group No. 403, approved November 22, 1954

Assignment instructions dated August 2, 1956
April 22, 1957

Survey commenced October 8, 1956

Survey completed June 19, 1957

INDEX DIAGRAM

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16-58770-1

Meanders of the Colorado River through sec. 2 on page 23.

Township 31 South, Range 17 East

Chains

The south and west boundaries of T. 31 S., R. 17 E. were surveyed by Donald A. Cannon in 1956. The record of the west boundary appears in the official record of the survey of T. 31 S., R. 16 E. and the record of the south boundary appears in the field notes of the survey of T. 32 S., R. 17 E.

The following field notes are those of the survey of the north and east boundaries and a portion of the subdivision of T. 31 S., R. 17 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

This survey was executed with a W. and L.E. Gurley transit, serial No. 541331, equipped with improved telescopic solar attachment, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the survey and was maintained in proper adjustment throughout the progress of the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from an altitude observation on the sun for azimuth, supplemented by other numerous solar observations and augmented by use of the solar attachment, which was periodically checked on a meridian established by Polaris observations.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true methods, but for simplification of the record, the random lines are omitted from these field notes. In accordance with the intent of the special instructions, all subdivisional corners established were calculated to be at the positions they would occupy if the entire township were to be subdivided.

Measurements were made with Chicago narrow steel tapes, 8 chains in length, graduated every 1/10 link for the first link, every link for the next 99 links, and thereafter at intervals of every 10 links. The tapes were tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope, the vertical angle of each interval was ascertained by two clinometers in good adjustment; the horizontal equivalents only are entered in this field note record. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible to chaining were run by traverse or triangulation. Distances to topography on lines run by traverse or triangulation are approx. as scaled from U.S.G.S. topographic sheets. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position of the southeast corner of this township is latitude $38^{\circ} 01' 56.3''$ N. and longitude $109^{\circ} 59' 32.1''$ W., as adjusted by section line ties to U.S.G.S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township, and the average of these readings was found to be 15° E.

East Boundary of T. 31 S., R. 17 E.

Beginning at the cor. of Ts. 31 and 32 S., Rs. 17 and 18 E., monumented with an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 32 S., R. 17 E.

North, bet. secs. 31 and 36.

Chains

50410

- Over broken land, through thinly scattered timber; asc. 60 ft. over a ledge about 60 ft. high on SE slope.
- 1.00 Spur, projects SE.; desc. 150 ft. over a series of low rocky spurs and flat drains putting easterly.
- 37.30 Low rocky spur, projects NE.; desc. 20 ft. over N. slope.
- 40.00 Point for the 1/2 sec. cor. of secs. 31 and 36.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
T31S
R17E R18E
1/2
S36 | S31
1957
- 44.10 Road, unimproved, bears NW. and SE.; desc. 20 ft. over N. slope.
- 50.50 Wash, 30 lks. wide, 4 ft. deep, drains N. 80° W. for about 10 chs. thence NW.; asc. 80 ft. over S. slope.
- 56.10 Spur, projects SW.; asc. 40 ft. along W. slope.
- 66.00 Spur, projects W.; desc. 80 ft. over broken N. slope.
- 70.00 Draw, drains W.; asc. 120 ft. over broken SW. slope.
- 79.20 Spur, projects N. 80° W.; desc. 20 ft. over N. slope.
- 80.00 Point for the cor. of secs. 25, 30, 31 and 36.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
T31S
R17E R18E
S25 | S30
S36 | S31
1957
- Land, rolling and broken, with wide flat drains and canyons. Soil, sand and exposed sandstone. Timber, thinly scattered scrub juniper and pinion.

- North, bet. secs. 25 and 30.
- Over rolling sandstone, through thinly scattered timber; desc. 70 ft. over N. slope.
- 3.10 Base of abrupt descent, bears N. 70° E. and W.; desc. 20 ft. along rolling W. slope.
- 19.70 Wash, 30 lks. wide, 5 ft. deep, drains S. 80° W.; asc. 80 ft. over ledges on S. slope.
- 35.50 Spur, projects S. 80° W.; desc. 10 ft. over NW. slope.
- 40.00 Point for the 1/2 sec. cor. of secs. 25 and 30.

East Boundary of Tl. 31 S., R. 17 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mhd.

T31S
R17E R18E

↓
S25|S30
1957

Desc. 70 ft. over NW. slope.

51.60 Wash, 10 lks. wide, 4 ft. deep, drains S. 70° W.; asc. 40 ft. over SW. slope.

61.10 Spur, projects W.; desc. 30 ft. over NW. slope.

64.60 Wash, 20 lks. wide, 4 ft. deep, drains S. 60° W.; asc. 100 ft. over rocky SW. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mhd.

T31S
R17E R18E

S24|S19
S25|S30
1957

Land, rolling sandstone with wide flats.
Soil, sand and exposed sandstone.
Timber, thinly scattered scrub juniper and pinion.

North, bet. secs. 19 and 24.

Over rolling land, through thinly scattered scrub timber; asc. 20 ft. over SW. slope.

7.20 Saddle in ridge, ridge bears W. and S. 60° E.; desc. 320 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mhd.

T31S
R17E R18E

↓
S24|S19
1957

Desc. 150 ft. over NE. slope.

58.90 Rim, a ledge about 30 ft. high, bears E. and W. about 2 chs., thence NE.; desc. 80 ft. over steep NE. slope.

60.00 Wash, near head, drains NE.; asc. 50 ft. over SE. slope.

63.50 Spur, projects NE.; desc. 60 ft. over NW. slope.

68.60 Wash, in bottom of small gulch, 10 lks. wide, 10 ft. deep, drains N. 60° E.; asc. 70 ft. over S. slope.

East Boundary of T. 31 S., R. 17 E.

<p>Chains</p> <p>74.20</p> <p>80.00</p>	<p>Spur, slopes S. 10° E.; desc. 30 ft. along top of spur on W. slope.</p> <p>Point for the cor. of secs. 13, 18, 19 and 24.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E R18E S13 S18 S24 S19 1957</p> <p>Land, rolling. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.</p>	<p>00.00</p> <p>00.00</p> <p>00.00</p>
<p>15.80</p> <p>40.00</p> <p>44.60</p> <p>61.90</p> <p>68,50</p> <p>80.00</p>	<p>North, bet. secs. 13 and 18.</p> <p>Over rolling rocky land, through scattered timber; desc. 10 ft. over top of spur on E. slope.</p> <p>Spur, slopes N. 70° E.; desc. 190 ft. over NW. slope.</p> <p>Point for the ¼ sec. cor. of secs. 13 and 18.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E R18E S13 S18 1957</p> <p>Desc. 40 ft. over NW. slope.</p> <p>Wash, 40 lks. wide, 3 ft. deep, drains NE.; asc. 110 ft. over SE. slope.</p> <p>Rocky spur, slopes NE.; desc. 190 ft. over NW. slope.</p> <p>Base of abrupt descent, bears NE. and SW.; desc. 40 ft. over NW. slope.</p> <p>Point for the cor. of secs. 7, 12, 13 and 18.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E R18E S12 S 7 S13 S18 1957</p> <p>Land, rolling and broken. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.</p>	<p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p>

East Boundary of T. 31 S., R. 17 E.

Chains	
	North, bet. secs. 7 and 12.
	Over broken land, through scattered timber; desc. 40 ft. over NW. slope.
2.30	E. rim of Cataract Canyon of the Colorado River, a ledge about 150 ft. high, bears N. 60° W. and E.; by triangulation desc. about 440 ft. over high inaccessible ledges.
20.50	Wash, drains E.; continue to desc. approx. 480 ft. over NE. facing ledges.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 falls on N. facing ledge, where it is impractical to set the monument. Corner is not monumented. Desc. approx. 120 ft. over N. facing ledges.
43.00	Base of ledge, bears E. and W.; desc. 100 ft. over steep N. sloping talus.
52.70	Approx. position of the left bank of the Colorado River, course NW.; thence cross river.
60.00	Approx. position of the right bank of the river; asc. approx. 840 ft. over S. facing ledges.
	Note: This portion of the Colorado River is inaccessible and was not occupied.
80.00	True point for the cor. of secs. 1, 6, 7 and 12 falls on face of ledge about 20 ft. high, facing SW., where it is impractical to set the monument. Land, rough broken breaks of Cataract Canyon. Soil, shallow sand and exposed sandstone. Timber, thinly scattered juniper and pinion.
	North, bet. secs. 1 and 6.
	Over broken SW. facing ledges; asc. approx. 80 ft.
8.00	Point selected for the witness cor. of secs. 1, 6, 7 and 12. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T31S R17E R18E S 1 S 6 S12 S 7 W C 1957
11.00	Spur, slopes NW. about 8 chs. to end; desc. 80 ft. over NE. slope.
16.60	Drain, near head, drains E.; asc. 400 ft. over steep talus slope and high ledge facing S.
28.20	W. rim of Cataract Canyon, a ledge about 200 ft. high, bears N. 80° E. and S. 80° W.; desc. 10 ft. over N. slope.
34.50	Flat drain, drains S. 60° W.; asc. 40 ft. over S. slope.

East Boundary of T. 31 S., R. 17 E.

Chains 40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E R18E $\frac{1}{4}$ S 1 S 6 1957</p> <p>Asc. 20 ft. over SW. slope.</p>
43.10	Spur, slopes SE.; desc. 40 ft. along E. slope.
57.20	Draw, drains W.; asc. 140 ft. over ledges facing S.
59.30	Rim, a ledge about 80 ft. high, bears E. and W. irregularly; asc. 70 ft. over SW. slope.
80.00	<p>Point for the cor. of Ts. $30\frac{1}{2}$ and 31 S., Rs. 17 and 18 E.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T30$\frac{1}{2}$S R17E R18E S36 S31 S 1 S 6 T31S 1957</p> <p>Land, rolling and broken. Soil, shallow sand and exposed sandstone. Timber, thinly scattered juniper and pinion.</p>

North Boundary of T. 31 S., R. 17 E.

	<p>Beginning at the cor. of Ts. $30\frac{1}{2}$ and 31 S., Rs. 17 and 18 E., here inbefore described.</p> <p>N. $89^{\circ} 56'$ W., bet. secs. 1 and 36.</p> <p>Over rolling rocky land, through thinly scattered timber; desc. 20 ft. along S. slope.</p>
10.20	Spur, slopes S. 70° W.; desc. 70 ft. over NW. slope.
32.30	E. rim of small gulch, a ledge about 20 ft. high, bears N. and SE.; desc. 110 ft. over ledges on NW. slope.
37.40	Wash, in bottom of gulch, 30 lks. wide, 5 ft. deep, drains S. irregularly; asc. 40 ft. over E. slope.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T30$\frac{1}{2}$S R17E $\frac{1}{4}$ S36 S 1 T31S 1957</p>

North Boundary of T. 31 S., R. 17 E.

Chains

Asc. over ledge about 70 ft. high, facing E.

41.80 W. rim of gulch, bears N. and S. 80° W.; asc. 20 ft. over SE. slope.

55.50 Spur, slopes S.; desc. 110 ft. over broken W. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S R17E

S35 | S36

S 2 | S 1

T31S

1957

Land, rolling and broken.

Soil, shallow sand and exposed sandstone.

Timber, thinly scattered juniper and pinion.

N. 89° 56' W., bet. secs. 2 and 35.

Over broken land, through scattered timber; desc. 160 ft. over W. slope.

20.00 Steep ledge on rim of wash; desc. 200 ft. abruptly.

22.30 Wash, 1.00 ch. wide, 4 ft. deep, drains S.; asc. 200 ft. abruptly.

24.00 W. rim of steep sided wash; asc. 100 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.

T30½S R17E

¼ S35

S 2

T31S

1957

Asc. 240 ft. over high ledges on E. slope.

57.00 Spur, projects NE.; thence over nearly level land.

68.00 Base of ledge, bears NE. and SW.; asc. 200 ft.

70.80 Spur, slopes S. 10° W.; desc. 160 ft. over ledges on W. slope.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T30½S R17E

S34 | S35

S 3 | S 2

T31S

1957

Land, rolling and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinion.

North Boundary of T. 31 S., R. 17 E.

Chains

201640

N. 89° 56' W., bet. secs. 3 and 34.

Through thinly scattered timber; desc. 40 ft. over SW. slope.

8.60 Wash, 10 lks. wide, 3 ft. deep, drains S.; asc. 120 ft. over SE. slope.

18.70 Spur, slopes S. 10° W.; desc. 260 ft. over ledges on SW. slope.

36.70 Wash, 20 lks. wide, 4 ft. deep, drains SW.; asc. 10 ft. over SE. slope.

40.00 Point for the 1/4 sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30 1/2 S R17E
 1/4 S34
 S 3
 T31S
 1957

Asc. 250 ft. over ledges on SE. slope.

59.60 Spur, slopes S.; desc. 120 ft. over broken ledges facing W.

80.00 Sandstone knob on spur, projecting SW.

Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T30 1/2 S R17E
 S33 | S34
 S 4 | S 3
 T31S
 1957

Land, rolling and broken.
 Soil, shallow sand and considerable exposed sandstone.
 Timber, thinly scattered juniper and pinion.

N. 89° 56' W., bet. secs. 4 and 33.

Over broken land, through scattered timber; desc. 150 ft. over NW. slope.

15.50 Wash, drains S. 10° W.; asc. 70 ft. over E. slope.

30.30 Spur, slopes N.; desc. 50 ft. over W. slope.

40.00 Point for the 1/4 sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T30 1/2 S R17E
 1/4 S33
 S 4
 T31S
 1957

North Boundary of T. 31 S., R. 17 E.

Obtain	
49.00	Base of ledge, bears NE. and SW.; asc. 280 ft.
60.30	Spur, slopes N. 20° E.; desc. 10 ft. along N. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.
	<p style="text-align: center;">T30½S R17E <u>S32 S33</u> S 5 S 4 T31S 1957</p>
	<p>Land, rolling and broken. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.</p>
	N. 89° 56' W., bet. secs. 5 and 32.
	Over broken land, through dense timber; desc. 30 ft. along N. slope.
37.30	Wash, 20 lks. wide, 1 ft. deep, drains NE.; asc. 10 ft. along N. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.
	<p style="text-align: center;">T30½S R17E <u>¼ S32</u> S 5 T31S 1957</p>
	Asc. 160 ft. over NE. slope.
71.00	Base of steep ascent, bears NE. and S.; asc. 120 ft. over steep E. slope.
76.00	High narrow point, 100 ft. vertical walls, 2 chs. wide, projecting NE.; desc. abruptly 170 ft. over W. face of point.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	<p style="text-align: center;">T30½S R17E <u>S31 S32</u> S 6 S 5 T31S 1957</p>
	<p>Land, rolling and broken. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.</p>

North Boundary of T. 31 S., R. 17 E.

Chains	N. 89° 56' W., bet. secs. 6 and 31.
	Over rolling bottom of Red Cove, through scattered timber; desc. 80 ft. over NW. slope.
21.50	Wash, 10 lks. wide, 3 ft. deep, drains N. 30° E.; asc. 10 ft. over N. slope.
32.20	Wash, drains NE. about 12 chs. to junction with wash from S.; asc. 30 ft. over E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	$T30\frac{1}{4}S R17E$ $\frac{1}{4} \frac{S31}{S 6}$ $T31S$ 1957
	Asc. 650 ft. over ledges facing E.
57.70	W. rim of Red Cove, a ledge about 50 ft. high, bears N. and S. 20° W.; asc. 30 ft. over E. slope.
72.60	Road, unimproved, Flint Cove-Sunset Pass, bears N. and S. 10° W.; asc. 40 ft. over E. slope.
77.17	The cor. of Ts. 30 $\frac{1}{4}$ and 31 S., Rs. 16 and 17 E., monumented with an iron post, 2 $\frac{1}{2}$ ins. diam., conforming to the record of the field notes of the survey of T. 31 S., R. 16 E. Land, rolling and broken breaks of Red Cove. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.
Portion of the Subdivision, T. 31 S., R. 17 E.	
	From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed, as described in the field notes of the survey of T. 32 S., R. 17 E.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over rolling land, through scattered timber; asc. 90 ft. over SE. slope.
14.10	Spur, projects E. 2 chs. to end; desc. 90 ft. over NE. slope.
21.00	Wash, drains N. 10° W.
22.20	Unimproved road, Cross Canyon-Imperial Valley, bears NW. and SE.; desc. 20 ft. over NE. slope.
26.70	Wash, 10 lks. wide, 2 ft. deep, drains NW.; asc. 80 ft. over SW. slope.
37.50	Top of ascent, slopes N.; desc. 30 ft. along broken W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Portion of the Subdivision, T. 31 S., R. 17 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R17E

½
S35|S36
1957

Asc. 10 ft. along W. slope.

47.80

Spur, slopes W.; desc. 30 ft. over NW. slope.

52.60

Wash, 50 lks. wide, 6 ft. deep, drains S. 80° W.; asc. 40 ft. over SE. slope.

55.50

Asc. over ledge about 3 ft. high, facing SE.; asc. 30 ft. along E. slope.

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T31S R17E

½
S26|S25
S35|S36
1957

Land, rolling and rocky.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered juniper and pinion.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the township, hereinbefore described.

N. 89° 56' W., bet. secs. 25 and 36.

Over rolling land, through medium dense timber; asc. 10 ft. along N. slope.

2.10

Spur, slopes N. 70° W.; desc. 170 ft. over W. slope.

23.10

Wash, 40 lks. wide, 5 ft. deep, drains N. 20° E., approx. 2 chs. to junction with wash draining W.; desc. 40 ft. along rolling N. slope.

35.40

Wash, 30 lks. wide, 4 ft. deep, drains N. 60° E.; asc. 30 ft. over SE. slope.

39.99

Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T31S R17E

¼
S25
S36
1957

Asc. 120 ft. over SE. slope.

58.30

Spur, slopes S. 20° W.; desc. 150 ft. over W. slope.

78.30

Wash, 20 lks. wide, 3 ft. deep, drains S.; asc. 10 ft. over E. slope.

Chains

79.98

The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, sand and exposed sandstone.

Timber, scattered to medium dense juniper and pinion.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the towns monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 32 S., R. 17 E.

N. 0° 03' W., bet. secs. 31 and 32.

Over broken land, through scattered timber; desc. 380 ft. over led facing N.

9.30

Wash, 20 lks. wide, 2 ft. deep, drains E. about 20 chs. to junction with wash in the bottom of Waterhole Canyon; asc. 500 ft. over led facing S.

14.50

Rim, a ledge about 200 ft. high, bears N. 80° E. and N. 80° W.; desc. 40 ft. over top of spur sloping W.

31.20

N. rim of spur, a ledge about 40 ft. high, bears E. and N. 80° W.; desc. 120 ft. over ledges on N. slope.

32.50

Ravine, drains sharply E.; asc. 260 ft. over ledges on S. slope.

37.50

Spur, projects E.

37.90

Point selected for the witness ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T31S R17E

W-C

S31|S32

1957

38.30

S. rim of Waterhole Canyon, a ledge about 50 ft. high, bears N. 60° W. and S. 60° E.; desc. 160 ft. over ledges along broken N. slope.

40.00

True point for the ¼ sec. cor. of secs. 31 and 32 falls on inaccessible ledges facing N., where the cor. cannot be monumented; desc. 240 ft. over ledgy N. slope.

49.00

Wash, near head, drains E.; asc. 160 ft. over ledgy S. slope.

55.00

Spur, projects E.; desc. 80 ft. over N. slope.

69.60

Wash, in the bottom of Waterhole Canyon, 50 lks. wide, 4 ft. deep, drains N. 60° E. for about 5 chs., thence SE.; asc. 80 ft. over ledges on SE. slope.

71.40

Top of ascent, slopes E.; desc. 40 ft. along E. slope.

78.20

Wash, 40 lks. wide, 5 ft. deep, drains S. 20° E.; asc. 10 ft. over SW. slope.

80.00

Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

Portion of the Subdivision, T. 31 S., R. 17 E:

Chains

T31S R17E

S30|S29

S31|S32

1957

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rough and broken breaks of Waterhole Canyon.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinion.

From the cor. of secs. 29, 30, 31 and 32.

S. 89° 58' E., bet. secs. 29 and 32.

Over broken land, through scattered timber; asc. 40 ft. over W. slope.

9.00 Base of ledge, bears irregularly N. and S.; asc. 320 ft. over ledgy SW. slope.

32.10 Rim, a ledge about 40 ft. high, bears N. 70° W. and SE.; asc. 50 ft. over SW. slope.

40.00 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T31S R17E

¼ S29

S32

1957

Asc. 130 ft. over ledgy SW. slope.

60.00 Spur, slopes S.

61.00 W. rim of Cataract Canyon, a ledge about 40 ft. high, bears N. 10° E. and S. 10° W.; desc. 320 ft. over ledges on E. slope.

68.00 Base of abrupt descent, bears N. and S.; desc. 20 ft. over bench on E. slope.

73.16 Point selected for the witness cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T31S R17E

S29|S28 W

S32|S33 C

1957

73.30 Ledges facing E., descending to the Colorado River in Cataract Canyon.

80.00 True point for the cor. of secs. 28, 29, 32 and 33 falls on inaccessible ledges facing E., where the cor. cannot be monumented.

Land, rolling and broken breaks of Cataract Canyon and Waterhole Canyon.

Soil, shallow sand and exposed sandstone.

Timber, scattered to medium dense juniper and pinion.

Chains

N. 0° 03' W., bet. secs. 28 and 29.

Through scattered timber; asc. over ledges of Cataract Canyon, facing SE.

1.50 Rim, a ledge about 300 ft. high, bears N. 30° E. and S. 20° W.; asc. 40 ft. over bench sloping S.

15.50 Base of abrupt ascent, bears N. 60° E. and SW.; asc. 300 ft. over ledges on SE. slope.

28.40 E. rim of Cataract Canyon, a ledge about 50 ft. high, bears NE. and SW.; asc. 60 ft. over SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 2 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T31S R17E

$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S29} | \text{S28} \\ 1957 \end{array}$$

Asc. 150 ft. over ledges on SW. slope.

68.30 Spur, slopes SW.; desc. 80 ft. over NW. slope.

80.00 Point for the cor. of secs. 20, 21, 28 and 29.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T31S R17E

$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S20} | \text{S21} \\ \hline \text{S29} | \text{S28} \\ 1957 \end{array}$$
Land, rolling and broken breaks of Cataract Canyon.
Soil, shallow sand and exposed sandstone.
Timber, scattered to medium dense juniper and pinion.

N. 0° 03' W., bet. secs. 20 and 21.

Over rolling land, through scattered juniper and pinion; desc. 40 ft. over NE. slope.

12.60 Wash, 10 lks. wide, 1 ft. deep, drains SW.; asc. 30 ft. over SE. slope.

20.70 Spur, slopes NW.; desc. 80 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground with brass cap mkd.

T31S R17E

$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S20} | \text{S21} \\ 1957 \end{array}$$

Deposit a stone, 9x7x4 ins., mkd. with a cross (X) at the base of the post.

Portion of the Subdivision, T. 31 S., R. 17 E.

Chains					
53.30	<p>Desc. 60 ft. over NE. slope.</p> <p>S. rim of Calf Canyon, a ledge about 40 ft. high, bears N. 30° W. and S. 60° E.; desc. 170 ft. over ledges on NE. slope.</p> <p>Spur, slopes NE.; desc. 150 ft. over ledges on NW. slope.</p> <p>Wash, 10 lks. wide, 1 ft. deep, drains NE.; asc. 90 ft. over ledges on SE. slope.</p> <p>Point for the cor. of secs. 16, 17, 20 and 21.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p>				
64.80					
71.10					
80.00					
1.00	<p style="text-align: center;">T31S R17E <table border="1" style="margin: auto;"> <tr> <td>S17</td> <td>S16</td> </tr> <tr> <td>S20</td> <td>S21</td> </tr> </table> 1957</p> <p>Land, rolling mesa and broken breaks of Calf Canyon. Soil, shallow sand and considerable sandstone exposure. Timber, scattered juniper and pinion.</p>	S17	S16	S20	S21
S17	S16				
S20	S21				
7.50	<p>N. 0° 03' W., bet. secs. 16 and 17.</p> <p>Over broken land, through scattered juniper and pinion; asc. 20 ft. along SE. slope.</p> <p>Spur, projects NE.; desc. 200 ft. over ledgy NW. slope.</p> <p>Wash, 10 lks. wide, 1 ft. deep, drains NE.; asc. 130 ft. over ledges on SE. slope.</p> <p>Spur, slopes N. 10° E.; desc. 240 ft. over ledges on NW. slope.</p> <p>Wash, in the bottom of Calf Canyon, 30 lks. wide, 4 ft. deep, drains SE.; asc. 10 ft. along W. slope.</p> <p>Point for the ¼ sec. cor. of secs. 16 and 17.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p>				
12.50					
33.10					
40.00					
40.90	<p style="text-align: center;">T31S R17E <table border="1" style="margin: auto;"> <tr> <td>S17</td> <td>S16</td> </tr> </table> 1957</p> <p>Recross wash, in bottom of Calf Canyon, 20 lks. wide, 4 ft. deep, drains S. 10° W.; asc. 10 ft. along E. slope.</p> <p>Recross same wash, drains S. 10° E. from N. 60° W.; asc. 50 ft. along W. slope.</p> <p>Base of abrupt ascent, bears N. 80° W. and S. 20° E.; asc. 280 ft. over ledges on S. slope.</p> <p>Rim, bears irregularly NW. and SE.; asc. 120 ft. over steep S. slope.</p> <p>Point for the cor. of secs. 8, 9, 16 and 17.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.</p>	S17	S16		
S17	S16				
46.40					
67.50					
72.80					
80.00					

Portion of the subdivision, T. 31 S., R. 17 E.

Chains	<p style="text-align: center;">T31S R17E S 8 S 9 S17 S16 1957</p> <p>Land, broken breaks of Calf Canyon. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.</p>	<p>cont'd</p>
<p>5.50</p> <p>30.40</p> <p>40.00</p>	<p>N. 0° 03' W., bet. secs. 8 and 9.</p> <p>Over ledges, through scattered timber; asc. 170 ft.</p> <p>N. rim of Calf Canyon, a ledge about 50 ft. high, bears W. and E. irregularly; asc. 60 ft. along rim of Canyon.</p> <p>Leave rim of Calf Canyon, bearing NW. and S. irregularly; asc. 20 ft. along W. slope.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 3$\frac{1}{2}$ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E S 8 S 9 1957</p>	
<p>59.10</p> <p>80.00</p>	<p>Asc. 10 ft. along W. slope.</p> <p>Spur, slopes NE.; desc. 120 ft. over NW. slope.</p> <p>Point for the cor. of secs. 4, 5, 8 and 9.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3$\frac{1}{2}$ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E S 5 S 4 S 8 S 9 1957</p> <p>Land, rough broken breaks of Calf Canyon. Soil, shallow and exposed sandstone. Timber, scattered juniper and pinion.</p>	
<p>3.10</p> <p>35.50</p> <p>40.00</p>	<p>N. 0° 07' E., bet. secs. 4 and 5.</p> <p>Over rolling sandstone, through scattered timber; desc. 10 ft. over N. slope.</p> <p>S. rim of canyon, a ledge about 20 ft. high, bears N. 60° W. and S. 60° E.; desc. 370 ft. over ledges on NE. slope.</p> <p>Wash in bottom of canyon, 20 lks. wide, 3 ft. deep, drains E.; asc. 110 ft. over ledges on S. slope.</p> <p>Spur, projects E.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.</p>	

Portion of the Subdivision, T. 31 S., R. 17 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R17E

¼

S 5 | S 4

1957

Desc. 80 ft. over ledges on N. slope.

45.50 Wash, drains SE.; asc. 280 ft. over ledgy S. slope.

52.90 N. rim of canyon, a ledge about 50 ft. high, bears E. and W. irregularly; asc. 50 ft. over S. slope.

66.90 Spur, projects E.; desc. 70 ft. over ledges on N. slope.

80.01 The cor. of secs. 4, 5, 32 and 33 on the N. bdy.

Land, broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinion.

From the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the township.

S. 0° 01' E., bet. secs. 1 and 2.

Through scattered timber; desc. 90 ft. over broken W. slope.

28.20 Point selected for the witness ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T31S R17E

¼

S 2 | S 1

W.C

1957

28.30 N. rim of Cataract Canyon, a ledge about 50 ft. high, bears N. 80° E. and W.; by triangulation desc. approx. 600 ft. over S. facing ledges.

40.00 True point for the ¼ sec. cor. of secs. 1 and 2 falls on inaccessible S. facing ledge on the N. side of Cataract Canyon, where it is impractical to set the monument.

Continue to desc. approx. 600 ft. over S. facing ledges and steep S. sloping talus.

52.60 Point for the meander cor. of secs. 1 and 2 on the right bank of the Colorado River is inaccessible and was not monumented.

Cross the river, course S. 70° W.

57.80 Point for the meander cor. of secs. 1 and 2 on the left bank of the river is inaccessible and was not monumented.

Asc. approx. 1200 ft. over NW. facing ledges.

79.50 S. rim of Cataract Canyon, a ledge approx. 100 ft. high, bears NE. and S. 30° W.; asc. 10 ft. over S. slope.

Portion of the Subdivision T. 31 S., R. 17 E.

Chains		Station
80.00	<p>Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., over across (X) on sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E S 2 S 1 S11 S12 1957</p> <p>Land, broken breaks of Cataract Canyon. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.</p>	00.00
19.20	<p>From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the township S. 0° 01' E., bet. secs. 2 and 3.</p> <p>Over broken land, through scattered timber; asc. 70 ft. over broken W. slope.</p> <p>Spur, projects S. 30° W.; desc. 280 ft. over ledges on E. slope.</p>	00.00
40.00	<p>Point for the ¼ sec. cor. of secs. 2 and 3.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E S 3 S 2 S10 S11 1957</p> <p>Desc. 10 ft. over S. slope.</p>	00.00
45.50	<p>N. rim of box canyon, a ledge approx. 150 ft. high, bears N. 80° W. and S. 80° E.; desc. approx. 200 ft. over ledges on S. slope.</p>	00.00
51.30	<p>Wash in bottom of canyon, drains SE. to the Colorado River; asc. approx. 550 ft. over ledgy NE. slope.</p>	00.00
59.20	<p>Spur, on S. rim of canyon, slopes sharply E.; asc. 60 ft. over broken NE. slope.</p>	00.00
77.10	<p>Spur, slopes S. 80° E.; desc. 10 ft. over S. slope.</p>	00.00
80.00	<p>Point for the cor. of secs. 2, 3, 10 and 11.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R17E S 3 S 2 S10 S11 1957</p> <p>Land, broken breaks of the Colorado River. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.</p>	00.00
		00.00

Section of the Subdivision, T. 31 S., R. 17 E.

Chains	
	From the cor. of secs. 1, 2, 11 and 12.
	N. 89° 30' W., bet. secs. 2 and 11 on a theoretical parallel connecting the true point for the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 5, 8 and 9, as specified in the special instructions.
	Over breaks of Cataract Canyon, through scattered timber; desc. 10 ft. over NW. slope.
0.50	E. rim of Cataract Canyon, a ledge approx. 100 ft. high, bears irregularly NB. and SW.; by triangulation desc. approx. 500 ft. over ledges.
10.00	Base of ledges, bears irregularly NE. and SW.; continue to desc. approx. 200 ft. over steep NW. sloping talus.
23.75	Point for the meander cor. of secs. 2 and 11 on the left bank of the Colorado River is inaccessible and was not monumented.
	Thence cross river, course SW.
27.80	Point for the meander cor. of secs. 2 and 11 on the right bank of the river is inaccessible and was not monumented.
	Asc. approx. 40 ft. over sandy E. slope.
37.50	Wash, approx. 30 lks. wide, 5 ft. deep, drains S. approx. 8 chs. to the Colorado River; asc. approx. 160 ft. over ledgy NE. slope.
40.04	True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11 falls on face of NE. facing ledge, where it is impractical to set the monument.
	Continue to asc. approx. 600 ft. along NE. facing ledges.
57.50	Spur, projects NE.; end of triangulation.
57.60	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface, and supported in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T31S R17E $\frac{1}{4}$ $\frac{S 2}{S11} \frac{W}{C}$ 1957
	Desc. 40 ft. over steep NW. slope.
60.50	Wash, drains NE.; asc. 280 ft. over ledgy E. slope of spur, projecting E.
80.08	The cor. of secs. 2, 3, 10 and 11.
	Land, rough and broken breaks of Cataract Canyon. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.
	From the cor. of secs. 16, 17, 20 and 21.
	S. 89° 58' E., bet. secs. 16 and 21.
	Over broken land, through thinly scattered timber.
	By triangulation desc. approx. 200 ft. over ledgy E. slope.

Portion of the Subdivision T. 31 S., R. 17 E.

Chains	
5.00	Wash, drains N.; asc. approx. 160 ft. over ledgy W. slope.
9.00	Spur, projecting N.; desc. approx. 80 ft. over ledgy NE. slope.
12.00	Wash, drains NW. approx. 8 chs. to junction with wash draining N.; asc. approx. 200 ft. along steep N. slope of spur.
32.50	Spur, projects N.; desc. approx. 80 ft. over NE. slope.
36.00	Cove, drains N.; asc. approx. 80 ft. over ledgy W. slope.
37.29	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T31S R17E $\frac{S16}{S21}$ $\frac{W}{C}$ 1957
	Asc. 20 ft. over broken N. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17 falls on face of ledge approx. 30 ft. high, facing NW., where it is impractical to set the monument. Continue over broken N. slope.
41.10	Spur, projects N.; desc. approx. 280 ft. over ledges on E. slope.
53.50	Wash, drains N.; asc. approx. 250 ft. over ledgy W. slope.
63.10	N. end of sandstone butte; end of triangulation; desc. 230 ft. over ledgy E. slope.
69.00	Base of abrupt descent, bears irregularly NE. and S.; thence desc. 40 ft. over E. slope.
80.00	Point for the cor. of secs. 15, 16, 21 and 22. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T31S R17E $\frac{S16}{S21}$ $\frac{S15}{S22}$ 1957
	Land, broken sandstone ledges. Soil, shallow sand and exposed sandstone. Timber, thinly scattered juniper and pinion.
	N. $0^{\circ} 02'$ W., bet. secs. 15 and 16.
	Over rolling land, with a general SE. drainage, through scattered timber.
	Asc. 40 ft. over SE. slope.
13.90	Spur, projects NE.; desc. ledgy NE. slope.
28.80	Rim of inner gorge of Calf Canyon, a ledge approx. 200 ft. high, bears N. 70° W., approx. 6 chs., thence NE. and SW.; desc. 200 ft.

Portion of the Subdivision, T. 31 S., R. 17 E.

Chains	
32.60	Wash in the bottom of Calf Canyon, 50 lks. wide, 5 ft. deep, drains sharply S. 80° E. to junction with the Colorado River; asc. 240 ft. over high ledges on SE. slope.
35.60	N. rim of inner gorge of Calf Canyon, a ledge approx. 60 ft. high, bears N. 60° E. and S. 60° W.; asc. 20 ft. over S. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T31S R17E
	$\begin{array}{c} \frac{1}{4} \\ \hline S16 S15 \\ \hline 1957 \end{array}$
	Asc. 120. ft. over broken W. slope.
53.00	Top of ascent on spur, projecting SW.; thence desc. 40 ft. along broken SW. slope.
70.60	Wash, drains SW.; asc. 70 ft. over S. slope.
77.40	Spur, slopes W.; desc. 30 ft. over N. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T31S R17E
	$\begin{array}{c} S. 9 S10 \\ \hline S16 S15 \\ \hline 1957 \end{array}$
	Land, rolling and broken. Soil, shallow sand and exposed sandstone. Timber, scattered juniper and pinion.
	N. 89° 59' W., bet. secs. 9 and 16.
	Over rolling land, through thinly scattered timber; desc. 180 ft. along N. slope.
8.80	Wash, 20 lks. wide, 10 ft. deep, drains S. 80° W.; asc. 30 ft. along S. slope.
12.90	Top of ascent, slopes SW.; desc. 50 ft. over W. slope.
14.60	Wash, 30 lks. wide, 4 ft. deep, drains S. 20° E.; asc. 120 ft. over ledges on NE. slope.
18.10	Top of ledge, approx. 20 ft. high, facing NE.; asc. 10 ft. along N. slope.
30.80	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

Portion of the subdivision, T. 31 S., R. 17 E.

Chains	
	<p>T31S R17E $\frac{1}{4}$ W <u>S 9</u> C <u>S16</u> 1957</p> <p>Asc. 40 ft. over SE. slope.</p>
32.00	Spur, sloping NE.; asc. 80 ft. along ledgy NW. slope.
40.04	True point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16 falls in wash, 30 lks. wide, 3 ft. deep, draining NE., where the monument cannot be perpetuated.
	By triangulation asc. approx. 400 ft. over SE. facing ledges.
52.60	End of triangulation on rim, bears irregularly NE. and SW.; asc. 100 ft. over SE. slope.
60.00	Spur, projects S.; desc. 60 ft. over broken SW. slope.
67.00	Sandstone knob on spur, projecting SW.; thence by triangulation desc. approx. 250 ft. over ledges on NW. slope.
74.00	End of triangulation at base of steep NW. slope; thence desc. 10 ft. over bench with general W. slope.
80.08	The cor. of secs. 8, 9, 16 and 17.
	Land, broken. Soil, shallow sand, with exposed sandstone. Timber, scattered juniper and pinion.
	From the cor. of secs. 29, 30, 31 and 32.
	N. 89° 59' W., bet. secs. 30 and 31.
	Over broken land, through scattered timber.
	Desc. 10 ft. over W. slope.
0.50	Wash, 40 lks. wide, 6 ft. deep, drains S. 20° E.; asc. 130 ft. over ledgy E. slope.
12.00	Spur, projects S. 20° E.; asc. 50 ft. along broken S. slope.
35.00	Spur, sloping SW.; desc. 80 ft. over ledgy W. slope.
37.60	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 30 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and supported in a mound of stone, 3½ ft. base top, with brass cap mkd.
	<p>T31S R17E $\frac{1}{4}$ W <u>S30</u> C <u>S31</u> 1957</p>
	Desc. 50 ft. over broken W. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31 falls on face of ledge facing W., where it is impractical to set the monument.
	Continue to desc. 40 ft. over W. slope.

Portion of the Subdivision, T. 31 S., R. 17 E.

Chains

49.90

Wash in the bottom of Waterhole Canyon, 30 lks. wide, 10 ft. deep, drains irregularly SE.; asc. 40 ft. over NE. slope.

58.60

Base of abrupt ascent, bears NW. and SE.; asc. 300 ft. over ledgy NE. slope.

76.50

S. rim of Waterhole Canyon, a ledge approx. 30 ft. high, bears N. 60° W. and SE.

77.53

The cor. of secs. 25, 30, 31 and 36 on the W. bdy.

Land, broken ledges of Waterhole Canyon.
Soil, shallow sandy, with exposed sandstone.
Timber, scattered juniper and pinion.

Meanders of the Colorado River

From the point for the meander cor. of secs. 1 and 2 on the right bank of the Colorado River.

Thence downstream with the meanders of the right bank of the river in sec. 2.

Over sandy land, subject to flooding.

S. 57° 25' W., 11.90 chs.

S. 49° 40' W., 23.00 chs.

S. 25° 30' W., 4.50 chs.

S. 40° 25' E., 2.50 chs. Point for the meander cor. of secs. 2 and 11.

Land, level sandy land.
Soil, sandy river silt.
Timber, none.

From the point for the meander cor. of secs. 1 and 2 on the left bank of the Colorado River.

Thence downstream with the meanders of the left bank of the river in sec. 2.

Over sandy land, subject to flooding.

S. 58° 30' W., 10.00 chs.

S. 20° 45' E., 2.90 chs.

S. 55° 20' W., 17.00 chs.

S. 26° 05' W., 5.00 chs. Point for the meander cor. of secs. 2 and 11.

Land, level sandy, subject to flooding.
Soil, sandy river silt.
Timber, none.

Chains

GENERAL DESCRIPTION

The land in T. 31 S., R. 17 E. is rolling and broken mesa land. The largest area of rolling land is found in the SW $\frac{1}{4}$ of the township and is known as Waterhole Flat. There is a finger mesa with erosional scarp approximately 500 ft. high, which is part of the "Orange Cliffs", encompassing most of the area of sec. 6. The remainder of the township is badly broken by deep, narrow canyons. The elevation of the township ranges from approximately 3700 ft. above sea level, along the Colorado River at the S. bdy. near the SE. cor. of sec. 32 to 6138 ft. on the mesa top in the SW. portion of sec. 6.

The soil of the township is principally a shallow sandy silt, a major portion of the township being exposed sandstone. There is a scattered growth of scrub juniper, pinion, black brush, bitter brush, mountain rush, grama grass and cacti covering most of the township.

The main drainage of the township is SW. by way of the Colorado River. The tributaries on the NW. side of the river drain S. and while those on the SE. side drain W. and SW. The Colorado River, which is a meanderable stream under surveying rules, enters the township at the E. bdy., 12 chs. S. of the $\frac{1}{4}$ sec. cor. of secs. 7 and 2, in a meander which curves SW. through the SE. cor. of sec. 2, to leave the township at the S. bdy., 16 chs. W. of the SE. cor. of sec. 32. There are three large tributary canyons to the Colorado River within the township. Waterhole Canyon enters the township at the W. bdy., 14 chs. N. of the SW. cor., draining SE. to a junction with the Colorado River near the S. bdy., approximately 16 chs. W. of the SE. cor. of sec. 32. Calf Canyon heads along the W. bdy. of sec. 7, draining SE. to a junction with the Colorado River in the SW. portion of sec. 15. A large unnamed canyon heads in the SW. portion of sec. 5, draining E. to a junction with the Colorado River near the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. That portion of the Colorado River in T. 31 S., R. 17 E. is rimmed by inaccessible ledges, approximately 1200 ft. high, forming Cataract Canyon. The remainder of drainage system consists of smaller canyons and washes.

The only permanent water noted during this survey was that of the Colorado River. However it is very probable that there are intermittent seeps along the bottom of the large canyons, but none were noted during the survey.

As this survey was carried on by use of helicopters, the condition of the three jeep roads noted is unknown except where they cross the lines of survey, and at these points it appears that they are little used.

During the survey of this township there was no evidence of any activity noted.

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, HEREBY CERTIFY upon honor the
pursuance of special instructions bearing date of the 12th day of October

I have surveyed the north and east boundaries and a portion of the subdivision of
Township 31 South, Range 17 East

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

March 17, 1958
Salt Lake City, Utah

Donald A. Cannon
Donald A. Cannon - Cartographic Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19

~~The foregoing field notes of the survey of _____
_____ executed by _____
having been critically examined and found correct, are hereby approved.~~

Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Office

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor the pursuance of special instructions bearing date of the 12th day of October 19

I have ~~examined~~ supervised the survey of the north and east boundaries and a part of the subdivision of Township 31 South, Range 17 East

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed under my supervision; and said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 17, 1958

Salt Lake City, Utah

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 13 1958

The foregoing field notes of the survey of the north and east boundaries and a portion of the subdivision of Township 31 South, Range 17 East, Salt Lake Meridian, Utah

executed by Donald A. Cannon, under the supervision of Vern E. Lane

having been critically examined and found correct, are hereby approved.

Carl G. Harrington, Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

257

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

THE NORTH AND EAST BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 31 SOUTH, RANGE 18 EAST

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Vern E. Lane - Cadastral Surveyor (Chief of Party)

Fred R. Chappell - Cadastral Surveyor

Phil D. Smith - Cadastral Surveyor

Donald A. Cannon - Cartographic Survey Aid

Under special instructions dated October 12, 1954, which provided

for the surveys included under Group No. 403, approved November 22, 1954

and assignment instructions dated April 22, 1957

Survey commenced May 20, 1957

Survey completed June 20, 1957

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Township 31 South, Range 18 East

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16-56770-1

Fred R. Chappell _____
 Phil D. Smith _____
 Donald A. Cannon _____

2339

Township 31 South, Range 18 East

Chains

The south and west boundaries of T. 31 S., R. 18 E. were surveyed concurrently under this same group by D. A. Cannon, and the record appears in the survey returns of T. 32 S., R. 18 E. and T. 31 S., R. 17 E., respectively.

The following field notes are those of the survey of the north and east boundaries and a portion of the subdivision of T. 31 S., R. 18 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

This survey was executed with W. and L. E. Gurley transits, serial Nos. 541329, 461263 and 541331, equipped with improved telescopic solar attachments, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the survey and were maintained in proper adjustment throughout the progress of the survey.

The directions of the lines of survey herein contained were determined generally by sustained angulation carried forward from an altitude observation on the sun for azimuth, supplemented by other numerous solar observations and augmented by use of the solar attachment, which was periodically checked on a meridian established by Polaris observations.

Corners on the east-west lines of the survey were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true methods, but for simplification of the record, the random lines are omitted from these field notes. In accordance with the intent of the special instructions, all subdivisional corners established were calculated to be at the positions they would occupy if the entire township were to be subdivided.

Measurements herein contained were made with Chicago narrow steel tapes, 8 chains in length, graduated every 1/10 link for the first link, every link for the next 99 links, and thereafter at intervals of every 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by two clinometers in good adjustment, the field notes show the horizontal equivalents only. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible to chaining were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of the township is in latitude $38^{\circ} 01' 56.4''$ N. and longitude $109^{\circ} 52' 54.6''$ W., as determined by traverse from U.S.G.S. triangulation station "House", situated in the south middle portion of section 1, T. 32 S., R. 18 E.

The magnetic declination was read at a number of stations throughout the township, and the average of these readings was found to be 15° E.

East Boundary of T. 31 S., R. 18 E.

Beginning at the cor. of Ts. 31 and 32 S., Rs. 18 and 19 E., a $2\frac{1}{2}$ in. iron post, conforming to the record.

North, bet. secs. 31 and 36.

Over broken desert land, through medium timber and scant undergrowth.

Desc. 85 ft. over N. slope.

East Boundary of T. 31 S., R. 18 E.

Chains	
13.50	Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 30 ft. over S. slope.
20.60	Spur, projects S. 80° E.; desc. 115 ft. over N. slope.
32.50	Draw, drains NE. from N. 60° W.; asc. 50 ft. over SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd. T31S R18E R19E * S36 S31 1957
	Deposit a sandstone, 4x3x2 ins., mkd. with a cross (X) at the base of the post. Asc. 50 ft. over SW. slope.
42.80	Spur, projects E.; desc. 190 ft. over N. slope.
66.90	Wash, 15 ft. wide, 1 ft. deep, drains E. 2.00 chs., thence NE.; asc. 80 ft. over S. slope.
80.00	Point for the cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mkd. T31S R18E R19E S25 S30 S36 S31 1957
	Land, broken desert. Soil, sandy clay loam, with exposed sandstone. Timber, medium juniper and pinon. Undergrowth, scattered bitter brush, owlump, mountain rush and grass
	North, bet. secs. 25 and 30. Over broken desert land, through medium timber and scattered undergrowth. Asc. 15 ft. over S. slope.
0.70	Rocky spur, projects SE., 2.00 chs. to end; desc. 120 ft. over NE. slope.
5.00	Draw, drains SE.; asc. 100 ft. over SE. slope.
10.00	Top of ascent; desc. 100 ft. over NE. slope.
28.60	Wash, 10 lks. wide, 2 ft. deep, drains N. 75° E.; asc. 40 ft. over S. slope.
38.50	Spur, projects NE.; desc. 30 ft. over NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

East Boundary of T. 31 S., R. 18 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.

T31S

R18E R19E

¼

S25|S30

1957

Deposit a sandstone, 6x6x3 ins., mkd. with a cross (X) at the base of the post.

Desc. 20 ft. over NW. slope.

43.00 Draw, drains NE.; asc. 20 ft. over SE. slope.

50.00 Spur, projects NE.; desc. 60 ft. over NW. slope.

62.80 Wash, drains NE.; asc. 40 ft. over SE. slope.

75.30 Rocky spur, projects E.; desc. 40 ft. over NE. slope.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.

T31S

R18E R19E

S24|S19

S25|S30

1957

Deposit a sandstone, 5x3x2 ins., mkd. with a cross (X) at the base of the post.

Land, broken desert.

Soil, sandy clay, with sandstone outcroppings.

Timber, medium juniper and pinion.

Undergrowth, scattered black brush, service berry, owiump, mountain rush, sagebrush and grass.

North, bet. secs. 19 and 24.

Over broken desert land, through medium timber and scattered undergrowth.

Desc. 130 ft. over NE. slope.

29.30 Wash, drains NE.; asc. 20 ft. along E. slope.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 3½ ft. base, with brass cap mkd.

T31S

R18E R19E

¼

S24|S19

1957

Deposit a sandstone, 4x4x2 ins., mkd. with a cross (X) at the base of the post.

Thence over nearly level bench top.

Chains	
52.00	Small rim, bears NE. and SW.; desc. 100 ft. over N. slope.
70.10	Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 30 ft. along E. slope.
80.00	Point for the cor. of secs. 13, 18, 19 and 24. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd. T31S R18E R19E S13 S18 S24 S19 1957 Deposit a sandstone, 5x3x2 ins., mkd. with a cross (X) at the base of the post. Land, broken desert, Soil, sandy clay, with exposed sandstone ledges and knobs. Timber, medium juniper and pinion. Undergrowth, scattered bitter brush, sagebrush and grama grass.
	North, bet. secs. 13 and 18. Over broken and rolling desert land, through scattered timber and medium undergrowth. Desc. 30 ft.
8.00	Small swale, drains E.; asc. 50 ft. along gentle E. slope.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd. T31S R18E R19E ¼ S13 S18 1957 Deposit a sandstone, 8x8x3 ins., mkd. with a cross (X) at the base of the post. Asc. 40 ft. over S. slope.
42.80	Top of sandstone knob; desc. 90 ft. over N. slope.
49.00	S. edge of grass covered opening, bears NE. and SW.
63.00	N. edge of opening, bears E. and W.; desc. 30 ft.
75.50	Wash, 30 lks. wide, 5 ft. deep, drains W.
80.00	Point for the cor. of secs. 7, 12, 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mkd. T31S R18E R19E S12 S7 S13 S18 1957

East Boundary of T. 31 S., R. 18 E.

Chains

Land, rolling desert.
Soil, sandy clay loam, with exposed sandstone.
Timber, scattered juniper and pinion.
Undergrowth, scattered owiump, black brush, greasewood, sagebrush and medium dense grass.

North, bet. secs. 7 and 12.

Over rolling and broken desert land; asc. 20 ft. over S. slope.

7.80 Unimproved dirt road, bears NE. and SW.; asc. 70 ft. over S. slope.

39.00 Spur, projects W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mkd.

T31S
R18E R19E

$\frac{1}{4}$
S12 | S 7
1957

Asc. 30 ft.

48.65 Top of sandstone knob; desc. 190 ft. over N. slope.

80.00 Point for the cor. of secs. 1, 6, 7 and 12 falls on a sandstone knob, where the corner cannot be perpetuated.

Land, broken desert.

Soil, sandy clay loam, with exposed sandstone knobs and ledges.

Timber, scattered juniper and pinion.

Undergrowth, medium black brush, yellow top and grass.

North, bet. secs. 1 and 6.

Over broken desert land, through scattered timber and scant undergrowth.

1.60 Point for the witness cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T31S
R18E R19E

S 1 | S 6
S12 | S 7
W C
1957

Deposit a sandstone, 5x4x2 ins., mkd. with a cross (X) at the base of the post.

Thence over scattered sandstone knobs and boulders; desc. 160 ft. over N. slope.

4.70 Sandy saddle bet. sandstone knobs, bears E. and W. about 4.00 chs. wide, thence over a series of sandstone knobs and crevices.

East Boundary of T. 31 S., R. 18 E.

Chains	Description
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6 falls on the steep slope of a sandstone knob, where the corner cannot be perpetuated.
44.75	Point for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 6. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.
	T31S R18E R19E $\frac{1}{4}$ S 1 S 6 W C 1957
	Raise a mound of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, W. of cor. Desc. 70 ft. over gentle grass covered N. slope.
64.00	Wash, drains N. 10° E. from SW.
71.00	Same wash, drains NW. from S. 10° E.
72.00	Wash in Chesler Canyon, drains N. 70° W., 1 ch. to junction with was
79.60	Wash in Chesler Canyon, drains N. 30° E.
80.00	Point for the cor. of Ts. $30\frac{1}{2}$ and 31 S., Rs. 18 and 19 E.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd.
	T30 $\frac{1}{2}$ S R18E R19E S36 S31 S 1 S 6 T31S 1957
	Raise a mound of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, S. of cor. Land, broken and rolling desert: Soil, sandy clay, with numerous sandstone knobs, ribs and crevices. Timber, scattered juniper and pinion. Undergrowth, medium black brush, sagebrush, mountain rush, grama grass and Indian rice grass.

North Boundary of T. 31 S., R. 18 E.

	Beginning at the cor. of Ts. $30\frac{1}{2}$ and 31 S., Rs. 18 and 19 E., a $2\frac{1}{2}$ in iron post, conforming to the record.
	S. $89^{\circ} 57'$ W., bet. secs. 1 and 36.
	Over broken desert land, through medium timber and scattered undergrowth.
	Asc. 60 ft. over SE. slope.
4.50	Spur, projects NE.; desc. 40 ft. over NW. slope.
12.00	Wash, 8 lks. wide, 2 ft. deep, drains NE.; asc. 90 ft. over NE. slope
32.00	Spur, projects N.; desc. 170 ft. over a ledgy W. slope.
39.60	Draw, drains NW. about 2 chs. to junction with Butler Wash; asc. 20 ft. over E. slope.

North Boundary of T. 31 S., R. 18 E.

Chains

40.00

Point for the 1/4 sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam.; 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T30 1/4 S R18 E
S36
S 1
T31 S
1957

Deposit a sandstone, 8x8x2 ins., mkd. with a cross (X) at the base of the post.

Asc. 30 ft. over E. slope.

40.90

Spur, projects N. 2.00 chs. to end; desc. 50 ft. over ledges.

43.00

Butler Wash, drains N.; asc. 170 ft. over E. slope.

62.10

Spur ridge, projects N.; desc. 190 ft. over broken W. slope.

67.50

Cow Canyon, drains N.; asc. 160 ft. over broken E. slope.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T30 1/4 S R18 E
S35 | S36
S 2 | S 1
T31 S
1957

Land, broken desert.
Soil, sandy clay, with exposed sandstone boulders and ledges.
Timber, scattered and medium dense dwarf juniper and piñon.
Undergrowth, scattered black brush, bitter brush, service berry and grama grass.

S. 89° 57' W., bet. secs. 2 and 35.

Over broken desert land, through scattered timber and scant undergrowth.

0.40

Sandstone spur, projects N. 20° E.; desc. 200 ft. over a broken ledgy W. to NW. slope.

17.00

Enter Upper Red Lake, a nearly level sandy bottom land.

37.50

Wash, drains N. 10° E.; asc. 30 ft.; leave Upper Red Lake, bears N. 10° E. and S. 20° W.

40.00

Point for the 1/4 sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30 1/4 S R18 E
S35
S 2
T31 S
1957

Deposit a sandstone, 5x4x2 ins., mkd. with a cross (X) at the base of the post.

Chains
 Asc. 200 ft. over ledges facing E.
 45.00 Spur, projects N. 30° E.
 55.30 Rim of sandstone ledges, 100 ft. high, bears N. 30° E. and S. 30° W. desc. 350 ft. over broken NW. slope into Lower Red Lake.
 70.70 Wash in Lower Red Lake, drains SW.
 80.00 Point for the cor. of secs. 2, 3, 34 and 35.
 Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T30½S. R18E
 S34|S35
 S.3|S.2
 T31S
 1957

Deposit a sandstone, 4x4x4 ins., mkd. with a cross (X) at the base of the post.
 Land, broken desert.
 Soil, sandy clay loam, with exposed sandstone.
 Timber, scattered patches of juniper and pinion.
 Undergrowth, medium dense black brush, bitter brush, grass and weeds

S. 89° 57' W., bet. secs. 3 and 34.
 Over broken desert land, through scattered timber and scant undergrowth
 10.00 Leave Lower Red Lake; asc. 340 ft. over ledgy SE. slope.
 16.00 Spur ridge, projects N.20° E.; desc. 230 ft. over broken NW. slope.
 33.50 Draw, drains SW.; asc. 190 ft. over cliff, facing S. 60° E.
 40.00 Point for the ¼ sec. cor. of secs. 3 and 34.
 Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S. R18E
 S34
 ¼ S.3
 T31S
 1957

42.50 Spur, projects SW.; desc. 60 ft. over NW. slope.
 58.00 Rim, bears NE. and SW.; desc. 160 ft.
 64.50 Draw, drains NE.; asc. 200 ft. over ledges.
 69.40 E. rim of Island Mesa, 2.00 chs. wide, 7.00 chs. long, bears N. 20° E. and S. 20° W.
 71.40 W. rim of Island Mesa; desc. 250 ft. over broken W. slope.
 80.00 Point for the cor. of secs. 3, 4, 33 and 34.
 Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mkd.

North Boundary of T. 31 S., R. 18 E.

Chains

T30½S R18E

S33|S34

S 4|S 33

T31S

1957

Land, broken desert.

Soil, sandy clay, with exposed sandstone ledges and boulders.

Timber, scattered juniper and pinion.

Undergrowth, scattered sagebrush, service berry, mountain rush and medium dense grass in the canyon bottoms.

S. 89° 57' W., bet. secs. 4 and 33.

Over broken desert land, through scattered timber and scant undergrowth

2.70 Rim of ledges, bears N. and S.; desc. 250 ft. over broken W. slope.

9.80 Wash in bottom of canyon, drains N. 30° E.; asc. 350 ft. over SE. facing ledges.

22.50 Spur, projects SW., sandstone ledge, 20 lks. N.; desc. 140 ft. over S. changing to SW. slope.

32.00 Draw, drains S.; asc. 40 ft. over SE. slope.

40.00 Point for the ¼ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T30½S R18E

¼ S33

S 4

T31S

1957

Asc. 80 ft. over SE. slope.

45.50 S. edge of brush opening; asc. 250 ft. over E. to NE. slope.

70.80 Low sandstone ridge, projects N. 10° W. and S. 10° E.; desc. 50 ft. over W. slope.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T30½S R18E

S32|S33

S 5|S 4

T31S

1957

Deposit a sandstone rock, 4x4x2 ins., mkd. with a cross (X) at the base of the post.

Land, broken desert.

Soil, sandy clay loam, with exposed sandstone boulders and ledges.

Timber, scattered dwarf juniper and pinion.

Undergrowth, medium black brush, sagebrush, yellow top, service berry and grass.

North Boundary of T. 31 S., R. 18 E.

Chains

S. 89° 57' W., bet. secs. 5 and 32.

2.80

The S. rim of Cataract Canyon of the Colorado River, bears N. 20° E. and S. 20° W.; desc. about 1,200 ft. over S. wall of canyon.

Note: This portion of Cataract Canyon of the Colorado River is inaccessible and was not occupied. Topography is approximate as scaled from U.S.G.S. topographic maps; thence by triangulation.

27.70

The approx. position of the left bank of the Colorado River bears N. 30° E. and S. 30° W.; thence across river.

33.50

The approx. position of the right bank of the Colorado River bears N. 30° E. and S. 30° W.; asc. about 200 ft. over N. wall of canyon.

40.00

Point for the ¼ sec. cor. of secs. 5 and 32 falls on an inaccessible ledge, where the corner cannot be perpetuated and it is not monument asc. about 600 ft.

50.50

Saddle, bears N. 20° W. and S. 20° E.; desc. about 80 ft.

61.00

Draw, drains S. 65° W.; asc. about 150 ft. over a broken SE. slope.

80.00

Point for the cor. of secs. 5, 6, 31 and 32 falls on the steep slope of a sandstone knob, where the corner cannot be perpetuated.

From which, the point selected for its witness cor. bears N. 0° 03' W., 12.40 chs. dist.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mk

T30½S R18E
 S31|S32
 S 6|S 5
 W C
 T31S
 1957

Land, badly broken desert.

Soil, sandy clay, with the greater portion sandstone boulders and ledges.

Timber, widely scattered dwarf juniper and pinion.

Undergrowth, scant mountain rush, black brush, bitter brush and grass

S. 89° 57' W., bet. secs. 6 and 31.

Over broken desert land, through widely scattered dwarf timber and scant undergrowth; asc. about 600 ft. over ledgy SE. slope.

30.60

Rim of ledges, 50 ft. high, bears N. 60° E. and S. 60° W.; thence over rolling land; end of triangulation.

40.00

Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a large mound of stone, with brass cap mk

T30½S R18E
 S31
 S 6
 T31S
 1957

Asc. 120 ft. along S. slope.

North Boundary of T. 31 S., R. 18 E.

Chains	
62.30	Spur, projects SW.; desc. 100 ft. over W. slope.
81.48	The cor. of Ts. 30½ and 31 S., Rs. 17 and 18 E., monumented with a 2½ in. iron post, conforming to the record.
	Land, badly broken the first ½ mile, rolling the balance. Soil, sandy clay, with sandstone ledges and boulders. Timber, widely scattered dwarf juniper and pinion. Undergrowth, scant black brush, bitter brush, mountain rush, grass and weeds..
	Portion of the Subdivision, T. 31 S., R. 18 E.
	From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township, which is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of T. 32 S., R. 18 E., executed concurrently under this same group.
	N. 0° 01' W., bet. secs. 35 and 36.
	On high sandstone butte, through scattered timber; desc. 120 ft. over N. slope.
9.40	N. rim of butte, a ledge 40 ft. high, bears N. 60° E. and SW.; desc. 520 ft. over ledges on broken N. slope.
23.00	Slope changes to E.
26.00	Slope changes to NE.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T31S R18E ½ S35 S36 1957
	Desc. 110 ft. over NE. slope.
49.30	Wash, 20 lks. wide, 3 ft. deep, drains N. 20° W.; desc. 80 ft. over NW. slope.
79.00	Wash, 10 lks. wide, 1 ft. deep, drains N. 80° W. about 5 chs. to junction with wash from the S.; asc. 10 ft. over S. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.
	T31S R18E S26 S25 S35 S36 1957
	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the township.
	N. 89° 58' W., bet. secs. 25 and 36.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains	Through scattered timber; asc. 50 ft. over E. slope.
22.00	Spur, slopes SE.; asc. 30 ft. over S. slope.
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap mkd. T31S R18E $\frac{1}{4}$ $\frac{S25}{S36}$ 1957
	Asc. 300 ft. over ledges on SE. slope,
59.50	Top of high sandstone spire on spur, projecting N.; desc. 250 ft. over ledges on W. slope.
68.20	Base of abrupt descent, bears N. 10° E. and S. irregularly; desc. 1 ft. over slight W. slope.
80.04	The cor. of secs. 25, 26, 35 and 36. Land, rolling and broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.
From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the township which is mkd. by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of T. 32 S., R. 18 E., executed concurrently under this same group.	
	N. 0° 02' W.; bet. secs: 33 and 34. Over rolling land, general SW. drainage.
0.10	Wash, 15 lks. wide, 1 ft. deep, drains N. 85° W.; thence asc. 10 ft. over rolling land.
10.85	S. rim of gulch, bears NE. and SW., facing NW.; desc. 70 ft. over NW slope.
13.70	Wash in bottom of gulch, 20 lks. wide; 2 ft. deep, drains SW.; jeep road in wash bears N. 70° W. and N. 80° E.; asc. 70 ft. over broken sandstone SW. slope.
19.30	Sandstone knoll, 10 ft. high on top of spur, projecting S. 80° W.; S. rim of gulch bears N. 80° E. and S. 80° W.; facing N.; desc: 105 ft. over broken sandstone knolls; approx. 80 ft. high,
27.40	Jeep road, bears N. 40° E. and S. 40° W.; asc. 30 ft. over broken general S. slope.
37.90	Same road, bears N. 80° W. and S. 80° E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd. T31S R18E $\frac{1}{4}$ $\frac{S33}{S34}$ 1957
	Asc. 70 ft. over broken S. sandstone slope.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains	
44.90	Broken sandstone spur, projecting SW., approx. 5.00 chs. to end.
55.20	S. rim of box canyon, bears NE. and SW., facing NW.; desc. 140 ft. over broken NW. slope.
58.00	Base of slope, bears NE. and SW., thence across nearly level bottom of Devils Lane.
59.75	Jeep road, bears N. 20° E. to junction, approx. 8.00 chs. dist., and S. 25° W.
67.00	Road, bears N. 70° E. and S. 70° W.
73.00	Leave Devils Lane Canyon bottom, base of slope, bears NE. and SW., facing SE.; asc. 140 ft. over broken SE. slope.
78.20	N. rim of box canyon, bears N. 40° E. and S. 40° W., facing SE.; asc. 5 ft.
80.00	Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T31S R18E S28 S27 S33 S34 1957
	Land, south half rolling, north half broken. Soil, south half sandy loam, north half some decomposed sandstone. Timber, scattered juniper and pinion. Undergrowth, medium to heavy grass, black brush and Brigham tea.
	N. 0° 02' W., bet. secs. 27 and 28. Over broken land, general NE. drainage. Desc. 30 ft. over NW. slope.
8.70	S. rim of small box canyon, bears N. 20° E. and S. 20° W., facing NW.; desc. 140 ft. over NW. slope.
16.50	Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 160 ft. over broken S. slope.
20.90	N. rim of small box canyon, bears E. and W., facing S.; thence asc. 60 ft. over broken general S. slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.
	T31S R18E ¼ S28 S27 1957
	Desc. 70 ft. over broken general N. slope.
56.30	Rim of canyon, bears N. 30° E. and S. 30° W., with vertical ledge approx. 60 ft. high, facing NW.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains	Thence by triangulation; desc. about 290 ft.	00.00
80.00	End of triangulation. Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.	00.00
	T31S R18E S21 S22 S28 S27 1957	
	Land, broken with numerous canyons. Soil, sandy. Timber, scattered juniper, some pinion. Undergrowth, heavy grass in canyon bottoms, moderate black brush and cacti.	
	N, 0° 02' W., bet. secs. 21 and 22.	
	Over broken land, general S. slope; asc. 20 ft.	
7.20	Low divide, approx. 4 chs. E., bears N. 10° E. and S. 10° W.; desc. ft. over general NE. slope.	
16.50	Low spur, sloping NE., approx. 7 chs. to end; continue to desc. 20 ft. over NW. slope.	
17.65	Rim, bears NE. and SW. with vertical ledge approx. 45 ft. high, facing NW.; desc. abruptly 140 ft.	
23.00	Base of slope, bears NE. and SW., thence across wash bottom.	
25.40	Center of wash, course NE.; asc. 70 ft. over broken SE. slope.	
33.40	Spur on rim, projecting NE., approx. 2 chs. to end; desc. 10 ft.	
35.95	Wash, 40 lks. wide, 4 ft. deep, drains S, 50° E.; asc. 40 ft. over SW. slope.	
40.00	Point for the ¼ sec. cor. of secs. 21 and 22, Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.	
	T31S R18E S21 S22 1957	
	Corner is located 15 lks. W. of ledge, approx. 10 ft. high, facing SW.	
	Asc. 20 ft. over SW. slope.	
42.80	Ledge, approx. 15 ft. high, facing SW., bears S. 70° E. and N.; asc. 10 ft.	
49.30	S. edge of swale, bears NE. and SW., facing NW.	
55.00	Center of swale.	
62.50	N. edge of swale, bears NE. and SW., facing SE., with vertical ledge 60 ft. high; asc. 70 ft. over broken SW. slope.	

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains	
69.15	Crest of slope; desc. 80 ft. over broken NW. slope.
79.20	Rim, broken, bears NE. and SW.
80.00	Point for the cor. of secs. 15, 16, 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T31S R18E S16 S15 S21 S22 1957 Land, broken, with numerous washes and spurs and rims. Soil, sandy and rocky. Timber, scattered to medium scrub juniper and pinion. Undergrowth, scattered to medium scrub oak, yellow brush, some black brush and cacti, heavy grass in wash bottoms.
	N. 0° 02' W., bet. secs. 15 and 16. By triangulation; desc. about 200 ft.
19.50	Wash, drains NE.; asc. about 150 ft. over SE. slope.
37.40	Rim, broken, bears N. 65° E. and S. 65° W. Thence by chaining, over nearly level land.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T31S R18E ¼ S16 S15 1957
45.00	Leave nearly level land; desc. 130 ft. over broken NE. slope.
79.60	Point selected for the witness cor. of secs. 9, 10, 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd. T31S R18E W C S 9 S10 S16 S15 1957
80.00	True point for the cor. of secs. 9, 10, 15 and 16 falls on extreme edge of rim, bears NE. and SW., with vertical ledge approx. 100 ft. high, facing NW., where it is impractical to monument the corner. Land, broken. Soil, sandy and rocky. Timber, scattered to medium scrub juniper and pinion. Undergrowth, scattered to medium black brush, yellow brush, cacti, Brigham tea, heavy grass in wash bottoms.

Portion of the ... Division, T31S, R. 18E.

Chains	N. 0° 02' W., bet. secs. 9 and 10	acted
	By triangulation; desc. 190 ft. over NW face of ledge	21.00
2.00	Base of descent, bears NE. and SW.	05.00
7.50	Junction of washes, drains NW from SW. and NE	00.00
11.50	Thence by chaining; asc. 90 ft. over broken SE. slope.	
15.95	Rim, bears NE. and SW., with broken ledge facing SE.	
18.65	Spur, projecting SW., approx. 10 chs. to end; desc. 130 ft. over broken NW. slope.	
39.20	Base of descent, bears NE. and SW.	
40.00	Point for the 1/4 sec. cor. of secs. 9 and 10.	
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground and in a mound of stone, 2 ft. base to top, with brass cap mkd.	
	T31S R18E	
	1/4	
	S. 9 S10	
	1957	
	Desc. 10 ft. over sandy NW. slope.	
41.35	Wash, 20 lks. wide, 3 ft. deep, drains N. 30° E.	
45.00	By triangulation; asc. about 50 ft.	
56.00	Base of slope, bears NE. and SW.; asc. about 200 ft.	
59.80	Rim, bears NE. and SW., with broken ledge approx. 80 ft. high, facing SE.	
	Thence by chaining; desc. 50 ft. over sandy NW. slope.	
80.00	Point for the cor. of secs. 3, 4, 9 and 10.	
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.	
	T31S R18E	
	S. 4 S3	
	S. 9 S10	
	1957	
	Deposit sandstone, 8x10x10 ins., mkd. with a cross (X) alongside the iron post.	
	Land, broken.	
	Soil, sandy and rocky.	
	Timber, scattered scrub juniper and pinion.	
	Undergrowth, moderate black brush, yellow brush, sparse cacti, and moderate grass.	
12.90	N. 0° 17' W., bet. secs. 3 and 4.	
	Over broken land; general drainage NE.	
	Rim, bears NE. and SW., with vertical ledge approx. 200 ft. high, facing NW.	

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains	
	Thence by triangulation; desc. about 150 ft.
17.50	Base of descent, thence over wash bottom.
30.00	Wash, 15 lks. wide, 2 ft. deep, drains S. 30° W. from N. 35° E.
39.00	Base of slope, approx. 250 ft. high, bears NE. and SW.; begin ascent.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4 falls on steep loose talus slope, where it is impractical to monument the corner.
43.00	Rim, bears NE. and SW., with broken vertical ledge approx. 170 ft. high, facing SE.
45.00	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd. T 31 S R 18 E $\frac{1}{4}$ S 4 $\frac{1}{2}$ S W C 1957
	Deposit sandstone, 6x6x3 ins., mkd. with a cross (X) alongside the iron post.
	Desc. 70 ft. over broken rocky NW. slope.
65.22	Point selected for the witness point. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd. W P S 4 $\frac{1}{2}$ S 1957
	Cor. sets on ledge, 6 ft. wide, 4 ft. high, bears NE. and SW.
	Thence by triangulation; desc. about 280 ft. over broken ledges facing NW.
65.30	Rim, bears NE. and SW., with broken vertical ledge approx. 70 ft. high, facing NW.
66.75	Base of ledge, bears NE. and SW.; desc. talus slope.
70.00	Base of talus slope, bears NE. and SW.
79.70	The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the township. Land, broken. Soil, sandy and rocky. Timber, scattered scrub juniper and pinion. Undergrowth, moderate black brush, sparse yellow brush and cacti.
	Beginning at the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the township. S. 0° 01' E., bet. secs. 1 and 2. Over broken desert land, through medium timber and undergrowth. Desc. 60 ft. over SE. slope.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chase

33.60 Wash in bottom of Cow Canyon, drains NE.; asc. 40 ft. over broken NW. slope.

39.10 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T31S R18E

$\frac{1}{4}$
S 2 | S 1
W C
1957

Deposit a sandstone, 6x4x3 ins., mkd. with a cross (X) at the base of the post.

39.91 True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2 falls on a sandstone boulder where the corner cannot be perpetuated.

Asc. 155 ft. over a ledgy NW. slope.

43.70 Rim of mesa, bears NE. and SW.; thence over gently rolling mesa top.

79.91 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over across (X) cut in solid sandstone, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R18E

S 2 | S 1
S11 | S12
1957

Land, broken and rolling desert.
Soil, sandy loam the first $\frac{1}{4}$ mile, rocky sandy clay the balance.
Timber, scattered juniper and piñon.
Undergrowth, scant black brush, bitter brush, service berry, mountain rush, medium dense grass and weeds.

N. 89° 59' W., bet. secs. 2 and 11.

Over gently rolling mesa land.

12.00 Spur ridge, projects NE.

20.70 E. rim of Cow Canyon, bears N. 20° E. and S. 20° W.; desc. 170 ft. over broken NW. slope.

29.60 Wash in bottom of Cow Canyon, drains N. 20° E.; asc. 140 ft. over SE. sandstone slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T31S R18E

$\frac{1}{4}$ $\frac{S 2}{S11}$
1957

Portion of the Subdivision T. 31 S., R. 18 E.

Chains

Deposit a sandstone, 4x4 ins., mkd. with a cross (X) at the base of the post.

44.00 Enter nearly level grassy bench land.

69.00 Rim of sandstone ledges, bears NE. and SW.; desc. 315 ft. over ledges.

75.00 Enter grassy bottom land.

80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T31S R18E

S 3 | S 2

810 | 811

1957

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of the iron post.

Land, broken and rolling desert.

Soil, sandy loam and rocky.

Timber, scattered juniper and pinion.

Undergrowth, scattered black brush, service berry, mountain rush, grass and weeds.

N. 0° 04' E., bet. secs. 2 and 3.

Over broken and rolling desert land, through scattered timber and scant undergrowth.

10.00 Leave bottom land; asc. 145 ft. over rocky sandstone SE. slope.

38.40 Point for the witness ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T31S R18E

¼

S 3 | S 2

W C

1957

38.50 Rim of sandstone ledges, bears N. 20° E. and S. 20° W.; desc. 200 ft. over ledges facing NW.

40.00 Point for the ¼ sec. cor. of secs. 2 and 3 falls on an inaccessible ledge.

Counting distance from the true point for the ¼ sec. cor. of secs. 2 and 3; desc. 200 ft. over broken NW. slope.

43.00 Enter bottom land, Lower Red Lake, thence over nearly level land covered with medium dense grass and weeds.

79.80 The cor. of secs. 2, 3, 34 and 35 on the W. bdy. of the township.

Land, broken and nearly level bottom land.

Soil, sandy clay, with exposed sandstone the first ¼ mile, sandy loam the balance.

Timber, scattered patches of juniper and pinion.

Undergrowth, scattered black brush, service berry, mountain rush and grass on the rocky land, medium dense grass and weeds on the bottom land.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains	
	From the cor. of secs. 15, 16, 21 and 22. West, bet. secs. 16 and 21. By triangulation; desc. about 170 ft.
0.80	Rim, broken, bears N. 65° E. and S. 65° W.
10.50	Wash, drains NE.; asc. about 100 ft. over SE. slope.
17.50	Sandstone ridge, bears NE. and SW.; desc. about 100 ft.
30.00	Asc. 100 ft. over E. edge of bench, bears N. 50° E. and S. 55° W. Thence by chaining; asc. 20 ft. over rolling SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. <div style="text-align: center;"> T31S R18E ¼ $\frac{S16}{S21}$ 1957 </div>
40.30	Small wash, drains N. 60° E.; asc. 40 ft. over broken NE. sandstone slope.
41.60	Spur, sloping NE.; desc. 50 ft. over NW. slope.
55.10	Gulch, drains N. 60° E.; asc. 60 ft. over broken SE. slope.
60.25	Low saddle in long spur, sloping N.; desc. 60 ft. over NW. slope.
67.20	Ledge, 15 ft. high, bears N. 45° E. and S. 40° W., facing NW.; also E. edge of grassy wash bottom.
72.00	Center of wash bottom, drains NE.
75.60	Point selected for the witness cor. of secs. 16, 17, 20 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a mound of stone, 2½ ft. base to top, with brass cap mkd. <div style="text-align: center;"> T31S R18E W $\frac{S17}{S16}$ C $\frac{S20}{S21}$ 1957 </div>
76.10	Base of vertical ledge, facing SE., bears N. 50° E. and S. 40° W.; asc. 120 ft.
77.00	Top of ascent on long spur sloping N. 50° E.
80.00	True point for the cor. of secs. 16, 17, 20 and 21 falls on top of nearly inaccessible spur, where it is impractical to monument the cor. Land, broken, with spurs, rims and ledges. Soil, sandy. Timber, scattered scrub juniper and pinon. Undergrowth, moderate to heavy black brush, yellow brush and cacti, heavy grass in wash bottoms.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains

From the true point for the cor. of secs. 16, 17, 20 and 21.

N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.

Over rough broken land, general drainage NW.

Desc. 160 ft. over broken N. slope of long spur, sloping N. 55° E.

14.35 Rim of Cross Canyon, bears N. 70° E. and S. 70° W., approx. 3 chs., thence NW., thence along broken E. rim of canyon.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17 falls in Cross Canyon, where the corner cannot be perpetuated. Therefore, at a point, 4.50 chs. E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R18E

W $\frac{1}{4}$ S17 | S16
C 1957

Corner is located 20 lks. S. of side wash, 1 ch. wide, 70 ft. deep, drains S. 80° W. and in approx. center of cove.

Continue along broken E. rim of Cross Canyon.

80.00 True point for the cor. of secs. 8, 9, 16 and 17 falls on E. rim of Cross Canyon, which bears N. 20° W. and S. 15° E., where it is impractical to set the monument.

Land, broken E. rim of Cross Canyon.

Soil, sandy and rocky.

Timber, none; undergrowth, none.

From the true point for the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over broken land, general drainage NE.

By triangulation and traverse; desc. about 190 ft. over NW. face of ledge.

3.50 Base of descent, bears NE. and SW., thence across wash bottom.

9.00 Wash channel, 15 lks. wide, 2 ft. deep, drains N. 25° E.

10.00 Base of talus slope of spur, bears NE. and SW.; asc. 100 ft.

12.50 Top of talus slope; continue to asc. 100 ft.

17.00 Spur, projects N. 30° E.; asc. 200 ft. over NW. slope.

25.10 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. 160 ft. over loose broken SE. slope.

39.50 Spur, projects S. 20° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

Chains

T31S R18E

$\frac{1}{4}$

S	9
S	16

 1957

Desc. 170 ft. over steep W. slope.

47.00 Wash, 30 lks. wide, 2 ft. deep, drains N.; asc. 200 ft. over broken NE. slope.

53.50 Rim, with broken vertical ledges facing NE., bears NE. and SW.; thence over nearly level top of bench.

64.00 Rim, with vertical ledge, approx. 120 ft. high, facing NE., bears NE. and SW.; desc. 160 ft. over ledgy NW. slope.

68.50 Wash, 30 lks. wide, 4 ft. deep, drains NE.; asc. 120 ft.

74.00 Island Mesa Rim, with broken ledges facing SE., bears NE. and SW.

74.30 Point selected for the witness cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R18E

W	S	8	S	9
C	S	17	S	16

 1957

80.00 True point for the cor. of secs. 8, 9, 16 and 17.

Land, rough, broken, with numerous rims, ledges and washes.
 Soil, rocky and sandy.
 Timber, scattered scrub juniper and pinion.
 Undergrowth, moderate black brush and cacti

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the township which is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of T. 32 S., R. 18 E., executed concurrently under this same group.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling land, general N. slope; desc, 140 ft.

10.00 Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. 140 ft. abruptly over S. slope.

15.80 Top of ascent, thence over rolling land.

34.18 Low saddle, bears E. and W.

38.50 Point selected for the witness ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R18E

W C

$\frac{1}{4}$

S	32	S	33
---	----	---	----

 1957

38.70 Rim of mesa, bet. Imperial Valley and Cross Canyon, with vertical ledge 25 ft. high, facing N., bears SW. and E. to SE.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains

Thence by triangulation; desc. about 250 ft. over NW. slope.

- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls at base of ledges and on top of talus slope, where it is impractical to set the monument.
- 47.80 Base of descent, bears NE. and SW., thence across wash bottom.
- 71.00 Small wash channel, drains NW.
- 80.00 Point for the cor. of secs. 28, 29, 32 and 33.
- Set an iron post; 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.

T31S R18E

S29|S28

S32|S33

1957

Deposit sandstone, 4x4x8 ins., mkd. with a cross (X) alongside the iron post.

Land, rolling.

Soil, sandy.

Timber, scattered scrub juniper and pinion.

Undergrowth, medium sagebrush, cacti, heavy grass and some Brigham tea.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the township, which is mkd. by an iron post, $2\frac{1}{2}$ ins. diam., firmly set, mkd. and witnessed as described in the field notes of T. 32 S., R. 18 E., surveyed concurrently under this same group.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over nearly level bottom of Imperial Valley; desc. 20 ft. over slight E. slope.

- 13.90 Road, unimproved, Imperial Valley-Cross Canyon, bears N. 80° E. and S. 80° W.; asc. 150 ft. over ledges on S. slope.
- 28.00 Top of ascent and Imperial Valley, bears NE.; desc. 30 ft. over NW. slope.
- 35.80 Wash, 10 lks. wide, 3 ft. deep, drains SW.; asc. 90 ft. over ledges on S. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R18E

S31|S32

1957

Asc. 160 ft. over broken ledges on S. slope.

- 52.60 Spur, projects SW.; desc. 190 ft. over broken ledges on NW. slope.
- 62.00 Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 130 ft. over broken ledges on S. slope.
- 78.10 Spur, slopes W.; desc. 50 ft. over NW. slope.

Portion of the Subdivision, T. 31 S., R. 18 E.

Chains

80.00

Point for the cor. of secs. 29, 30, 31 and 32.
Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T31S R18E
S30 | S29
S31 | S32
1957

Land, broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinion.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 57' W., bet. secs. 29 and 32.

Over rolling to broken land, through wash bottom.

Thence by triangulation.

6.00

Wash channel, drains NW.

13.00

Leave wash bottom, asc. 120 ft. over E. slope.

18.00

Rim of mesa with vertical ledge, 15 ft. high, facing E., bears N. and S.; continue to asc. 80 ft. over broken E. slope.

39.96

True point for the ¼ sec. cor. of secs. 29 and 32 falls on ledge, 4 ft. high, facing E., bears N. and S., where it is impractical to set the monument.

49.90

Point selected for the witness ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R18E
¼ S29 W
S32 C
1957

Continue to asc. 140 ft. over broken E. slope.

64.80

Top of ascent on spur, at head of wash, drains N.

Thence by chaining; desc. 120 ft. over NW. slope.

79.92

The cor. of secs. 29, 30, 31 and 32.

Land, rolling and broken.
Soil, sandy and rocky.
Timber, scattered scrub juniper and pinion.
Undergrowth, moderate black brush, some Brigham tea and cacti.

Township 31 South, Range 18 East

Chains

GENERAL DESCRIPTION

The general elevation of T. 31 S., R. 18 E. ranges from a low of approx. 3800 ft. above sea level in the Colorado River in the NW. portion of the township to a high of approx. 6900 ft. near the SW. cor. of sec. 36.

The land is rough and broken sandstone cliffs, rims and ledges in the NW. portion of the township, cut by a series of wide, flat washes in the NE. and S. middle portion of the township. These washes drain generally NE. into Butler Wash, which enters the township approx. 8 chs. S. of the cor. of secs. 7, 12, 13 and 18 on the E. bdy. and leaves approx. 3 chs. E. of the $\frac{1}{4}$ sec. cor. of secs. 1 and 36 on the N. bdy. The general drainage of the SW. portion of the township is NW. into Cross Canyon, which enters the township approx. 4 chs. E. of the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 on the S. bdy., drains NE. to a junction with the Imperial Valley Wash, approx. 8 chs. SE. of the NE. cor. of sec. 32, and continues generally N. to the Colorado River. The Colorado River enters the township approx. 12 chs. N. of the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 on the W. bdy., leaving approx. 25 chs. W. of the cor. of secs. 4, 5, 32 and 33 on the N. bdy. of the township.

The soil contained in the S. half of the township is sandy, sandy clay and loam, being sandy in the NE. portion and mostly sandstone in the NW. portion of the township.

There is one rough jeep trail known as Devils Lane which enters the township just N. of Butler Wash on the E. bdy. and enters Cross Canyon, with a junction approx. 15 chs. S. of the cor. of secs. 27, 28, 33 and 34, running S., which parallels and crosses the third meridional lines, leaving bet. the $\frac{1}{4}$ sec. cor. of secs. 3 and 34 and the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the township.

The township is covered with a scattered to moderate growth of scrub juniper and pinion and sagebrush. A good growth of native grasses is to be found in the bottoms of the majority of the washes throughout the township, although no seeps or other sources of water were noted within the township.

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that
pursuance of special instructions bearing date of the 12th day of October 1957
I have surveyed the north and east boundaries and a portion of the subdivision of
Township 31 South, Range 18 East

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and t
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the forego
field notes.

August 21, 1957
Salt Lake City, Utah

Fred R. Chappell
Fred R. Chappell - Cadastral Survey

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., 1957

The foregoing field notes of the survey of

executed by
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Phil D. Smith, HEREBY CERTIFY upon honor that
pursuance of special instructions bearing date of the 12th day of October, 1957

I have surveyed a portion of the subdivision of Township 31 South, Range 18 East

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

August 21, 1957
Salt Lake City, Utah

Phil D. Smith
Phil D. Smith - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 1957

The foregoing field notes of the survey of _____
executed by _____
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, HEREBY CERTIFY upon honor that,
pursuance of special instructions bearing date of the 12th day of October 1954
I have surveyed a portion of the subdivision of Township 31 South, Range 18 East
of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and the
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

August 21, 1957
Salt Lake City, Utah

Donald A. Cannon
Donald A. Cannon - Cartographic Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., 19

The foregoing field notes of the survey of
executed by
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that
pursuance of special instructions bearing date of the 12th day of October, 1957
I have ~~surveyed~~ supervised the survey of the north and east boundaries and a portion
of the subdivision of Township 31 South, Range 18 East

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

August 21, 1957
Salt Lake City, Utah

Vern E. Lane
Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., OCT 13 1958, 19

The foregoing field notes of the survey of the north and east boundaries and a portion
the subdivision of Township 31 South, Range 18 East, Salt Lake Meridian, Utah

executed by Phil D. Smith, Fred R. Chappell and Donald A. Cannon, under the supervision
of Vern E. Lane
having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in~~
~~is a true copy of the original field notes.~~

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original
FIELD NOTES

of the Survey

of

the North and East Boundaries

and

a Portion of the Subdivision

of

Township 31 South, Range 19 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane Cadastral Surveyor (Chief of Party)

Dell Cazier Cadastral Surveyor

Craig P. Sylvester Cartographic Survey Aid
Donald A. Cannon Cartographic Survey Aid

Under special instructions dated October 12, 1954, which provided
for the surveys included under Group No. 403, approved Nov. 22, 1954

and assignment instructions dated April 22, 1957

Survey commenced May 23, 1957

Survey completed June 24, 1957

INDEX DIAGRAM

Township 31 South , *Range* 19 East

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10-5870-1

- _____ Dell Cazier
- _____ C. P. Sylvester
- _____ D. A. Cannon

Township 31 South, Range 19 East

Chains

The south boundary was surveyed by C. P. Sylvester and D. A. Cannon and its record appears in the field notes of the 1956 survey of T. 32 S., R. 19 E. The west boundary was concurrently surveyed in 1957 by C. P. Sylvester under Group 403, and its record appears in the field notes of the survey of T. 31 S., R. 18 E.

The following field notes are those of the survey of the north and east boundaries and a portion of the subdivision of T. 31 S., R. 19 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

This survey was executed with two W. and L. E. Gurley transits Nos. 541326 and 541331, and a Buff and Buff No. 26066, all constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were all in good adjustment prior to the beginning of this survey and were maintained in proper adjustment throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; the field notes show horizontal equivalents only. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distance to topography on lines run by traverse or triangulation are approximate as scaled from U. S. G. S. topographic sheets. The details of such traverse or triangulation has been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation and supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position of the SE. corner of T. 31 S., R. 19 E. is at latitude $38^{\circ} 01' 56.4''$ N., and longitude $109^{\circ} 46' 20.3''$ W., as determined by traverse from U. S. G. S. Triangulation Station "House" which is situated in sec. 1, T. 32 S., R. 18 E.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 15° East.

East Boundary, T. 31 S., R. 19 E.

Chains	Description
	Beginning at the true point for the cor. of Ts. 31 and 32 S., Rs. 19 and 20 E.; North, bet. secs. 31 and 36. Over broken land, through thinly scattered juniper and pinion.
3.80	The witness cor. of Ts. 31 and 32 S., Rs. 19 and 20 E., mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as describe in the official record of the survey of T. 32 S., R. 19 E.
4.75	By traverse; desc. about 40 ft. over N. facing ledges.
6.00	Wash, near head, drains E.; asc. about 80 ft. over S. sloping slick-rock.
8.00	Sandstone dome; desc. about 300 ft. over NW. facing broken ledges.
18.50	Wash, near head, drains NE.; asc. about 160 ft. over SE. facing ledges.
22.50	Sandstone knob, on spur, projecting NE.; desc. about 240 ft. over NW. facing ledges.
28.00	Wash, near head, drains NE.; asc. approx. 200 ft. over SE. facing ledges.
33.00	Sandstone spur, projecting NE.; desc. approx. 120 ft. over broken N. facing ledges.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top of post, with brass cap mkd. T31S R19E R20E ¼ S36 S31 1957 Desc. approx. 20 ft. over N. slope.
41.50	Small wash, near head, drains NE.; asc. approx. 40 ft. over steep SE sloping slick rock.
43.00	Spur, projects NE.; desc. approx. 160 ft. over ledgy NW. slope.
48.50	Wash, near head, drains NE.; asc. approx. 320 ft. over SE. facing ledges.
54.50	Spur, projects NE.; desc. approx. 290 ft. over broken N. facing ledges.
63.00	Wash, near head, drains NE.; asc. approx. 240 ft. over SE. facing ledges.
70.00	Spur, projects NE.; desc. approx. 280 ft. over broken NW. facing ledges.
80.00	Point for the cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd. T31S R19E R20E S25 S30 S36 S31 1957 Land, series of narrow spurs and washes, with knobs and pinnacles on top of the spurs.

East Boundary, T. 31 S., R. 19 E.

Chains

Soil, sandy silt, with exposed sandstone.
Timber, thinly scattered juniper and pinion along the drainage.

North, bet. secs. 25 and 30.

Over broken land, through thinly scattered juniper and pinion.

Desc. approx. 40 ft. over sandy NW. slope.

2.50 Wash, 20 lks. wide, 2 ft. deep, drains NE.; asc. approx. 240 ft. over ledgy SE. slope.

7.00 Sandstone spur, projects NE, There are five pinnacles approx. 40 ft. high W. of line; desc. approx. 200 ft. over NW. facing ledges.

12.50 Wash, near head, drains NE.; asc. approx. 160 ft. over ledgy SE. slope.

15.00 Pinnacle on spur, projecting NE.; desc. approx. 160 ft. over NW. facing ledge.

16.50 Base of ledge, bears E. and W.; thence desc. approx. 120 ft. along W. slope.

29.00 Wash in the bottom of East Fork of Salt Creek, 2 chs. wide, 3 ft. deep, drains NW. approx. 14 chs. to a junction with Salt Creek; asc. approx. 120 ft. over sandy S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

T31S
R19E R20E
 $\frac{1}{4}$
S25|S30
1957

Asc. approx. 140 ft. over S. facing ledges.

42.50 Ridge, with pinnacles on top, bears E. and W.; desc. approx. 280 ft. over ledgy N. slope.

48.50 Wash in the bottom of Salt Creek, 2 chs. wide, 2 ft. deep, course NE. Flowing small stream of water at time of survey. Asc. approx. 100 ft. over sandy S. slope.

52.50 Sandy spur, projects E.; desc. approx. 100 ft. over sandy N. slope.

57.00 Salt Creek, course W.; asc. approx. 100 ft. over sandy S. slope.

62.50 W. edge of spur, projecting W.; desc. approx. 100 ft. over sandy N. slope.

67.00 Salt Creek, course NE., near a junction with a wash, draining from the W.; asc. approx. 100 ft. over sandy S. slope.

71.00 Base of ledge, bears E. and W.; asc. approx. 160 ft.

74.00 Knob of spur, projecting E.; desc. approx. 240 ft. over ledgy N. slope.

77.50 Salt Creek, course W.; asc. approx. 20 ft. over sandy S. slope.

East Boundary, T. 31 S., R. 17 E.

Chains	
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.
	<p style="text-align: center;">T318 R19E R20E S24 S19 S25 S30 1957</p>
	Deposit a sandstone, 10x6x2 ins., mkd. with a cross (X) alongside of post.
	Land, series of narrow spurs, cut by the meandering of Salt Creek. Soil, sandy silt, with exposed sandstone. Timber, thinly scattered juniper and pinion, and a few cottonwoods along the bottom of Salt Creek.
	North, bet. secs. 19 and 24.
	Over broken land.
	Asc. approx. 100 ft. over sandy S. slope.
4.00	Base of ledge, bears E. and W.; asc. approx. 100 ft.
6.00	Sandstone knob on broken spur, projects W.; desc. approx. 120 ft. over ledgy N. slope.
9.00	Base of steep N. slope; thence desc. approx. 40 ft. over rolling N. slope.
15.50	Salt Creek, course NE.; asc. approx. 80 ft. over sandy S. slope.
27.00	Base of ledge, bears NE. and SW.; asc. approx. 120 ft.
28.00	Spur, projects NE. from W.; desc. approx. 120 ft. over ledgy NW. slope.
33.00	Point selected for the witness ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.
	<p style="text-align: center;">T31S R19E R20E W C S24 S19 1957</p>
	Desc. approx. 20 ft. over steep sandy N. slope.
36.50	Wash, 10 lks. wide, 2 ft. deep, drains E.; asc. approx. 120 ft. over SE. facing ledges.
40.00	True point for the ¼ sec. cor. of secs. 19 and 24, falls on the face of SE. facing ledge, where it is impractical to set the monument.
	Asc. approx. 80 ft. over ledgy SE. slope.
44.00	Spur, projects NE.; desc. approx. 280 ft. over broken N. facing ledge.
54.00	Base of broken N. slope; thence desc. approx. 80 ft. over sandy N. slope.
61.00	Salt Creek, course W.; asc. approx. 20 ft. over sandy S. slope.

East Boundary, T. 31 S., R. 19 E.

Chains

- 65.00 Low sandy spur, projects SW.; desc. approx. 20 ft. over NW. slope.
- 69.00 Salt Creek, course NE.
- 70.00 Wash, 30 lks. wide, 2 ft. deep, drains E. 1 ch. to junction with Salt Creek.
- Asc. approx. 80 ft. over sandy S. slope.
- 74.00 Base of ledge, bears NE. and SW.; asc. approx. 80 ft. along SE. facing ledges.
- 76.75 Point selected for the witness cor. of secs. 13, 18, 19 and 24.
Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.
- T31S
R19E R20E
W C
S13|S18
S24|S19
1957
- Asc. about 40 ft. along broken SE. ledges.
- 78.00 Spur, projects E. to NE.; desc. approx. 80 ft. over ledgy NW. slope.
- 80.00 True point for the cor. of secs. 13, 18, 19 and 24 falls on broken NW. facing ledge, where it is impractical to set the monument.
- Land, broken.
Soil, sandy silt, with exposed sandstone.
Timber, thinly scattered juniper and pinion.
-
- North, bet. secs. 13 and 18.
- Over series of spurs and washes putting N. to NE.
- Desc. approx. 40 ft. over ledgy NE. slope.
- 1.50 Small wash, drains SE.; asc. approx. 150 ft. over ledgy S. slope.
- 8.00 Spur, projects E.; desc. approx. 220 ft. over ledgy N. slope.
- 13.50 Wash, near head, drains E.; asc. approx. 240 ft. over ledgy S. slope.
- 18.50 Narrow spur, projecting E.; desc. approx. 200 ft. over ledgy N. slope.
- 24.00 Wash, near head, drains NE.; asc. approx. 240 ft. over ledgy SE. slope.
- 34.00 Knob on spur projecting NE.; desc. approx. 160 ft. over ledgy NW. slope.
- 40.00 True point for the ¼ sec. cor. of secs. 13 and 18 falls on face of NW. facing ledge where it is impractical to set the monument.
Desc. approx. 30 ft. over ledge.
- 40.85 Point selected for the witness ¼ sec. cor. of secs. 13 and 18.

East Boundary, T. 32 S., R. 19 E., S. 12 N.

Chains		meters
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.	
	T31S R19E R20E S13 S18 W C 1957	
	Desc. approx. 50 ft. over steep N. slope.	
43.50	Wash, near head, drains E.; asc. approx. 200 ft. over S. facing ledge	
47.00	Sandstone spur, with knobs on top, projects E.; desc. approx. 200 ft. over N. facing ledges.	
51.50	Wash, near head, drains NE.; asc. approx. 300 ft. over ledgy and steep SE. sloping slick rock.	
58.00	Knob on sandstone spur projecting NE.; desc. approx. 200 ft. over steep NW. sloping slick rock.	
66.00	Rim, bears NE. and SW.; desc. approx. 160 ft.	
67.00	Base of ledge, bears NE. and SW.; thence desc. approx. 80 ft. over steep boulder strewn NW. slope.	
75.00	Wash, drains NE.; asc. approx. 60 ft. over sandy S. slope.	
80.00	Point for the cor. of secs. 7, 12, 13 and 18.	
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.	
	T31S R19E R20E S12 S 7 S13 S18 1957	
	Land, broken. Soil, sandy silt, with exposed sandstone covering most of the mile. Timber, thinly scattered juniper and pinion, with scattered cottonwood along the drainage.	
	North, bet. secs. 7 and 12.	
	Over series of narrow spurs and deep washes putting generally E.	
	Asc. approx. 60 ft. over sandy S. slope.	
6.00	Top of ascent on E. side of dome; desc. approx. 160 ft. over ledgy N. slope.	
14.50	Wash, 50 lks. wide, 2 ft. deep, drains E.; asc. approx. 160 ft. over sandy S. slope.	
18.00	Base of ledge, bears E. and W.; asc. approx. 160 ft.	
23.00	Spur, projects NE.; desc. approx. 240 ft. over ledgy NW. slope.	
32.50	Wash, near head, drains E.; asc. approx. 240 ft. over S. facing ledge	
38.00	Sandstone knob on spur, projecting E.; desc. approx. 160 ft. over	

Range Boundary, T. 31 N., R. 19 E.

Chains	ledgy N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 falls in narrow wash draining NE. where the monument cannot be perpetuated. Note: Point is not monumented.
	Desc. approx. 360 ft. over ledgy and steep N. sloping slick rock.
56.00	Wash, near head, drains NE.; asc. approx. 240 ft. over SE. facing ledges
60.00	Narrow spur, projecting E.; desc. approx. 240 ft. over ledgy N. slope.
64.50	Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. approx. 200 ft. over steep sandy S. slope.
71.00	Base of ledge, bears E. and W.; asc. approx. 200 ft.
73.00	Narrow sandstone spur, projects E.; desc. approx. 200 ft. over steep N. sloping slick rock.
80.00	Point for the cor. of secs. 1, 6, 7 and 12 falls on steep N. sloping slick rock, where the monument cannot be perpetuated. Note: Point is not monumented. Land, series of narrow sandstone spurs, with pinnacles and knobs on top. Soil, sandy silt, with exposed sandstone covering most of the mile. Timber, thinly scattered juniper and pinion, with a few cottonwoods along the drainage.
	North, bet. secs. 1 and 6. Over series of narrow sandstone spurs and deep narrow washes putting generally E. Desc. approx. 160 ft. over ledgy N. slope.
12.50	Wash, 50 lks. wide, 1 ft. deep, drains NE.; asc. approx. 200 ft. over S. facing ledge.
15.00	Sandstone knob; cont. to asc. approx. 160 ft. over steep SE. sloping slick rock.
23.50	Sandstone spur projecting E.; desc. approx. 240 ft. over ledgy NW. slope.
32.00	Small wash, near head, drains NE. approx. 5 chs. to junction with main wash; asc. approx. 40 ft. over steep SE. slope.
34.00	Sandy spur, projecting NE.; desc. approx. 60 ft. over sandy NW. slope.
37.00	Wash, 30 lks. wide, 1 ft. deep, drains S. 70° E.; asc. approx. 120 ft. over steep S. sloping slick rock.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6 falls on steep SE. sloping slick rock, where it is impractical to set the monument. Notes: Point is not monumented.
	Cont. to asc. approx. 300 ft. over ledgy and steep S. sloping slick rock.
53.00	Narrow ridge, bears E. and W.; desc. approx. 200 ft. over N. facing ledge.

East Boundary, T. 31 S., R. 19 E.

Chains	
54.00	Base of ledge, bears E. and W.; desc. approx. 200 ft. over N. sloping slick rock.
65.00	Rim of canyon, bears N. 20° W. and S. 20° E.; desc. approx. 150 ft. over NE. facing ledges.
69.00	Wash, in bottom of canyon, drains N. 20° W.; asc. approx. 100 ft. along SW. facing ledges.
75.00	Top of ascent on W. side of spur projecting N.; desc. approx. 100 ft. along W. facing ledges.
80.38	True point for the cor. of Ts. 30½ and 31 S., Rs. 19 and 20 E., from which its witness cor. bears N. 89° 58' E., 1.96 chs. dist. and is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 31 S., R. 20 E.
	Land, series of narrow sandstone spurs and deep walled washes putting generally E.
	Soil, sandy silt, with exposed sandstone covering most of the mile.
	Timber, thinly scattered juniper and piñon.

North Boundary, T. 31 S., R. 19 E.

	From the true point for the cor. of Ts. 30½ and 31 S., Rs. 19 and 20 E., from which its witness cor. bears N. 89° 58' E., 1.96 chs. dist. and is mkd. by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of the survey of T. 31 S., R. 20 E.
	S. 89° 57' W., bet. secs. 1 and 36.
	Over series of spurs and washes, through thinly scattered juniper and piñon.
	By tri.; desc. approx. 60 ft. over W. facing ledge.
1.00	Wash, drains N.; asc. approx. 200 ft. over ledgy E. slope.
8.00	Spur, projects N.; desc. approx. 80 ft. over steep W. sloping slick rock.
11.00	Wash, near head, drains N.; asc. approx. 80 ft. over ledgy E. slope.
14.20	Spur, projects NW.; desc. approx. 120 ft. over NW. facing ledge on E. of spur.
17.00	Base of ledge, thence over rolling land.
20.50	Wash, 1 ch. wide, 2 ft. deep, drains NE. from SE.; cont. over rolling land.
33.00	Base of ledge, bears N. 80° W. and S. 80° E.; asc. approx. 100 ft.
35.00	North tip of spur, projects N. 80° W.; desc. approx. 100 ft. over ledgy W. slope.
40.00	True point for the ¼ sec. cor. of secs. 1 and 36, falls in wash, 1.50 chs. wide, and 2 ft. deep, where the monument cannot be perpetuated.
	Thence over sandy land.
43.00	Base of ledge, bears NE. and SW.; asc. approx. 120 ft.

North Boundary, T. 31 S., R. 19 E.

Chains

44.50 Rim, bears NE. and SW.; asc. approx. 10 ft. over steep SE. sloping slick rock.

44.95 Point selected for the witness 1/4 sec. cor. of secs. 1 and 36. Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in exposed bedrock and in a mound of stone, 3 ft. base to top of post with brass cap mkd.

T30 1/2 S R19E
S36 W
S 1 C
T31S
1957

Cont. to asc. approx. 100 ft. over SE. sloping slick rock.

53.35 Spur, projecting NE.; end of tri.; desc. 90 ft. over NW. sloping slick rock.

65.90 Wash, near head, drains NE.; asc. 120 ft. over steep NE. sloping slick rock.

76.50 Spur, projects N.; desc. 120 ft. over steep W. sloping slick rock.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in exposed bedrock and supported in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

T30 1/2 S R19E
S35 | S36
S 2 | S 1
T31S
1957

Land, series of sandstone spurs.
Soil, sandy silt between spurs, with the spur being exposed sandstone.
Timber, thinly scattered juniper and pinion.

S. 89° 57' W., bet. secs. 2 and 35.

Over ledgy and steeply sloping sandstone, through thinly scattered juniper and pinion.

By tri. desc. approx. 150 ft. over W. facing ledges.

8.50 Wash, near head, drains NW.; asc. approx. 80 ft. over ledgy E. slope.

13.00 Spur, projecting N.; desc. approx. 100 ft. over steep W. sloping slick rock.

17.00 Wash, near head, drains N.; asc. approx. 150 ft. over steep E. sloping slick rock.

23.00 Spur, projects N.; desc. approx. 120 ft. over ledgy W. slope.

29.00 Wash, drains NW.; asc. approx. 40 ft. over steep NE. sloping slick rock.

34.50 Spur, projecting NW.; desc. approx. 80 ft. over steep SW. sloping slick rock.

40.00 True point for the 1/4 sec. cor. of secs. 2 and 35 falls in wash, 1 ch. wide, 2 ft. deep, draining NE., where the monument cannot be perpetuated.

asc. 100 ft. over steep Se.

North Boundary of T30 1/2 S R19 E.

Chains		02.00
	Asc. 160 ft. over steep SE sloping slick rock mkd.	
44.00	Top of steep ascent.	
44.20	Point selected for the witness 1/4 sec. of secs. 2 and 35. Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in bedrock and supported in a mound of stone, 3 ft. base to top of post, with brass cap mkd.	
	T30 1/2 S R19 E S35 W S 2 C T31 S 1957	
	Cont. to asc. approx. 40 ft. over E. sloping slick rock.	
47.50	Spur, projects NE.; desc. approx. 40 ft. over NW sloping slick rock.	
56.50	Shallow wash, drains NE.; asc. approx. 100 ft. over E. sloping slick rock.	
63.50	Spur, projecting N.; desc. approx. 180 ft. over steep W. sloping slick rock.	
75.50	Wash, drains N.; asc. approx. 180 ft. over ledgy E. slope.	
80.00	East edge of spur projecting N. Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in bedrock and supported in a mound of stone, 3 ft. base to top of post, with brass cap mkd.	
	T30 1/2 S R19 E S34 S35 S 3 S 2 T31 S 1957	
	Land, broken, with precipitous sloping slick rock. Soil, sandy silt in pockets and along the drainage, with remainder the mile being exposed sandstone. Timber, thinly scattered juniper and pinion.	
	S. 89° 57' W., bet. secs. 3 and 34. Over series of sandstone spurs and ridges, through thinly scattered juniper and pinion. Asc. approx. 20 ft. over E. sloping slick rock.	
1.00	End of tri. on spur projecting N.; desc. 100 ft. over ledgy W. slope.	
12.50	Wash, 20 lks. wide, 5 ft. deep, drains N.; asc. 320 ft. over broken E. slope.	
22.70	Spur, projects NE.; desc. 280 ft. over broken W. slope.	
37.50	Wash in bottom of Spring Canyon, 30 lks. wide, 3 ft. deep, asc. 50 ft. over SE sloping slick rock, drains NE.	

North Boundary, T. 31 S., R. 19 E.

Chains

40.00 Point for the 1/4 sec. cor. of secs. 3 and 34.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

T30 1/4 S R19 E
1/4 S34
S 3
T31 S
1957

Asc. 160 ft. over steep SE. sloping slick rock.

53.20 Spur, projects NE.; desc. 160 ft. over NW. sloping slick rock.

59.60 Ravine, drains N.; asc. 130 ft. over E. sloping slick rock.

67.50 Spur, capped with sandstone knobs projecting N.; desc. 160 ft. over W. sloping slick rock.

74.80 Wash, 30 lks. wide, 6 ft. deep, drains N.; asc. 150 ft. over E. facing ledge.

79.50 Rim, bears NE. and SW.; asc. 10 ft. over steep SE. sloping slick rock.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.
Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in bedrock and supported in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T30 1/4 S R19 E
S33 | S34
S 4 | S 3
T31 S
1957

Land, broken.
Soil, sandy silt along the drainage and in pockets.
Timber, thinly scattered juniper and pinion.

S. 89° 57' W., bet. secs. 4 and 33.

Over series of sandstone ridges and spurs, through thinly scattered juniper and pinion.

Asc. 20 ft. over SE. slope.

2.50 Spur, projecting NE.; by tri. over series of spurs and small washes putting generally NE.

18.00 Wash, near head, drains NE.; asc. approx. 80 ft. over SE. sloping slick rock.

23.00 Base of ledge, bears NE. and SW.; asc. approx. 400 ft.

25.50 Ridge, bears NE. and SW.; desc. approx. 200 ft. over NW. facing ledges.

30.00 Base of ledge, bears NE. and SW., thence over series of sandstone knobs.

40.00 Point for the 1/4 sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in exposed bedrock and in a mound of stone, 3 1/2 ft. base to top.

Chains	Description	Notes
	of post, with brass cap mkd.	Point for the sec. cor. of secs. 4, 5, 32 and 33.
	T304S R19E S33 S34 T31S 1957	
	Desc. approx. 290 ft. over ledgy W. slope into Elephant Canyon.	
54.50	Wash in the bottom of Elephant Canyon, drains irregularly N.; asc. approx. 200 ft. over ledgy E. slope.	
58.00	Crest of ledgy E. slope, bears N. and S.; asc. approx. 200 ft. over rolling land.	
72.86	Point selected for the witness cor. of secs. 4, 5, 32 and 33. Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in bedrock and supported in a mound of stone, 4 ft. base to top of post, with brass cap mkd.	
	T304S R19E W S32 S 33 C S 5 S 4 T31S 1957	
73.00	Base of ledge bears NE. and SW.; asc. approx. 200 ft. over SE. of facing ledges.	
75.00	Narrow spur, projecting NE.; desc. approx. 200 ft. over ledgy NW. slope.	
80.00	True point for the cor. of secs. 4, 5, 32 and 33, falls on steep N. sloping slick rock in cove draining N. where the monument cannot be perpetuated. Land, narrow spurs and ridges. Soil, sandy, with exposed sandstone. Timber, thinly scattered juniper and pinion.	
S. 89° 57' W., bet. secs. 5 and 32.		
Over narrow sandstone spurs and ridges, through thinly scattered juniper and pinion. Asc. approx. 300 ft. over ledgy NE. slope.		
4.50	Sandstone ridge, bears irregularly NW. and SE.; desc. approx. 300 ft. over W. facing ledges.	
9.00	Base of ledge, bears N. and S., thence desc. approx. 40 ft. over W. slope on the W. end of Chesler Park.	
20.00	Sandstone spire, approx. 50 ft. high, 150 ft. diam., bears cont. to desc. approx. 40 ft. over rolling land.	
33.60	Thence over series of sandstone knobs approx. 40 ft. high.	
37.00	Base of ledge, bears N. and S.; asc. approx. 120 ft.	
38.00	Knob on broken spur, projecting SE.; desc. approx. 120 ft. over SW. facing ledge.	
40.00	True point for the 1/4 sec. cor. of secs. 5 and 32, falls on ledge, where it is impractical to set the monument as set out in exposed bedrock and in a mound of stone.	

North Boundary, T. 31 S., R. 19 E.

Chains
40.11Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 5 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.T30 $\frac{1}{2}$ S R19E $\frac{1}{4}$ S32 W

S 5 C

T31S

1957

Asc. about 30 ft. over E. slope.

- 44.00 Base of broken sandstone ledges, bears N. and S.; asc. approx. 160 ft. over ledges facing E.
- 46.00 Point projects S. from N.; desc. approx. 160 ft. over ledges facing W.
- 47.00 Base of same ledges, thence over broken bottom of cove.
- 55.00 Base of series of broken ledges facing generally SE.; asc. approx. 120 ft.
- 57.40 E. rim of spur, thence over series of sandstone walls projecting S.
- 68.00 W. rim of same spur, bears NE. and SW.; desc. about 160 ft. over ledges facing NW.
- 72.00 Base of same ledges, thence over broken sandstone formation capped with knobs and ribs, and cut by narrow deep crevices.
- 80.00 Point for the cor. of secs. 5, 6, 31 and 32 falls on inaccessible sandstone formation and was not monumented.

Land, broken.

Soil, sand and exposed sandstone.

Timber, very scattered juniper and pinion in crevices.

S. $89^{\circ} 57'$ W., bet. secs. 6 and 31.

Over broken and inaccessible sandstone formation of knobs and crevices.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31, falls on inaccessible sandstone formation and was not monumented.
- Cont. over inaccessible sandstone formation.
- 65.00 W. crest of irregular sandstone formation, bears N. and SE.; desc. approx. 160 ft. over broken W. slope into Chesler Canyon.
- 68.80 Base of broken W. slope, thence over bottom of Chesler Canyon.
- 73.50 Unimproved dirt road, bears N. and S.
- 76.20 Wash in bottom of Chesler Canyon, 30 lks. wide, 3 ft. deep, drains NE., cont. over bottom of Chesler Canyon.
- 77.15 The cor. of Ts. 30 $\frac{1}{2}$ and 31 S., Rs. 18 and 19 E., mkd. by an iron post $2\frac{1}{2}$ ins. diam., mkd. set and witnessed as described in the field notes of the survey of T. 31 S., R. 18 E.

Land, broken.

Soil, sand and exposed sandstone.

Timber, scattered juniper and pinion.

Portion of the Subdivision, T. 31 S.; R. 19 E.

Chains	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy., which is marked by an iron post, 2½ ins. diam., conforming to the record. N. 0° 01' W., bet. secs. 35 and 36. Over broken land, through thinly scattered juniper and pinion. By traverse and triangulation; desc. approx. 180 ft. over NW. facing ledge.
10.00	Wash, 50 lks. wide, 2 ft. deep, drains NE.; asc. approx. 200 ft. over SE. slope.
16.00	Base of ledge, bears irregularly E. and W.; asc. approx. 240 ft.
18.50	Sandstone knob on spur projecting E.; desc. approx. 120 ft. over N. facing ledge.
19.50	Base of ledge, bears E. and W.; desc. approx. 140 ft. over N. sloping slick rock.
24.00	Wash, near head, drains NE.; asc. approx. 260 ft. over pinnacles and ledgy SE. slope.
29.00	Pinnacle on spur projecting NE.; desc. approx. 200 ft. over ledgy NW. slope.
32.50	Wash, near head, drains NE.; asc. approx. 80 ft. over steep SE. sloping slick rock.
35.00	Spur, projects NE.; desc. approx. 100 ft. over ledgy NW. slope.
37.00	Wash, near head drains SE. approx. 4 chs. to junction with wash draining E.; asc. approx. 160 ft. over SW. facing ledge.
40.00	E. edge of sandstone pinnacle, approx. 3 chs. across E. and W. True point for the ¼ sec. cor. of secs. 35 and 36 is inaccessible. Desc. approx. 280 ft. over ledgy N. Slope.
48.00	Point selected for the witness ¼ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base to top of post, with brass cap marked T31S R19E ¼ S35 S36 W.C. 1957 Desc. approx. 10 ft. over steep N. slope.
49.00	Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. approx. 180 ft. over ledgy S. slope.
53.50	Sandstone pinnacle on broken spur projecting E.; desc. approx. 160 ft. over N. facing ledge.
54.50	Base of ledge, thence desc. approx. 80 ft. over NW. slope.
57.00	Small wash, drains NE.; desc. approx. 80 ft. along ledgy NW. slope.
60.00	Small wash, drains NE.; asc. approx. 160 ft. over S. facing ledge.
62.00	Sandstone knob on E. end of spur projecting from the W.; desc. approx. 100 ft. over ledgy N. slope.
64.50	Small wash, drains NE., thence along E. sloping slick rock.

Portion of the Subdivision, T. 31 S., R. 19 E.

- Chains
- 69.00 Base of ledge, bears E. and W.; asc. approx. 160 ft.
- 70.00 Rim, bears E. and W., thence over E. sloping slick rock.
- 72.00 Spur, projecting E.; desc. approx. 80 ft. over broken N. facing ledges.
- 74.90 Point selected for the witness cor. of secs. 25, 26, 35 and 36.
Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T31S R19E
W C
S26+S25
S35|S36
1957

Desc. approx. 20 ft. over N. slope.

- 75.50 Wash, drains E.; asc. approx. 200 ft. over S. facing ledge.
- 78.00 Sandstone pinnacle on spur projecting E.; desc. approx. 120 ft. over N. facing ledge.
- 80.00 True point for the cor. of secs. 25, 26, 35 and 36, falls on face of N. facing ledge, where it is impractical to set the monument.
Land, sandstone ridges and spurs with pinnacles and knobs on top. Soil, sandy silt along the drainage and in pockets. Timber, thinly scattered juniper and pinion.

From the cor. of secs. 25, 30, 35 and 36, on the E. bdy.

S. 89° 52' W., bet. secs. 25 and 36.

Over rolling sandy land.

Desc. 40 ft. along N. slope.

- 2.50 Wash, 20 lks. wide, 2 ft. deep, drains NE.; by tri. asc. approx. 300 ft. over ledgy SE. slope.
- 20.00 Broken sandstone ridge, bears NE. and SW.; desc. approx. 140 ft. over ledgy NW. slope.
- 24.50 Cove, drains N.; asc. approx. 240 ft. over NE. facing ledge.
- 27.50 Spur, projects NW.; desc. approx. 200 ft. over SW. facing ledge.
- 29.00 Base of ledge; thence desc. approx. 160 ft. over SW. sloping slick rock.
- 36.00 Base of steep sloping slick rock; thence desc. approx. 60 ft. over rolling sandy land.
- 39.80 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T31S R19E
S25
S36
1957

Deposit a sandstone, 10x6x3 ins., mkd. with a cross (X) alongside of post.

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains

Desc. approx. 20 ft. over rolling W. slope.

48.50 Wash in the bottom of Salt Creek, 5 chs. wide, 2 ft. deep, flowing a small stream of water at time of survey, course N.; asc. approx. 200 ft. over sandy SE. slope.

59.00 Base of ledge, bears NE. and SW.; asc. approx. 120 ft.

67.50 Sandstone knob, on spur projecting irregularly E. and W.; thence over series of knobs and pinnacles.

79.60 True point for the cor. of secs. 25, 26, 35 and 36, from which its witness cor. bears S. 0° 01' E., 5.10 chs. dist.

Land, broken ledgy sandstone spurs, with knobs and pinnacles. Soil, sandy silt along the drainage, with exposed sandstone. Timber, thinly scattered juniper, with a few cottonwoods along the drainage.

Beginning at the cor. of secs. 4, 5, 32 and 33, on the S. bdy., an iron post, 2½ ins. diam., conforming to the record.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken land, through scattered timber; desc. 230 ft. over broken N. slope.

21.20 Wash, 20 lks. wide, 6 ft. deep, drains E.; asc. 200 ft. over ledgy S slope.

35.50 Spur, projects E. from W.; desc. 50 ft. over N. slope.

40.00 Point for the ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass c mkd.

T31S R19E
 ¼
 S32|S33
 1957

Desc. 20 ft. over N. slope.

43.50 Ravine, drains E.; asc. 70 ft. over broken S. slope.

47.50 Sandstone spur, projects E.; desc. 60 ft. over N. slope.

51.00 Base of N. slope, thence over bottom of small cove.

60.60 Base of broken S. slope; asc. 100 ft.

68.40 Top of ascent on spur, projects E.; desc. 160 ft. over series of knob and ledges facing N.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass c mkd.

T31S R19E
 S29|S28
 S32|S33
 1957

Partion of the Subdivision, T31S., R. 19 E.

Chains	
	<p>Cor. falls on N. side of sandstone knob, about 50 ft. high.</p> <p>Lead, broken Soil, sand and exposed sandstone. Timber, scattered juniper and pinion.</p>
	<p>N. 0° 03' W., bet. secs. 28 and 29.</p> <p>Over broken land, through scattered timber; desc. 55 ft. over bench.</p>
16.70	S. rim of deep ravine, bears NE. and SW.; desc. 60 ft. into ravine.
18.20	Wash in bottom of ravine, 30 lks. wide, 4 ft. deep, drains NE.; asc. 70 ft. over ledges facing SE.
21.60	N. rim of same ravine, bears NE. and SW.; asc. 100 ft. over broken S. slope.
28.00	Spur, projects E.; desc. 120 ft. along broken E. slope.
40.00	<p>Point for the 1/4 sec. cor. of secs. 28 and 29,</p> <p>Set an iron post, 30 ins. long, 2 1/2 ins. diam., on solid rock, over a cross (X), and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R19E S29 S28 1957</p>
	<p>Cont. over E. slope.</p>
40.40	Wash, 20 lks. wide, 5 ft. deep, drains E.; asc. 20 ft. over S. slope.
45.50	Spur, projects E.; desc. 90 ft. over broken N. slope.
61.60	Slope changes to E. slope; desc. 105 ft. along E. slope.
65.00	Base of E. slope, thence over small valley.
66.20	Butler Wash, 30 lks. wide, 3 ft. deep, drains NW.; asc. 45 ft. over valley.
75.00	Base of S. slope; asc. 30 ft.
80.00	<p>Point for the cor. of secs. 20, 21, 28 and 29.</p> <p>Set an iron post, 30 ins. long, 2 1/2 ins. diam., on solid rock, over a cross (X) and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T31S R19E S20 S21 S29 S28 1957</p>
	<p>Land, broken and rolling.</p> <p>Soil, sand and exposed sandstone.</p> <p>Timber, scattered juniper and pinion.</p>

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains	
	N. 0° 03' W., bet. secs. 20 and 21.
	Over broken land, through scattered timber; asc. 20 ft. over S. slope.
2.70	Spur, slopes W.; desc. 20 ft. over rolling land.
	Thence by traverse and tri.
21.80	Wash, 10 lks. wide, 4 ft. deep, drains SW.; asc. approx. 10 ft. over gentle S. slope.
27.00	Base of sandstone point, projects W.; asc. approx. 60 ft. over ledges facing SW.
30.80	Top of same point; desc. approx. 80 ft. over N. slope into small cove thence over bottom of cove.
39.32	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 20 and 21. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd. T31S R19E W C $\frac{1}{4}$ S20 S21 1957
	Cont. over bottom of cove.
39.60	Wash, 20 lks. wide, 3 ft. deep, drains W.; cont. over bottom of cove.
39.80	Base of sandstone ledges; asc. approx. 100 ft. over ledges facing S.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21, falls on inaccessible ledges. Thence over series of inaccessible knobs and spires.
66.00	S. rim of Chesler Canyon, bears E. and NW.; desc. approx. 150 ft. over inaccessible breaks of W. wall of Chesler Canyon.
80.00	True point for the cor. of secs. 16, 17, 20 and 21, falls on ledges on W. breaks of Chesler Canyon where it is impractical to set the monument. The point selected for the witness cor. of secs. 16, 17, 20 and 21 bears W. 7.02 chs. dist. at this point. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid rock, over a cross (X) and in a mound of stone, 4 ft. base to top, with brass cap mkd. T31S. R19E S17 S16 W S20 S21 C 1957
	Land, broken. Soil, sand and exposed sandstone. Timber, very scattered juniper and pinion.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over broken W. wall of Chesler Canyon.
8.50	S. rim of cove in bottom of Chesler Canyon, bears N. 50° E. and S. 50° W.; desc. approx. 50 ft. into cove over ledges facing NW.

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains	
8.70	Base of same rim, thence over sandy bottom of cove.
11.60	Base of N. rim of cove, bears N. 50° E. and S. 50° W.; asc. approx. 50 ft. over ledges facing SE.
12.00	Crest of same rim, thence over series of spires, and knobs of point projecting E. from W.
22.00	S. rim of cove in bottom of Chesler Canyon, bears irregularly NE. and SW.; desc. approx. 80 ft. over ledges facing NW.
23.00	Base of same rim; desc. approx. 30 ft. over rolling bottom of cove.
33.36	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd. T31S R19E $\frac{1}{4}$ W C S17/S16 1957
	Cont. over bottom of cove.
33.50	Base of ledges bearing irregularly NE. and SW.; asc. approx. 60 ft. over ledges facing SE.
37.00	Crest of same ledges, bears irregularly NE. and SW.; thence over series of spires and ledges facing SE.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17 falls on inaccessible ledges. Cont. over ledges and spires of point projecting E. from W. in Chesler Canyon.
55.00	N. crest of point, bears irregularly NE. and SW.; desc. approx. 60 ft. over ledges facing NW.
55.50	Base of ledges; desc. approx. 50 ft. over bottom of Chesler Canyon.
63.60	Wash in bottom of Chesler Canyon, 20 lks. wide, 4 ft. deep, drains N. 40° W.; asc. approx. 60 ft. over SW. slope.
66.20	Spur, slopes W.; desc. approx. 70 ft. over N. slope.
70.70	Same wash, drains N. 50° E.; asc. approx. 60 ft. over SE. slope.
72.50	Spur, slopes E.; desc. approx. 65 ft. over NE. slope.
76.00	Same wash, drains N. 60° W.; asc. approx. 40 ft. over SW. slope.
77.20	Base of ledges, bearing irregularly NW. and SE.; asc. approx. 100 ft. over ledges facing SW., to rim,
80.00	Point for the cor. of secs. 8, 9, 16 and 17 falls on face of ledges facing SW. where it is impractical to set the monument. Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper, pinion and patches of oak in bottom of canyon.

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains		acres
	N. 0° 03' W., bet. secs. 8 and 9.	07.8
	Over broken land of E. breaks of Chesler Canyon, cont. over series of knobs and spires.	
11.00	SV rim of ravine, bears NE. and SW.; desc. approx. 50' ft. over ledge facing NW.	
11.95	Point selected for the witness cor. of secs. 8, 9, 16 and 17.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.	
	<p style="text-align: center;">T31S R19E <u>S 8 S 9</u> <u>S 17 S 16</u> W C 1957</p>	
	Desc. approx. 30 ft. over N. slope.	
15.80	Wash, 20 lks. wide, 5 ft. deep, drains S. 40° W., 20 chs. dist. to junction with wash in bottom of Chesler Canyon; N. bank of wash is also base of ledges; asc. approx. 60 ft. over ledges facing SE.	
16.90	Crest of same ledges; asc. approx. 70 ft. over broken sandstone surface.	
36.50	Base of steep S. slope and ledges facing S.; asc. approx. 90 ft. over steep S. slope.	
40.00	Point for the ¼ sec. cor. of secs. 8 and 9.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.	
	<p style="text-align: center;">T31S R19E <u>S 8 S 9</u> 1957</p>	
	Cor. falls at base of ledges on W. side of narrow pass bet. high ledges.	
	Asc. approx. 200 ft. over ledges facing S.	
47.00	Top of ledges, bearing NE. and SW.; thence over inaccessible top of sandstone ridge.	
49.50	N. crest of same ridge; desc. approx. 300 ft. over ledges facing NW.	
60.00	Base of ledges, bearing N. 10° E. and S. 20° W.; end of tri.; desc. 70 ft. over rolling land of Chesler Park.	
80.00	Point for the cor. of secs. 4, 5, 8 and 9:	
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.	
	<p style="text-align: center;">T31S R19E <u>S 5 S 4</u> <u>S 8 S 9</u> 1957</p>	
	Land, broken and rolling. Soil, sand and exposed sandstone. Timber, very scattered juniper and piñon.	

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains	
	N. 0° 21' W., bet. secs. 4 and 5. Over rolling land of Chesler Park; asc. 50 ft.
18.00	Spur, slopes W. 2 chs. to end; desc. 40 ft. over rolling land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd. T31S R19E S 5 S 4 1957
	Asc. 70 ft. over rolling Chesler Park.
60.30	Base of ledges, bears S. 10° E. and N.; asc. about 120 ft. along ledges facing W.
71.00	S. crest of ledges, bearing S. and W., thence over top of inaccessible spires and knobs.
80.16	True point for the cor. of secs. 4, 5, 32 and 33. Land, broken and rolling over Chesler Park. Soil, sand and exposed sandstone. Timber, none.
	From the cor. of secs. 1, 2, 35 and 36 on the N. bdy. S. 0° 01' E., bet. secs. 1 and 2. Over broken land, through thinly scattered juniper and pinion.
4.50	Wash, near head, drains NW.; asc. 180 ft. over steep SE. sloping slickrock.
12.00	Ridge, bears NE. and SW.; desc. 100 ft. over steep SE. sloping slickrock.
16.50	Wash, near head, drains E.; asc. 90 ft. over steep NE. sloping slick rock.
23.00	Spur, projecting SE.; by tri. desc. approx. 200 ft. over SW. facing ledges.
32.50	Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. approx. 200 ft. over N. facing ledges.
38.14	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 2 falls on spur sloping E. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T31S R19E S 2 S 1 W C 1957
	Desc. 120 ft. over SE. slope.
40.32	True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2 falls on steep SE. sloping slick rock, where the monument cannot be perpetuated.

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains	Desc.
	approx. 80 ft. over steep SE. sloping slick rock.
43.00	Draw, draining E.; asc. approx. 120 ft. over steep NE. sloping slick rock.
48.20	Spur, projecting SE.; desc. approx. 120 ft. over SW. facing ledges.
53.50	Wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. approx. 250 ft. over ledgy NE. slope.
67.00	Spur, projects NE.; desc. approx. 200 ft. over SE. facing ledges.
76.00	Wash, drains E., thence over rolling land.
80.32	Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T31S R19E

S 2 | S 1

S11 | S12

1957

Land, broken.

Soil, sandy, with exposed sandstone.

Timber, thinly scattered juniper and pinion.

S. $89^{\circ} 59'$ W., bet. secs. 2 and 11, on a theoretical parallel connecting the point for the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 4, 5, 8 and 9, as specified in the special instructions.

Over rolling land, through thinly scattered juniper and pinion.

By triangulation

4.00	Base of ledge, bears NE. and SW.; asc. approx. 160 ft. over SE. facing ledge.
8.60	Spur, projecting N. 20° E.; desc. approx. 240 ft. over NW. facing ledges.
16.50	Wash, near head, drains N.; asc. approx. 200 ft. over ledgy NE. slope.
21.50	Spur, projects NE.; desc. approx. 120 ft. over NW. facing ledge.
27.50	Base of ledge, bears NE. and SW.; thence over rolling land.
32.50	Wash, 30 lks. wide, 6 ft. deep, drains NE.
35.00	Base of ledge, bears NE. and SW.; asc. approx. 160 ft.
36.00	Top of ledge, bears NE. and SW.; thence asc. approx. 20 ft. over steep SE. sloping slick rock.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11 falls on steep SE. sloping slick rock, where it is impractical to set the monument.
40.23	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut in exposed sandstone, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R19E

S 2 → W
S11 ← C

1957

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains

- Asc. approx. 160 ft. over steep SE. sloping slick rock.
- 44.50 Top of ascent; desc. about 80 ft. over steep SW. sloping slick rock.
- 48.00 Rim, bears NW. and SE.; desc. approx. 120 ft. over ledgy SW. slope.
- 55.00 Wash, near head, drains S.; asc. approx. 160 ft. over ledgy S. slope.
- 60.00 Slope changes to E.; asc. approx. 200 ft. over E. facing ledges.
- 65.90 Spur projects N.; desc. approx. 240 ft. over W. facing ledge.
- 67.00 Base of ledge, bears N. and S.; desc. approx. 120 ft. along steep N. sloping slick rock.
- 76.50 Small wash, near head, drains N.; asc. approx. 80 ft. over steep E. sloping slick rock.
- 80.00 True point for the cor. of secs. 2, 3, 10 and 11, falls on face of ledge, about 20 ft. high, facing E. where it is impractical to set the monument.
- Land, broken.
Soil, sandy, with exposed sandstone.
Timber, thinly scattered juniper and pinion.
-
- N. 0° 10' W., bet. secs. 2 and 3.
- Over broken land, through thinly scattered juniper and pinion.
- 0.37 Point selected for the witness cor. of secs. 2, 3, 10 and 11.
- Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.
- T31S R19E
S 3 | S 2
S10 | S11
W C
1957
- Desc. 160 ft. along ledgy NE. slope.
- 13.00 Slope changes to E.; cont. along ledgy E. slope.
- 23.00 Knob on spur projecting N.; desc. 120 ft. over ledgy N. slope.
- 31.00 Wash, 60 lks. wide, 3 ft. deep, drains NE.; asc. 160 ft. over broken SE. slope.
- 38.00 Spur, projecting E.; desc. 40 ft. over steep N. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 2 and 3.
- Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top of post, with brass cap mkd.
- T31S R19E
¼
S3 | S2
1957
- Cont. to desc. 40 ft. over steep N. sloping slick rock.

Portion of the Subdivision of T. 31 S., R. 19 E.

Chains		amian
42.00	Wash, near head, drains E.; asc. 220 ft. over steep S. sloping slick rock.	
49.00	Spur, projecting E.; desc. 150 ft. over steep N. sloping slick rock.	
51.50	Wash, near head, drains E.; asc. 180 ft. over SE. facing ledges.	
57.30	Ridge, bears NE. from SW.; desc. 130 ft. over N. facing ledge.	
61.00	Wash, near head, drains N. 10° E.; desc. 50 ft. along ledgy E. slope.	
80.26	The cor. of secs. 2, 3, 34 and 35, on the N. bdy. Land, broken. Soil, sandy, with exposed sandstone. Timber, thinly scattered; juniper and pinions.	
	From the true point for the cor. of secs. 16, 17, 20 and 21. East, bet. secs. 16 and 21. Over rough inaccessible pinnacles and sandstone domes draining NE. Note: A portion of this line was inaccessible except by tri. and traverse and the calls of topography are approx. as scaled from U. S. G. S. topographical maps.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21 falls on inaccessible S. side of sandstone dome. The point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 21 bears S. 0.59 lks. dist. At the witness point, Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a mound of stone, with brass cap mkd. T31S R19E W C $\frac{1}{4}$ <u>S16</u> S21 1957 Cont. over inaccessible pinnacles.	
54.00	Chesler Canyon wash, a dry water course 20 lks. wide, 2 ft. deep, drains NW.; asc. approx. 300 ft. along SE. face of sheer sandstone formations.	
65.00	Top of a line of high pinnacles extending NW. and E.; asc. approx. 500 ft. over series of pinnacles.	
77.00	Pinnacle; desc. approx. 200 ft. over E. facing ledge.	
80.00	Point for the cor. of secs. 15, 16, 21 and 22 falls on E. facing inaccessible ledge. The point selected for the witness cor. of secs. 15, 16, 21 and 22, bears N. 0° 02' W., 8.14 chs. dist., hereinafter described. Land, exceedingly rough and difficult to survey. Soil, shallow sand and exposed sandstone. No timber.	

Portion of the Subdivision T. 31 S., R. 19 E.

Chains

N. 0° 02' W. bet. secs. 15 and 16.

Over rough, needle and dome sandstone formations, topography as scaled from U. S. G. S. topographic maps.

Asc. approx. 150 ft. along E. facing ledge.

3.50 Sandstone pinnacle; desc. approx. 200 ft. over N. facing ledge.

5.00 Base of ledge, bears E. and W.; thence over sandstone domes.

8.16 Point selected for the witness cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R19E
S16|S15
S21|S22
W C
1957

Thence over series of sandstone domes draining N.

27.00 A dry wash, drains W.

37.00 A ridge of needles, about 300 ft. high, extends W. 5 chs. to end; desc. abruptly.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16 falls on steep inaccessible NW. sandstone face.

41.70 Point selected for the witness ¼ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on sandstone surface and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R19E
¼
S16|S15
W C
1957

50.00 A sandstone walled wash, drains SW.; asc. 430 ft. over vertical sandstone wall.

60.00 Rim of high bench, bears NW. and SE., thence over broken top of bench through scattered timber.

70.34 Point selected for the witness cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T31S R19E
W C
S 9|S10
S16|S15
1957

72.00 Rim of high bench, a vertical sandstone wall, about 200 ft. high, bears SW. and E. 5 chs., thence N.; desc. about 400 ft. along E. side of deep canyon draining NW.

Portion of the Subdivision, T. 31 S., R. 19 E.

- 80.00 Point for the cor. of secs. 9, 10, 15 and 16 is inaccessible.
Land, exceedingly rough and difficult to survey.
Soil, shallow sand and exposed sandstone.
Timber, scattered scrub pinion and juniper on bench.
-
- West, bet. secs. 9 and 16.
- Over rough and inaccessible pinnacles and sandstone domes; desc. abruptly approx. 300 ft. over E. wall of canyon.
- 6.00 Canyon, drains N. 30° W.; asc. abruptly approx. 130 ft. over ledgy NE. slope.
- 10.00 End of sandstone point projecting from SE.; desc. approx. 200 ft. over ledgy sandstone surface sloping SW.
- 12.00 Wash in bottom of canyon, drains N.; asc. about 200 ft. abruptly.
- 14.50 Top of a line of sandstone pinnacles extending N. 20° E. and S. 30° W. desc. over irregular sandstone formation sloping NW.
- 22.00 Gulch, drains N. 20° E.; asc. about 400 ft. over precipitous E. wall of a line of pinnacles.
- 29.50 Top of a line of sandstone pinnacles extending N. and S.; desc. abruptly over sandstone formations sloping steeply to W.
- 30.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16 is inaccessible.
- 39.20 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground and encircled with a collar of stone, with brass cap mkd.
- T31S R19E
 $\frac{1}{4}$ $\frac{S\ 9\ W}{S16\ C}$
1957
- Thence over sandstone domes.
- 45.00 A ridge of pinnacles, about 200 ft. high bears NW. and SE.; desc. abruptly.
- 80.00 The true point for the cor. of secs. 8, 9, 16 and 17.
Land, extremely rough and difficult to survey.
Soil, shallow sand and exposed sandstone.
No timber.
-
- From the cor. of secs. 5, 6, 31 and 32, on the S. bdy., an iron post, $2\frac{1}{2}$ ins. diam., conforming to the record.
- N. 0° 03' W., bet. secs. 31 and 32.
- Over broken land, through medium timber; desc. 120 ft. over series of small spurs putting W.

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains 33.50	Spur, projects W.; desc. 60 ft. over N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T31S R19E
	S31 S32
	1957
	Cor. falls at base of ledge about 20 ft. high facing E.
	Desc. 80 ft. over broken N. slope.
56.30	Wash, 30 lks. wide, 5 ft. deep, drains N. 40° E.; asc. 35 ft. over SE. slope.
65.00	Spur, projects NE.; desc. 50 ft. over NW. slope.
79.40	Wash, 20 lks. wide, 4 ft. deep, drains eastward; asc. 5 ft. over S. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T31S R19E
	S30 S29
	S31 S32
	1957
	Land, broken.
	Soil, sand and exposed sandstone.
	Timber, medium juniper and pinion.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 58' W., bet. secs. 29 and 32.
	Over broken land, through scattered timber; desc. 120 ft. over broken NW. slope.
9.30	Wash, drains NE.; asc. 200 ft. over ledgy NE. slope.
24.60	Ridge, capped with sandstone spires, bears N. and S.; desc. 200 ft. over broken W. slope.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T31S R19E
	S29
	S32
	1957
	Desc. 90 ft. over W. slope.

Portion of the Subdivision, T. 31 S., R. 19 E.

Chains	
51.00	Wash, 20 lks. wide, 4 ft. deep, drains N.; asc. 100 ft. over NE slope.
55.50	Spur, projects N. 6 chs. to end; desc. 90 ft. over broken W. slope.
60.00	Wash, 10 lks. wide, 3 ft. deep, drains N.; asc. 90 ft. over broken E. slope.
63.00	Spur, projects SE.; desc. 40 ft. over steep SW. slope.
70.00	Base of descent; asc. 80 ft. along broken S. slope.
80.02	The cor. of secs. 29, 30, 31 and 32.

Land, broken.
Soil, sandy, with exposed sandstone.
Timber, scattered juniper and pinion.

General Description

With the exception of a few island mesas and the SW. portion of the township, the land of T. 31 S., R. 19 E. is a maze of sandstone walls, narrow ridges, spurs, knobs and pinnacles. The general elevation ranges from approximately 5000 ft. above sea level in the bottom of Lost Canyon in sec. 1 to a maximum of 6653 ft. along the W. bdy. of sec. 35.

There are two main drainage systems in the township. The drainage divide roughly follows the third meridional section line. The west half of the township is drained by Butler Wash, Chesler Canyon, Elephant Canyon, and their tributaries. Butler Wash heads in the area of sec. 27 and drains NW. leaving the township at the W. bdy. near the corner of secs. 7, 12, 13 and 18. Chesler Canyon heads in the area of sec. 15 and drains NW. leaving the township near the NW. corner. Elephant Canyon heads in the east portion of sec. 16 and drains north leaving the township at the N. bdy. near the $\frac{1}{2}$ sec. cor. of secs. 4 and 33. The east half of the township is drained by Spring Canyon, Lost Canyon, and Salt Creek. Spring Canyon heads in the area of sec. 3 and drains north leaving the township at the N. bdy. near the $\frac{1}{2}$ sec. cor. of secs. 3 and 34. Lost Canyon heads in the area of sec. 11 and drains NE. leaving the township at the N. bdy. near the $\frac{1}{2}$ sec. cor. of secs. 1 and 36. The West Fork of Salt Creek enters the township at the S. bdy. near the $\frac{1}{2}$ sec. cor. of secs. 1 and 36 and drains N. to a point near the $\frac{1}{2}$ sec. cor. of secs. 25 and 30, thence NE. to a point approximately 5 chs. south and 10 chs. west of the $\frac{1}{2}$ sec. cor. of secs. 25 and 30 on the E. bdy., where the East Fork runs into the West Fork forming Salt Creek. Salt Creek then meanders N. roughly following the E. bdy. to a point near the $\frac{1}{2}$ sec. cor. of secs. 13 and 18, where it changes bearing to a more easterly direction and leaves the township entirely.

The soil of the township is for the most part sandy silt, with most of the land being exposed sandstone. The vegetation consists of thinly scattered dwarf juniper and pinion, with an undergrowth of black brush, mountain rush and cacti. Along the drainage there is scattered cottonwoods, groves of scrub oak and tamarisk.

The only permanent source of water encountered during the survey was in Salt Creek, which was evidently fed by springs and seeps located within the township.

There has been some limited prospecting along the drainage, but there are no producing mines or patented claims within the township. Because of the inaccessibility of the area most of the land remains untouched. Even the cattle grazing in the area are forced to follow the larger canyons and washes and in most of the area this is not possible because of the numerous box canyons.

CERTIFICATE OF CADASTRAL ENGINEER

I, Dell Cazier, HEREBY CERTIFY upon honor that
pursuance of special instructions bearing date of the 12th day of October, 1957
I have surveyed the east boundary and a portion of the subdivision of T. 31 S., R.
19 E.

of the Salt Lake Meridian, in the State of Utah, which
represented in the foregoing field notes as having been executed by me and under my direction; and t
said survey has been made in strict conformity with said instructions, the Manual of Instructions for
Survey of the Public Lands of the United States, and in the specific manner described in the forego
field notes.

Salt Lake City, Utah
December 9, 1957

Dell Cazier
Dell Cazier
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 12th day of October, 1957 I have surveyed a portion of the subdivision of T. 31 S., R. 19 E.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
December 9, 1957

Craig P. Sylvester
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald A. Cannon, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 12th day of October, 1957

I have surveyed a portion of the subdivision of T. 31 S., R. 19 E.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
December 9, 1957

Donald A. Cannon
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 1957

The foregoing field notes of the survey of _____
_____ executed by _____
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 12th day of October, 1957, supervised the survey I have surveyed of the North and East Boundaries and a Portion of the Subdivision of Township 31 South, Range 19 East,

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
December 9, 1957

Vern E. Lane
Vern E. Lane
Cadastral Surveyor (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., OCT 13 1958, 1958

The foregoing field notes of the survey of the north and east boundaries and a portion of the subdivision of T. 31 S., R. 19 E., SLM, Utah

executed by Dell Cazier, Craig P. Sylvester, and Donald A. Cannon, under the supervision of Vern E. Lane, having been critically examined and found correct, are hereby approved.

Craig P. Sylvester
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 31 R. 19 E., Salt Lake Meridian, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE

NORTH BOUNDARY,

A RETRACEMENT OF A PORTION

OF THE EAST BOUNDARY,

AND

THE SURVEY OF A PORTION

OF THE SUBDIVISION

OF

TOWNSHIP 31 SOUTH, RANGE 20 EAST

Of the

Salt Lake

Meridian,

In the State of

Utah

EXECUTED BY

Vern E. Lane, Chief of Party

Fred R. Chappell, Cadastral Surveyor

Craig P. Sylvester, Cartographic Survey Aid

Under special instructions dated October 12 , 1954 , *which provided*
for the surveys included under Group No. 403 , *approved* November 22, 1954
and assignment instructions dated April 22 , 1957

Survey commenced June 7 , 1957

Survey completed June 21 , 1957

INDEX DIAGRAM

Township 31 South, Range 20 East

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16-56770-1

———— Fred R. Chappell
 ———— Craig P. Sylvester

Township 31 South, Range 20 East

Chains

The field notes of the south and west boundaries of T. 31 S., R. 20 E., which were surveyed concurrently under this same group, appear in the survey returns of T. 32 S., R. 20 E., and T. 31 S., R. 19 E. respectively. The east boundary was surveyed by Stewart and Anderson in 1911.

The following field notes are those of the survey of the north boundary, a retracement of a portion of the east boundary, and the survey of a portion of the subdivision of T. 31 S., R. 20 E.

This survey was executed with Buff and Buff light mountain solar transits, serial Nos. 14191 and 26066, equipped with improved telescopic solar attachments constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the survey and were maintained in proper adjustment throughout the progress of the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from an altitude observation on the sun for azimuth, supplemented by other numerous solar observations and augmented by use of the solar attachment, which was periodically checked on a meridian established by Polaris observations.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true methods, but for simplification of the record, the random lines are omitted from these field notes. In accordance with the intent of the special instructions, all subdivisional corners established were calculated to be at the positions they would occupy if the entire township were to be subdivided.

Measurements were made with Chicago narrow steel tapes, 8 chains in length, graduated every 1/10 link for the first link, every link for the next 99 links, and thereafter at intervals of every 10 links. The tapes were tested by comparison with a 1-chain standard steel tape and found to be correct. Measurements were made on the slope; the vertical angle of each interval was ascertained by two clinometers in good adjustment, and the horizontal equivalents only are entered in this field note record. All lines of this survey were run by direct method where the lines were accessible, lines inaccessible to chaining were run by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position of the SE. cor. of the township is latitude $38^{\circ} 01' 56.8''$ N. and longitude $109^{\circ} 39' 46.7''$ W., as determined by traverse from U.S.G.S. triangulation station "House", situated in unsurveyed section 1 of T. 32 S., R. 18 E. The magnetic declination was read at a number of stations throughout the township, and the average of these readings was found to be 15° E.

Survey of the North Boundary, T. 31 S., R. 20 E.

The cor. of Ts. $30\frac{1}{2}$ and 31 S., R. 20 E. is established on the W. bdy. of sec. 6, T. 31 S., R. 21 E., at a point 40.00 chs. N. of the $\frac{1}{4}$ sec. cor. of sec. 1, T. 31 S., R. 20 E., and sec. 6, T. 31 S., R. 21 E., at which point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with a $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T30 $\frac{1}{2}$ S T31S
R20E R21E

S36 | S6

S 1 | T31S

North Boundary, T. 31 S., R. 20 E.

Chains

Thence

S. 89° 58' W., bet. secs. 1 and 36.

Over broken desert land, through scattered timber and scant undergrowth; asc. 85 ft. over E. slope.

3.90 Spur, projects S. 30° E.; desc. 80 ft. along S. slope.

20.50 Head of draw, drains S.; asc. 280 ft. over broken SE. slope.

37.00 E. rim of mesa, bears NE. and S. 20° W.

40.00 Point for the ¼ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.

T30½S R20E

¾ S 36

S 1

T31S

1957

Asc. 20 ft. over gentle E. slope.

45.90 W. rim of mesa, bears SE. and NW. 200 chs., thence NE.; desc. 370 ft. over broken SW. slope.

65.50 Wash, 1 ft. deep, 20 lks. wide, drains S. 200 chs., thence SE.; asc. 110 ft. along E. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, with brass cap mkd.

T30½S R20E

¾ S 36

S 2 S 1

T31S

1957

Land, broken desert.

Soil, sandy clay, with exposed sandstone and boulders.

Timber, scattered juniper and pinon.

Undergrowth, scattered mountain rush, greasewood, black brush, yellow top, sagebrush, and grass.

S. 89° 58' W., bet. secs. 2 and 35.

Over broken desert land, through scattered and dense timber and scant undergrowth; asc. 380 ft. over broken SE. slope.

19.20 E. rim of mesa, bears N. and SE.; asc. 85 ft. over gentle E. slope, through dense timber.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.

North Boundary, T30 1/2 S, R20 E, S 34, 35

Chains

T30 1/2 S R20 E

S35

S34

T31 S

1957

Deposit a sandstone, 5x3x3 ins., mkd. with a cross (X), at the base of the post.

Asc. 15 ft. over gentle E. slope.

51.00 W. rim of mesa, bears N. and S.; desc. 350 ft. along broken W. to NW. slope.

75.00 Head of draw, drains NW.; asc. 25 ft. along N. slope.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T30 1/2 S R20 E

S34 | S35

S 3 | S 2

T31 S

1957

Deposit a sandstone, 5x3x3 ins., mkd. with a cross (X), at the base of the post.

Land, broken desert.

Soil, sandy clay, with exposed sandstone and sandstone boulders.

Timber, medium dense juniper and pinon.

Undergrowth, scant bitter brush, mountain rush, black brush, yellow top, service berry, and grass.

S. 89° 58' W., bet. secs. 3 and 34.

Over broken desert land, through medium dense timber and scant undergrowth; asc. 120 ft. over E. slope.

10.20 Spur, projects NW.; desc. 160 ft. over broken NW. slope.

37.87 Point for the witness 1/4 sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.

T30 1/2 S R20 E

W S34

C S 3

T31 S

1957

38.00 Rim of ledges, bears N. and S.; desc. 120 ft. over W. slope.

40.00 True point for the 1/4 sec. cor. of secs. 3 and 34 falls on the slope of a ledge where the cor. cannot be perpetuated.

Desc. 160 ft. over W. slope.

50.00 Enter nearly level bottom land.

78.00 Wash, drains SW.

North Boundary of Secs. 20 & 21

Chains		meters
80.00	<p>Point for the cor. of secs. 3, 4, 33 and 34.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T30½ S R20E S33 S34 S 4 S 3 T31S 1957</p> <p>Land, broken and nearly level desert. Soil, sandy clay loam, with boulders and exposed sandstone. Timber, medium dense juniper and pinon the first half mile, scattered the balance. Undergrowth, scant bitter brush, service berry, black brush, and grass the first 50.00 chs.; dense grass and weeds the balance.</p>	
13.00	<p>S. 89° 58' W., bet. secs. 4 and 33.</p> <p>Over nearly level bottom land, through medium dense undergrowth.</p> <p>Tip of steep sandstone spur, 120 ft. high, projects SE.; desc. over sheer cliff.</p>	
17.00	<p>Thence across bottom land.</p>	
26.00	<p>Point for the witness ¼ sec. cor. of secs. 4 and 33.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T30½ S R20E ¼ W S33 C S 4 T31S 1957</p>	
40.00	<p>Deposit a sandstone, 6x6x2 ins., mkd. with a cross (X), at the base of the post.</p> <p>Thence across a series of sandstone spurs, ribs, knobs, and crevices.</p> <p>True point for the ¼ sec. cor. of secs. 4 and 33 falls on an inaccessible ledge.</p> <p>Continuous distance from the true point (for the ¼ sec. cor. of secs. 4 and 33) thence across a series of sandstone ribs, knobs, spurs, and crevices.</p>	
80.00	<p>True point for the cor. of secs. 4, 5, 32 and 33 falls on the steep slope of sandstone slick rock, where the corner cannot be perpetuated.</p> <p>Land, badly broken desert. Soil, sandy loam with barren sandstone. Timber, widely scattered dwarf juniper and pinon. Undergrowth, scant bitter brush, black brush, grass and weeds.</p>	
6.30	<p>S. 89° 58' W., bet. secs. 5 and 32.</p> <p>Over badly broken sandstone slick rock.</p> <p>Point for the witness cor. of secs. 4, 5, 32 and 33.</p>	

North Boundary, T. 31 S., R. 20 E.

Chains	
41.90	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
42.00	<p style="text-align: center;">T30½ S R20E S32 S33 W S 5 S 4 C</p>
42.80	Deposit charcoal at the base of the post.
40.00	<p style="text-align: center;">T31S 1957</p>
42.80	Thence over nearly level land.
40.00	Thence over a series of sandstone ribs and knobs; asc. 80 ft.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, with brass cap mkd.
	<p style="text-align: center;">T30½ S R20E S32 ¼ S 5 T31S 1957</p>
46.00	Asc. 80 ft. over NE. slope.
46.90	Spur projects NW.; desc. 40 ft. to rim.
48.20	Rim of ledges, 170 ft. high, bears NW. and S.
52.15	Salt Creek, stream of good water, 20 lks. wide, 2 ins. deep, flows NW.
54.30	Jeep road, bears NW. and SE.
60.00	Point of low sandstone spur from the W.; asc. 150 ft. to top of point from SW., thence over broken sandstone.
72.00	Low flat spur projects E. from SW.
74.30	Sandstone ledges; desc. 140 ft. into brush opening.
79.50	Wash, drains NE.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T30½ S R20E S31 S32 S 6 S 5 T31S 1957</p>
	Land, broken desert.
	Soil, sandy clay loam, with exposed sandstone.
	Timber, widely scattered dwarf juniper and piñon.
	Undergrowth, scant sagebrush, bitter brush, black brush, grass and weeds.

S. 89° 58' W., bet. secs. 6 and 31.

Over series of spurs and washes; asc. 120 ft. over N. facing ledges.

North Boundary, T. 31 S., R. 20 E.

Chains	
8.00	Tip of spur, projecting SE.; desc. 120 ft. over SW. facing, nearly vertical ledges.
11.25	Wash, 50 lks. wide, 1 ft. deep, drains SE.; asc. 200 ft. over NE. sloping ledges and knobs.
25.00	Spur, projecting N.; desc. 145 ft. over vertical ledge facing W.
32.00	Wash, 50 lks. wide, 1 ft. deep, drains NNE.; asc. 195 ft. over E. slope of ledges.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid bedrock and supported in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	<p>T30$\frac{1}{2}$S R20E $\frac{1}{4}$ S31 S 6 T31S 1957</p>
	Desc. 100 ft. over canyon wall facing NW.
46.00	Wash, 30 lks. wide, 1 ft. deep, drains N.; asc. 160 ft. over broken ledges facing SE.
56.80	Hogback, bears N. and S., by tri.; distances to topography are scaled from U.S.G.S. topographic sheets.
	Desc. 220 ft. over W. facing broken ledges.
65.50	Wash, 30 lks. wide, 1 ft. deep, drains NW.; asc. 160 ft. over nearly vertical, E. facing ledges.
73.00	Spur, projecting N. End of tri.
75.00	Point selected for the witness cor. of Ts. 30 $\frac{1}{2}$ and 31 S., Rs. 19 and 20 E.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut in solid bedrock, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.
	<p>T30$\frac{1}{2}$S R19E R20E W S36 S31 C S 1 S 6 T31S 1957</p>
	Desc. 120 ft. over ledges facing W.
76.96	True point for the cor. of Ts. 30 $\frac{1}{2}$ and 31 S., Rs. 19 and 20 E. falls on surface of a canyon wall 130 ft. high, bearing N. and S., where it is impractical to set the monument.
	Land, series of sandstone spurs and washes. Soil, sandy, with large areas of exposed sandstone. Timber, scattered juniper, pinon, and scrub oak along drainage. Undergrowth, scattered artemesia.

Retracement of a Portion of the East Bdy., T. 31 S., R. 20 E.

Retracement of the survey executed by Stewart and Anderson in 1911. Beginning at the $\frac{1}{4}$ sec. cor. of secs. 1 and 6, on the E. bdy. of the township, which is mkd. by an iron post, 1 in. diam., conforming to record.

Refracement of a Portion of the East Bdy., T. 31 S., R. 20 E.

Chains

Thence

Northerly, bet. secs. 1 and 6.

Over rolling and broken desert land, through scattered timber and scant undergrowth; asc. 25 ft. over gentle S. slope.

17.50 Slope changes to SW; asc. 145 ft. over SW. slope.

23.70 Saddle in spur projecting S. 30° E.; asc. 50 ft. along E. slope.

40.00 Point for the establishment of the cor. of Ts. 30 1/2 and 31 S., R. 20 E., 80.00 chs. N. of the cor. of secs. 1, 6, 7 and 12, T. 31 S., R. 20 and 21 E.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T30 1/2 S T31 S
R20 E R21 E
S36
S 1 | S 6
T31 S
1957

Deposit a sandstone, 5x4x2 ins., mkd. with a cross (X), at the base of the post.

Land, gently rolling the first 1/4 mile, broken the balance. Soil, sandy clay, with sandstone boulders. Timber, scattered pinon and juniper. Undergrowth, scant black brush, bitter brush, grass and weeds.

Survey of a Portion of the Subdivision, T. 31 S., R. 20 E.

Beginning at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township.

Thence

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling desert land, through medium dense timber and scant undergrowth. Land sloping gently to the E.

30.30 Land changes to a gentle NW. slope; desc. 25 ft.

40.00 Point for the 1/4 sec. cor. of secs. 35 and 36.

Set an iron post, 30-ins. long, 2 1/2 ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.

T31 S R20 E
1/4
S35 | S36
1957

Deposit a sandstone, 6x4x3 ins., mkd. with a cross (X), at the base of the post.

Desc. 25 ft.

46.10 Rim of sandstone ledges, bears E. and W.; desc. 880 ft. over broken N. slope.

Survey of a Portion of the Subdivision Called R. 20 E.

Chains	Description
72.00	Deep sandstone draw, fork of Davis Canyon, drains NW.; asc. 200 ft. over SW. sandstone slope.
80.00	True point for the cor. of secs. 25, 26, 35 and 36 falls on the face of a sandstone ledge, where the cor. cannot be perpetuated.
	At a point N. 0° 01' W., 131 chs. dist., point selected for the witness cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.
	<p>T31S R20E <u>S26</u> <u>S25</u> <u>S35</u> <u>S36</u> W.C. [unclear] 1957</p>
	<p>Land, broken desert. Soil, sandy clay, with exposed sandstone ledges and boulders. Timber, medium juniper and pinon. Undergrowth, scattered sagebrush, black brush, service berry, owiump, bitter brush and grass.</p>
	Beginning at the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, which is mkd. by an iron post, 3 ins. diam., conforming to the record.
	Thence
	S. 89° 56' W., bet. secs. 25 and 36.
	Over rough broken desert land, through scattered timber and scant undergrowth; asc. 660 ft. over ledgy SE. slope to top of rim.
14.00	Rim of sandstone ledges, 75 ft. high, bears NE. and SW.; asc. 80 ft.
20.00	Top of island butte, bears NE. and SW.; desc. 60 ft.
26.50	Rim of sandstone ledges, 75 ft. high, bears NE. and SW.; desc. 530 ft. over broken NW. slope.
39.95	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.
	<p>T31S R20E <u>S25</u> <u>S36</u> W.C. [unclear] 1957</p>
	Deposit a sandstone, 5x3x3 ins., mkd. with a cross (X) at the base of the post.
	Desc. over gentle W. slope.
55.40	Rim of sandstone ledges, bears NW. and SE.; desc. 600 ft. over ledgy SW. slope.
79.90	True point for the cor. of secs. 25, 26, 35 and 36.
	<p>Land, broken desert. Soil, sandy clay, with sandstone ledges and boulders. Timber, scattered juniper and pinon in the N. and medium dense in the S. portion of the section.</p>

Survey of a Fraction of the Subdivision T. 31 S., R. 20 E.

Chains

Undergrowth, scattered sagebrush, black brush, bitter brush, service berry, mountain rush, owlump and grass.

Beginning at the true point for the cor. of secs. 33 and 34, on the S. bdy. of the township, from which its witness cor. bears S. 89° 56' W., 3.70 chs. dist., which is mkd. by an iron post, 2½ ins. diam., conforming to the record.

(X) N. 0° 02' W., bet. secs. 33 and 34.

Note: Surveyed by traverse and tri., with true line topography scaled from U.S.G.S. topographic maps.

Over broken land in head of Davis Canyon; asc. 60 ft.

- 6.00 Sandstone spur, slopes NE.; desc. 560 ft. over ledges facing NW.
- 20.00 Wash, drains NE.; asc. 520 ft. over ledges facing SE.
- 25.00 Spur, slopes E.; desc. 480 ft. over N. slope.
- 34.00 Wash, drains E.; asc. 480 ft. over ledges facing SW., to rim.
- 40.00 True point for the ¼ sec. cor. of secs. 33 and 34 falls on inaccessible ledges of rim facing SW.; asc. 120 ft. over ledgy S. slope to point projecting E.
- 49.95 Point selected for the witness ¼ sec. cor. of secs. 33 and 34.
Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T31S R20E

¼

S33↓S34

W C

1957

Desc. 10 ft. over top of point.

58.70 Rim, bears N. 80° E. and S. 80° W.; desc. 240 ft. over ledges facing NW.

66.00 Bottom of ravine, drains NE.; asc. 180 ft. along ledges facing SE. to E.

70.00 Tip of spur from W.; desc. 240 ft. over NE. ledges.

77.00 Ravine, draining E.; asc. 200 ft. over vertical ledge facing SE.

80.00 True point for the cor. of secs. 27, 28, 33 and 34 falls on inaccessible ledges and was not monumented.

Land, broken.

Soil, sand and exposed sandstone.

Timber, very scattered juniper and pinon on points and rims.

N. 0° 02' W., bet. secs. 27 and 28.

Over broken land in head of Davis Canyon; asc. 240 ft. over ledges facing S.

5.00 Sandstone spur, bears NE.; desc. 520 ft. over ledges facing NW.

SURVEY of a Portion of the Subdivision T31S R20E

Chains	
16.50	Wash in bottom of ravine, drains NE.; asc. 200 ft. over broken SE. to E. slope of formation of ledges facing generally E.
33.00	Head of wash draining SE.; asc. 400 ft. over ledges facing SW.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28 falls on ledges facing SW.; asc. 50 ft. over ledges facing S.
44.12	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T31S R20E k S28 S27 W C 1957
	Asc. 60 ft. over small bench, through medium timber.
49.50	Base of small mesa; asc. 75 ft. over SW. slope.
52.90	Top of S. slope, also S. crest of small mesa to the E. of line; thence over W. slope of mesa.
71.30	N. crest of mesa; desc. 140 ft. over broken N. slope.
73.60	Base of steep N. slope; desc. 20 ft. over bench.
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T31S R20E S21 S22 S28 S27 1957
	Land, broken and rolling. Soil, sand and exposed sandstone. Timber, medium growth of juniper and pinon on mesas and benches.
	N. $0^{\circ} 02'$ W., bet. secs. 21 and 22.
	Desc. 25 ft. over top of bench, through medium timber.
5.20	S. rim of Horse Canyon, bears NE. and SW.; desc. 560 ft. over ledges facing N. into Horse Canyon.
13.80	Base of steep N. slope, a cliff bears E. and NW. to N.; asc. 40 ft. along ledgy E. slope.
27.00	Spur, capped by two sandstone spires, bears NE.; desc. 160 ft. over N. slope.
34.00	Base of N. slope, bears NE. and SW.; desc. 30 ft. over bottom of Horse Canyon.

Survey of a Portion of the Subdivision, T³¹ S., R. 20 E.

Chains	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.
	<p style="text-align: center;">T31S R20E $\frac{1}{4}$ S21 S22 1957</p>
	Desc. 15 ft. over bottom of Horse Canyon, through heavy growth of sagebrush and scattered patches of oak.
47.00	Wash in bottom of Horse Canyon, 10 lks. wide, 4 ft. deep, drains N. 60° W.; asc. 10 ft. over almost level canyon bottom.
48.50	Thence over base of ledges facing W.
62.00	Base of ledges, bears E. and S., thence over level bottom of cove.
67.50	Small wash, drains WSW.
69.00	Base of ledges facing S.; asc. 400 ft. over ledges.
75.00	S. crest of point projecting W. from E., thence over top of point.
79.20	N. crest of same point; desc. 220 ft. over ledges facing N.
80.00	True point for the cor. of secs. 15, 16, 21 and 22 falls on inaccessible ledge facing N.
	Land, broken and rolling bottom of Horse Canyon. Soil, sand and exposed sandstone. Timber, scattered juniper and pinon on rims and points, and scattered oak patches in canyon bottom.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over broken land and rolling bottom of Horse Canyon; desc. 300 ft. over ledges facing N.
6.50	Base of ledges facing N., thence over rolling bottom of cove in Horse Canyon.
6.90	Point selected for the witness cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a collar of stone, with brass cap mkd.
	<p style="text-align: center;">T31S R20E S16 S15 S21 S22 W C 1957</p>
	Cont. over rolling bottom of cove.
17.00	Wash, drains NW.; asc. slight SW. slope.
20.00	W. point of spur which slopes W. from E.; desc. slight NW. slope.
28.00	Wash, drains W.; asc. slight SW. slope.
30.00	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Survey of a Portion of the Subdivision, T. 31 S., R. 20 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T31S R20E

W C

¼

S16|S15

1957

31.50 Base of steep series of ledges; asc. 360 ft. over SW. to S. slope.

40.00 True point for the ¼ sec. cor. of secs. 15 and 16 falls on face of inaccessible ledges.

46.00 S. crest of point projecting W. from E., thence over top of point.

52.00 N. crest of same point, bears E. and W.; desc. 150 ft. along top of spur sloping N.

60.00 Spur, slopes N. 20° E.; desc. 320 ft. over ledges facing NW.

71.50 Base of ledges; desc. 30 ft. over cove in bottom of Horse Canyon.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, and in a collar of stone, with brass cap mkd.

T31S R20E

S 9|S10

S16|S15

1957

Land, broken on points and rims, rolling in bottom of canyon. Soil, sand and exposed sandstone.

Timber, scattered juniper and pinon on points and rims, with patches of oak and cottonwood in bottom of canyons.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling bottom of cove in bottom of Horse Canyon.

3.00 Base of series of ledges, bears SW. and E.; asc. 500 ft. over ledges facing SE.

20.19 Top of rim, bears NE. and SW.; asc. 40 ft. over rolling timbered bench.

34.50 Top of ascent, bears E. and W.; desc. 40 ft. over rolling N. slope.

40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

T31S R20E

S 9|S10

1957

Desc. 20 ft. over N. slope.

53.50 Top of high rim, bears NW. and E.; desc. 200 ft. over ledges facing NNE. along spur to W. of line.

Survey of a Portion of the Subdivision, T. 31 S., R. 20 E.

Chains

62.00 Begin ascent of 100 ft. along spur to top of knob with sheer drop-off on all sides.

66.00 Top of knob; desc. 200 ft. over surrounding ledges.

70.00 Base of same rim; desc. 40 ft. over gentle N. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T31S R20E
S 4 | S 3
S 9 | S 10
1957

Land, broken and rolling.
Soil, sand and exposed sandstone.
Timber, medium growth of juniper and pinon on high elevations, none on lower rolling land.

N. 0° 21' W., bet. secs. 3 and 4.

Over nearly level land; desc. 10 ft.

22.50 Begin ascent of 100 ft. over SW. slope.

29.00 Top of narrow sandstone finger, bears SE. 3 chs. to saddle; desc. 45 ft. over rolling land.

40.00 Point for the ¼ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T31S R20E
¼
S 4 | S 3
1957

Deposit charcoal at bottom of post.

Desc. 15 ft. over rolling land.

50.80 Junction of washes from E. and SE., 20 lks. wide, 3 ft. deep, drains W.; asc. 20 ft. over rolling land.

78.00 Wash, 30 lks. wide, 2 ft. deep, drains SW.

80.04 The cor. of secs. 3, 4, 33 and 34.

Land, rolling.
Soil, sand.
Timber, none.

Beginning at the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the township, hereinbefore described.

Thence

S. 0° 01' E., bet. secs. 2 and 3.

Survey of a Portion of the Subdivision T-01-E, R. 20-E.

Chains		meters
	Over broken desert land, through scattered timber and scrub growth; asc. 190 ft. over broken N. slope.	
8.00	Top of ascent, thence over flat rolling spur, projecting N. 70° W. Thence by tri., topography approximate.	00.00
13.00	Begin descent; desc. 240 ft. over ledges facing SW.	00.00
21.50	Base of steep slope; desc. gradually.	
26.50	Rim of ledges, bears N. 20° W. and S. 20° E.; desc. 200 ft. over ledgy SW. slope.	
38.50	Wash, 2 lks. wide, 5 ft. deep, drains NW.	
40.03	True point for the 1/4 sec. cor. of secs. 2 and 3, falls in an inaccessible sandy basin.	
46.81	Base of steep slope; asc. 160 ft. over N. to NE. slope.	
51.80	Rim of ledges, bears E. and W., thence over gentle NE. slope.	
51.89	Point for the witness 1/4 sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 3 ft. base to top, with brass cap mkd.	00.00
	T31S R20E S34S2 W C 1957	00.00
65.00	Asc. 190 ft. over broken NE. slope.	
71.00	Spur, projects N. 60° W.; desc. 60 ft. along SW. to W. slope.	
80.03	Point for the cor. of secs. 2, 3, 10 and 11. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.	00.00
	T31S. R20E S 3 S 2 S10 S11 1957	00.00
	Deposit a sandstone, 4x2 ins., mkd. with a cross (X), at the base of the post.	
	Land, broken desert. Soil, rocky, sandy, and clay with exposed sandstone. Timber, scattered juniper and pinon. Undergrowth, scattered bitter brush, wild apple, sagebrush, yellow top and grass.	00.00
	N. 89° 58' E., bet. secs. 2 and 11.	
	Over broken desert land, through scattered timber and scrub undergrowth; asc. 180 ft. over W. slope.	
6.00	Spur, projects N. 30° W.; desc. 180 ft. along NE. slope.	

Survey of a Portion of the Subdivision, T. 31 S., R. 20 E.

Chains

17.50 Head of draw, drains N.; asc. 160 ft. over NW. slope.

32.70 Spur, projects NE.; desc. 110 ft. along SE. slope.

40.00 Point for the 1/4 sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, on the E. slope of a small spur, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T31S R20E
S 2
1/4 S11
1957

Deposit a sandstone, 4x4x2 ins., mkd. with a cross (X) at the base of the post.

Desc. 330 ft. into basin.

70.00 Slope changes to S., then to SW.; asc. 180 ft. over a SW. slope.

79.80 Point for the witness cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T31S R20E
S 2 | S 1
S11 | S12
W C
1957

Deposit a sandstone, 5x5x3 ins., mkd. with a cross (X), at the base of the post.

80.00 True point for the cor. of secs. 1, 2, 11 and 12 falls on the steep slope of a sandstone ledge where the cor. cannot be perpetuated.

Land, broken desert.
Soil, sandy clay, with exposed sandstone.
Timber, medium dense dwarf juniper and pinon.
Undergrowth, scant bitter brush, black brush, service berry and grass.

N. 0° 04' W., bet. secs. 1 and 2.

Over broken desert land, through scattered timber and scant undergrowth; asc. 105 ft. over broken S. slope.

2.50 Ridge, bears NW. and SE.; desc. 380 ft. over N. to NE. slope.

27.65 Draw, drains E.;

30.00 Draw, drains SE.; asc. 160 ft. over a S. slope.

40.00 Point for the 1/4 sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid sandstone, in a large mound of stone, with brass cap mkd.

T31S R20E
S 2 | S 1
S11 | S12
1957

Thence over E. slope.

Survey of a Portion of the Subdivision of Tassius, R. 20 E.

Chains	
55.00	Slope changes to NE.; desc. 160 ft. over rolling spur putting to the E.; desc. 160 ft.
60.50	Draw, drains E.; asc. 180 ft. over S. slope.
67.00	Thence over rolling spur top putting to the E.; desc. 160 ft.
79.81	<p>The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the township.</p> <p>Land, broken desert.</p> <p>Soil, sandy clay, with boulders and exposed sandstone.</p> <p>Timber, scattered juniper and pinon.</p> <p>Undergrowth, scant black brush, bitter brush, grass and weeds.</p>
	From the true point for the cor. of secs. 15, 16, 21 and 22.
	S. 89° 56' W., bet. secs. 16 and 21.
	Note: Surveyed by traverse and tri.; true line topography scaled from U.S.G.S. topographic maps.
	Along broken N. face of point projecting W. from E.
10.00	Long finger-like spur projects NNW.; desc. 240 ft. over NW. slope.
20.00	Base of ledges; desc. 40 ft. over rolling bottom of Horse Canyon.
26.50	Wash in bottom of Horse Canyon, 20 lks. wide, 5 ft. deep, drains NW.; asc. 30 ft. over E. slope.
31.00	Top of ascent, bears N. and S.; desc. 30 ft. over W. slope.
38.50	Small wash, drains N., flowing a little water from springs along its banks; asc. 15 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3¼ ft. base, to top, with brass cap mkd.
	T31S R20E
	* S16
	* S21
	1957
	Cor. falls at base of sandstone ledge facing E., in heavy growth of oak.
	from which
	A cottonwood, 18 ins. diam., bears N. 85° E., 3.10 chs. dist., mkd. T31S R20E ¼ S16 BT.
	Asc. 210 ft. over series of sandstone ledges facing E.
45.50	Spur, slopes N. 15° E.; desc. 200 ft. over NW. slope.
56.00	Base of NW. slope, thence over broken land, in head of cove.
64.00	Base of series of sheer ledges facing SE.; asc. 320 ft. over ledges.
70.13	Point selected for the witness cor. of secs. 16, 17, 20 and 21, falls on high spur projecting NE.

Survey of a Portion of the Subdivision, T. 31 S., R. 20 E.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T31S R20E
W S17 | S16
C S20 | S21
1957

Asc. 300 ft. over series of inaccessible ledges facing eastward.

74.50 Razorback ridge, bears N. from S. 10° W.; desc. 400 ft. over inaccessible ledges facing W.

80.00 True point for the cor. of secs. 16, 17, 20, and 21 falls in bottom of steep canyon draining generally N.

Land, broken and rolling.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon, with patches of oak and cottonwood in canyon bottom.

From the true point for the cor. of secs. 16, 17, 20 and 21.

N. 0° 03' W., bet. secs. 16 and 17.

Desc. along bottom of canyon draining generally N.

10.00 Begin ascent of 560 ft. over SW. slope and ledges facing S. to SW.

17.50 Top of high spur bearing WNW.; desc. 400 ft. over N. slope.

28.50 Slope changes; thence over W. slope, changing to NW.; desc. 80 ft.

40.00 True point for the 1/4 sec. cor. of secs. 16 and 17 falls on inaccessible area of steep canyon draining generally NE. and was not monumented.

Asc. 280 ft. over SE. to S. slope and ledges.

49.00 Top of ascent, a point projecting from the WNW.; desc. 320 ft. over NNE. slope.

56.50 Bottom of descent; asc. 320 ft. over S. slope.

61.50 High finger-like spur projects E., thence over crevice.

65.00 Razorback spur ridge, projecting N. 60° E.; desc. approx. 400 ft. to core over N. slope.

80.00 The cor. of secs. 8, 9, 16 and 17.

Land, broken and rolling.
Soil, sand and exposed sandstone.
Timber, scattered growth of juniper and pinon.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 56' W., bet. secs. 9 and 16.

Over rolling bottom of cove in Horse Canyon.

14.00 Base of ledges, bears N. and S.; asc. 240 ft. along E. face of ledges.

19.00 Top of ascent; thence along S. face of ledges.

Survey of a Portion of the Subdivision, T31S E. R. 20 E.

Chains		meters
30.00	Slope changes, desc. 100 ft. over SW. slope to 1/4 sec. cor.	
40.00	Point for the 1/4 sec. cor. of secs. 9 and 16.	
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.	
	<p style="text-align: center;">T31S R20E S 9 1/4 316 1957</p>	
	Cont. over bottom of Horse Canyon.	
42.20	Wash in bottom of Horse Canyon, 30 lbs. wide, 3 ft. deep, drains N, 25° W.; asc. 20 ft. over canyon bottom.	
46.60	Base of sandstone ledges, bears N. and S.; asc. 200 ft. over ledges facing E.	
50.20	Tip of spur sloping N.; desc. 200 ft. over ledges facing W.	
53.00	Base of ledges, bears N. and S.; desc. 20 ft. over W. slope.	
56.80	Small wash, drains NE.; asc. 200 ft. over ledges facing SE.	
67.50	Spur, slopes NNE.; desc. 180 ft. over ledges facing W.	
72.00	Base of same ledges, bears NE. and SW., thence over bottom of cove in Horse Canyon.	
80.00	Points for the cor. of secs. 8, 9, 16 and 17.	
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with a sandstone slab, 36x30x6 ins., standing on end W. of cor., with brass cap mkd.	
	<p style="text-align: center;">T31S R20E S 8 S 9 17 16 1957</p>	
	Land, broken and rolling. Soil, sand and exposed sandstone.	
	Timber, medium growth of juniper and pinon and patches of oak in canyon bottom.	
	Beginning at the true point for the cor. of secs. 32 and 33 on the S. bdy. of the township, which is witnessed S. 89° 56' W., 1.00 ch. dist by an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of T. 32 S., R. 20 E.	
	N. 0° 03' W., bet. secs. 32 and 33.	
	Over broken desert land, through medium timber and medium undergrowth desc. 80 ft. over N. slope.	
13.50	Draw, drains NW.; asc. 440 ft. over a series of sandstone ledges, ribs and knobs, putting to the SW. (to W. slope to top end more)	
30.00	Top of ascent, thence over W. slope.	
40.00	True point for the 1/4 sec. cor. of secs. 32 and 33 (a ledge) on an inaccessible ledge; asc. 200 ft. over S. slope.	
49.80	Point for the witness 1/4 sec. cor. of secs. 32 and 33.	

Survey of a Portion of the Subdivision, T. 31 S., R. 20 E.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over across (X) cut in solid sandstone, in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T31S R20E

1/4

S32|S33

W C

1957

Asc. 120 ft. over S. to SW. slope.

62.90 Top of ascent; desc. 55 ft. over N. slope.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 2 1/2 ft. base to top, with brass cap mkd.

T31S R20E

S29|S28

S32|S33

1957

Deposit a sandstone, 5x5x3 ins., mkd. with a cross (X) at the base of the post.

Land, broken desert.

Soil, sandy clay, with sandstone outcroppings, ledges, ribs, and knobs

Timber, medium juniper and pinon.

Undergrowth, medium owiump, bitter brush, service berry, sagebrush, yucca and grass.

Beginning at the true point for the cor. of secs. 31 and 32, on the S. bdy. of the township, which is witnessed S. 89° 56' W., 1.00 ch. dist., by an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of T. 32 S., R. 20 E.

N. 0° 03' W., bet. secs. 31 and 32.

Enter bottom land, dense sagebrush, rabbit brush, and greasewood.

Over broken and nearly level desert land, through scattered timber and dense undergrowth; desc. 60 ft. over N. slope.

13.00 Wash, E. fork of Salt Creek, drains N. 30° W., 2.00 chs., thence N. 3.00 chs., thence NW., thence over slight W. slope.

36.00 Wash, drains SW.; asc. 40 ft.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T31S R20E

1/4

S31|S32

1957

Deposit a sandstone, 4x4x3 ins., mkd. with a cross (X) at the base of the post.

43.00 Base of broken ledges bearing NE, and SW.; asc. 200 ft. over a series of sandstone knobs and ribs.

Chains	
56.00	Spur, projects SE.; desc. 340 ft. over NE. slope.
63.00	Slope changes; asc. 400 ft. over ledges facing SE.
70.00	Sandstone rim, bears N. 20° E. and S. 20° W.; SE. edge of island mesa.
80.00	<p>Point for the cor. of secs. 29, 30, 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>
	<p>T31S R20E §30 §29 §31 §32 1957</p>
	<p>Deposit a sandstone, 4x3x3 ins., mkd. with a cross (X) at the base of the post.</p> <p>Land, broken desert.</p> <p>Soil, sandy clay loam in the bottom land, barren sandstone the balance.</p> <p>Timber, widely scattered juniper and pinon.</p> <p>Undergrowth, dense sagebrush and rabbit brush on the bottom land; scant black brush, bitter brush, and service berry the balance.</p>
	<p>S. 89° 56' W., bet. secs. 29 and 32.</p> <p>Over broken desert land, through medium timber and scattered undergrowth; asc. 25 ft. over E. slope.</p>
13.60	Top of ascent; desc. 20 ft.
18.00	Head of draw, drains SSW.
23.50	Rim, bears NNW. and NE.; desc. 320 ft. over broken S. to SW. slope.
30.00	Draw, drains SW.; asc. 120 ft. over broken E. slope.
35.00	Spur projects S.; desc. 120 ft. over broken SW. slope.
39.95	<p>True point for the ¼ sec. cor. of secs. 29 and 32 falls on an inaccessible ledge.</p> <p>Asc. 200 ft. over ESE. slope.</p>
	Counting distance from the true point for the ¼ sec. cor. of secs. 29 and 32.
48.60	<p>Point for the witness ¼ sec. cor. of secs. 29 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.</p>
	<p>T31S R20E ¼ §29 W §32 C 1957</p>
	Deposit a sandstone, 4x4x3 ins., mkd. with a cross (X) at the base of the post.
48.80	Spur, projects S. 10° W.; desc. 200 ft. over ledge W. slope.
54.00	Saddle between two spurs from the E. and S. 80° W.; with sheer

Survey of a Portion of the Subdivision, T. 31 S., R. 20 E.

Chains

ledges to the N. and to the S.; asc. 320 ft. over broken NE. changing to E. slope.

75.60

Sandstone rim, bears NE. and S.; E. edge of island mesa; asc. 40 ft.

79.90

The cor. of secs. 29, 30, 31 and 32.

Land, broken desert.

Soil, sandy clay loam, with barren sandstone.

Timber, medium dense patches of juniper and pinon.

Undergrowth, medium black brush, bitter brush, mountain rush and grass.

General Description

The land in the township is all badly broken desert land. The township is cut by numerous steep sided box canyons. The southeastern portion of the township drains into Davis Canyon, which drains in a northeasterly direction. The northwestern portion of the township drains into Horse Canyon, which drains in a northwesterly direction. The soil is principally a sandy clay, with a large amount of exposed broken and eroded sandstone. There is a medium dense growth of juniper and pinon in the northeast portion of the township, and patches of medium and scattered juniper and pinon the balance. The undergrowth is mainly sagebrush, with lesser amounts of greasewood, black brush, mountain rush, bitter brush, silverleaf, cacti, grass and weeds. There are no habitants in the township. A considerable amount of prospecting for fissionable minerals has been and to some extent is still being carried on in the area.

4-690
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Alburn D. Griffin	Notekeeper
Max E. Swindle	Frontchainman
Parley Pratt	Flagman
Rulon S. Ellett	Axeman
Max E. Sevy	Cornerman
Craig P. Sylvester	Crew Chief
Eldon W. Sibley	Notekeeper
John R. Koger	Frontchainman
Darwin P. Russell	Flagman
Ferrell Reynolds	Cornerman
James Jepson	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

We,

X Fred R. Chappell and Craig P. Sylvester, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 12th day of October, 1957

We ~~have~~ surveyed the north boundary, retraced a portion of the east boundary, and surveyed a portion of the subdivision of Township 31 South, Range 20 East.

of the Salt Lake Meridian, in the State of Utah; which is represented in the foregoing field notes as having been executed by ~~me~~ ^{us} and under ~~my~~ ^{our} direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

September 11, 1957

Salt Lake City, Utah

Fred R. Chappell
Fred R. Chappell, Cadastral Surveyor
Craig P. Sylvester
Craig P. Sylvester, Cartographic Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 1957

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that
 pursuant of special instructions bearing date of the 12th day of October, 1958
 I have ~~personally~~ supervised the survey of the north boundary, a retracement of a part
 of the east boundary, and the survey of a portion of the subdivision of Township
31 South, Range 20 East.

of the Salt Lake Meridian, in the State of Utah, which a
 represented in the foregoing field notes as having been executed ~~by me and under my supervision~~
^{under my supervision}; and the
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

September 11, 1957

Salt Lake City, Utah



Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 13 1958, 1958

The foregoing field notes of the survey of the north boundary, a retracement of a part
of the east boundary, and the survey of a portion of the subdivision of Township
31 South, Range 20 East, Salt Lake Meridian, Utah

executed by Fred R. Chappell and Craig P. Sylvester
 under the supervision of Vern E. Lane.

having been critically examined and found correct, are hereby approved.



Carl G. Harrington
 Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~

~~is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion of the Subdivisional Lines

of

Township 32 South, Range 11 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Craig P. Sylvester, Cartographic Survey Aid

Donald A. Cannon, Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided and supplemental special instructions dated April 16, 1956

for the surveys included under Group No. 400, approved April 4, 1955 and April 23, 1956

and assignment instructions dated April 23, 1956

Survey commenced May 7, 1956

Survey completed August 1, 1956

INDEX DIAGRAM

Township 32 South , Range 11 East

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16-56770-1

—— Lines surveyed by Craig P. Sylvester

—— Lines surveyed by Donald A. Cannon

Township 32 South, Range 11 East

Chains

The south boundary was surveyed by E. Bird and R. C. Yundt in 1922. The east boundary was surveyed by E. Bird and E. Smith in 1922. The west boundary was surveyed by E. Bird in 1930, and the north boundary was surveyed by E. Bird in 1922.

The following field notes are those of the survey of a portion of the subdivision of T. 32 S., R. 11 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with Buff and Buff solar transit No. 26066 and Gurley solar transit No. 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work, and were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true line method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct methods where the lines were accessible. The inaccessible lines were run by traverse or triangulation methods, such traverses and triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the SE. corner of the township is, latitude $37^{\circ} 58' 20''$ N., longitude $110^{\circ} 38' 20''$ W., as scaled from U.S.G.S. topographic maps.

The magnetic declination was read at a number of stations throughout the township, and the average of the several readings was found to be $15^{\circ} 30'$ E.

Portion of the Subdivision of T. 32 S., R. 11 E.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, monumented with an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. $0^{\circ} 07'$ E., bet. secs. 35 and 36.

Over rolling land, draining NE., through scattered juniper and pinon; asc. 40 ft. over S. slope.

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains

- 11.40 Road, bladed, bears E. and W.; thence along E. slope.
- 35.00 Begin descent of 140 ft. along NE. slope, into Coyote Creek.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd.
- $\frac{1}{4}$
S 35 | S 36
1956
- Desc. 50 ft. over abrupt NE. slope.
- 42.70 Wash, Coyote Creek, 20 lks. wide, 10 ft. deep, course E.; asc. 30 ft. over S. slope.
- 45.20 Road, bears E. and W.; desc. 60 ft. along rolling E. slope.
- 61.80 Wash, Slate Creek, 50 lks. wide, 6 ft. deep, course SE.; asc. 120 ft. over rolling SE. slope.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T32S R11E
S26 | S25
S35 | S36
1956
- Land, rolling.
Soil, sand and rocks.
Timber, scattered juniper and pinon.
-
- From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
- N. $89^{\circ} 51'$ W., bet. secs. 25 and 36.
- Over rolling land, through scattered juniper and pinon; asc. 40 ft. over SE. slope.
- 6.80 Top of ascent, bears NW. and SE.; desc. 130 ft. over SW. slope.
- 27.90 Road, bladed, bears NW. and SE.; desc. 30 ft.
- 28.90 Same road, bears NE. and SW.; asc. 30 ft.
- 30.30 Spur, slopes SW.; desc. 20 ft. over SW. slope.
- 39.96 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains

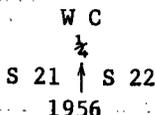
- S. 25
S 36
1956
- 42.80 Wash, course SE.; asc. 30 ft. over E. slope.
- 43.50 Road, bladed, bears NE. and SW.; asc. 110 ft. over NE. slope.
- 74.00 Top of ascent, bears NW. and SE.; desc. 50 ft. over SW. slope.
- 79.93 The cor. of secs. 25, 26, 35 and 36.
- Land, rolling.
Soil, light clay and loose rock.
Timber, scattered juniper and pinon.
-
- From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
- N. 0° 06' E., bet. secs. 33 and 34.
- Over rolling hills, through scattered juniper and pinon; desc. 40 ft. along W. slope.
- 4.70 Wash, Coyote Creek, 50 lks. wide, 13 ft. deep, course N. 30° E.; asc. 100 ft. over SE. slope.
- 13.70 Spur, projects NE.; continue over rolling hills.
- 23.50 Crest of slope, bears E. and W.; desc. 140 ft. over N. slope.
- 31.60 Wash, 10 lks. wide, 1 ft. deep, course E.; asc. 30 ft. over S. slope.
- 38.20 Top of ascent, slopes NE.; leave timber.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.
- Set an iron post, 30 ins. long; $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd:
- $\frac{1}{4}$
S 33 | S 34
1956
- Desc. 40 ft. along NW. slope.
- 51.40 Top of steep slope, bears N. 70° E. and S. 70° W.; desc. 90 ft. over steep N. slope.
- 56.80 Wash, 30 lks. wide, 4 ft. deep, course NE.; asc. 120 ft. over SE. slope.
- 68.90 Spur, slopes S. 60° E.; desc. 60 ft. along broken E. slope.
- 80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Chains	
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T32S R11E <u>S28 S27</u> <u>S33 S34</u> 1956</p> <p>Land, rolling. Soil, light clay and loose rocks. Timber, medium juniper in south, thinly scattered in north.</p>
	<p>N. 0° 06' E., bet. secs. 27 and 28.</p> <p>Over broken hills, through thinly scattered juniper and pinon; desc. 230 ft. over NE. slope.</p>
29.50	<p>Wash, 50 lks. wide, 4 ft. deep, course E.; asc. 110 ft. over broken S. slope.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 27 and 28.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 1½ ft. high, with brass cap mkd.</p> <p style="text-align: center;">¼ S 28 S 27 1956</p>
	<p>Asc. 100 ft. over rolling SE. slope.</p>
55.40	<p>Slope changes to W.; asc. 30 ft.</p>
66.90	<p>Wash, 10 lks. wide, 1 ft. deep, course S. 20° W.; continue along bottom of wash.</p>
76.00	<p>Head of same wash; asc. 80 ft. over S. slope.</p>
80.00	<p>Point for the cor. of secs. 21, 22, 27 and 28.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd.</p> <p style="text-align: center;">T32S R11E <u>S21 S22</u> <u>S28 S27</u> 1956</p> <p>Land, broken. Soil, light clay and rocks. Timber, thinly scattered juniper and pinon.</p>
	<p>N. 0° 06' E., bet. secs. 21 and 22.</p> <p>Over broken land, through scattered timber; asc. 20 ft. along E. slope.</p>

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains

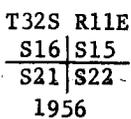
- 5.00 Top of ascent, bears W. and slopes E.; desc. 200 ft. over ledges facing N.
- 10.30 Base of steep descent, bears E. and W.; desc. 200 ft. over N. slope.
- 13.80 Slate Creek, 150 lks. wide, 40 ft. deep, course E.; asc. 410 ft. over ledges on reef facing S.
- 39.31 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 21 and 22.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.



- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22, falls on face of a ledge about 10 ft. high, facing N.
Desc. 110 ft. over ledgy NE. slope.

- 54.00 Drain, course SE.; asc. 80 ft. over broken S. slope.
- 58.30 Top of ascent on saddle of reef; continue along broken ledgy W. face of reef.
- 80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.



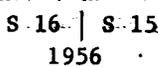
Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

N. 0° 06' E., bet. secs. 15 and 16.

Over broken land, through scattered timber; desc. 320 ft. along ledgy W. face of cliff.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.



Asc. 80 ft. along broken W. face of reef.

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains

- 47.00 Base of steep ascent, bears N. 15° W. and S. 15° E.; asc. 600 ft. over ledges.
- 55.00 Top of reef, bears N. and S. 20° E.; continue along rim of reef.
- 78.00 Rim turns N. 30° E.; desc. 60 ft. over NW. slope.
- 80.00 Point for the cor. of secs. 9, 10, 15 and 16.
- Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T32S R11E
S9 | S10
S16 | S15
1956
- Land, rough and broken W. face of reef.
Soil, sandstone surface.
Timber, scattered juniper.
-
- N. 0° 06' E., bet. secs. 9 and 10.
- Over broken land, through scattered timber; desc. 520 ft. over steep NW. slope.
- 16.70 Wash, 20 lks. wide, 3 ft. deep, drains E.
- 20.00 South Fork of North Wash, 100 lks. wide, 3 ft. deep, course E.; continue over nearly level land.
- 28.00 Base of ascent, bears E. and W.; asc. 200 ft. over ledges facing S.
- 31.60 Top of ascent, bears E. and N. 70° W.; asc. 50 ft. along broken E. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 9 and 10.
- Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- ¼
S 9 | S 10
1956
- Asc. 90 ft. over ledge facing S.
- 41.20 Top of ledge, bears E. and W.; desc. 140 ft. along broken E. slope.
- 73.34 Bladed road, bears S. 15° E. and N. 20° W. 3 chs., thence E.; desc. 40 ft. along base of E. slope.
- 80.00 Point for the cor. of secs. 3, 4, 9 and 10.
- Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Part of the Subdivision of T. 32 N., R. 11 E.

Chains

T32S R11E

S4 | S3

S9 | S10

1956

Land, broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper.

N. 0° 11' E., bet. secs. 3 and 4.

Over broken land, through scattered timber.

1.50 Bladed road, bears N. 70° E. and S. 80° W.; asc. 90 ft. along broken E. slope.

25.50 Wash, 20 lks. wide, 3 ft. deep, course E.

38.70 S. rim of Copper Creek Canyon, bears N. 70° W. and S. 70° E.; desc. 40 ft. over ledgy N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

S 4 | S 3

1956

Over rough and broken slopes of Copper Creek Canyon; desc. 310 ft. over NE. slope.

60.60 Copper Creek, 25 lks. wide, 6 ft. deep, course S. 15° E.; asc. 50 ft. over S. slope.

64.90 Base of broken ledges, bears NW. and SE.; asc. 330 ft. over ledgy SW. slope.

80.99 The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, broken.
Soil, clay and exposed sandstone.
Timber, scattered juniper.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the township, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

S. 0° 07' W., bet. secs. 1 and 2.

Over rolling land, through scattered timber; desc. 10 ft.

5.20 Bladed road, bears N. 80° W. and S. 80° E.; asc. 50 ft. over S. slope.

10.70 Spur, slopes E.; desc. 140 ft. over rolling S. slope.

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains

- 23.30 Bladed road, bears NW. and SE.; desc. 30 ft. over steep S. slope.
- 24.10 Wash, 30 lks. wide, 3 ft. deep, course SE.
- 25.50 Bladed road, bears N. 60° W. and S. 60° E.; asc. 40 ft. over N. slope.
- 41.13 Point for the ¼ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

S 2 | S 1
1956

- Asc. 80 ft. over N. slope.
- 49.00 Top of ascent, bears NE. and SW.; continue over rolling top.
- 62.80 N. rim of Copper Creek Canyon, bears NE. and SW.; desc. 160 ft. over broken ledge and steep SE. slope.
- 76.80 Copper Creek, 50 lks. wide, 10 ft. deep, course E.; asc. 40 ft. over N. slope.
- 81.13 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone surface, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R11E
S2 | S1
S11 | S12
1956

Land, rolling and broken.
Soil, sand and exposed shale.
Timber, scattered juniper.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the township, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

S. 0° 07' W., bet. secs. 2 and 3.

Over rolling land, through scattered timber; desc. 100 ft. along E. slope.

- 12.50 Wash, 20 lks. wide, 2 ft. deep, course N. 70° E.
 - 25.20 Wash, 20 lks. wide, 3 ft. deep, course E.; asc. 20 ft. over E. slope.
 - 38.00 Bladed road, bears E. and SW.
 - 41.06 Point for the ¼ sec. cor. of secs. 2 and 3.
- Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains

S 3 | S 2
1956

Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Continue over rolling SE. slope.

49.60 Bladed road, bears E. and W.

55.80 Copper Creek, 20 lks. wide, 2 ft. deep, course E.; desc. 40 ft. over rolling land.

81.06 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R11E
S3 | S2
S10 | S11
1956

Land, rolling.

Soil, light clay and rocks.

Timber, thinly scattered juniper.

From the cor. of secs. 1, 2, 11 and 12.

N. 89° 59' W., bet. secs. 2 and 11.

Over broken land, through scattered timber; asc. 130 ft. along N. slope.

19.90 Top of small hill, bears NW. and SW.; desc. 120 ft. over steep W. slope.

24.80 Wash, 30 lks. wide, 2 ft. deep, course N, 10° W. about 7 chs, to junction with Copper Creek from W.; asc. 120 ft. over E. slope.

39.20 Spur, slopes N. 80° W.; desc. 10 ft. over SW. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

¼ S 2
S 11
1956

Raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

Desc. 30 ft. along rolling N. slope.

56.50 Wash, 20 lks. wide, 2 ft. deep, course NE.; asc. 60 ft. over SE. slope.

64.00 Top of ascent, slopes S.; desc. 30 ft. over SW. slope.

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains	
71.50	Wash, 20 lks. wide, 2 ft. deep, course SE.; asc. over E. slope.
80.00	The cor. of secs. 2, 3, 10 and 11. Land, rolling. Soil, clay and shale. Timber, scattered juniper.
	N. 89° 52' W., bet. secs. 3 and 10. Over rolling land, through scattered juniper; asc. 270 ft. over E. slope.
39.97	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. $\frac{1}{4} \frac{S 3}{S 10}$ 1956 Asc. 270 ft. over broken E. slope.
79.95	The cor. of secs. 3, 4, 9 and 10. Land, rolling. Soil, clay and shale. Timber, scattered juniper and pinon.
	From the cor. of secs. 15, 16, 21 and 22. N. 89° 51' W., bet. secs. 16 and 21. Over rough and broken land, through scattered timber; desc. 560 ft. over W. slope of reef.
12.50	Wash, 40 lks. wide, 3 ft. deep, course N. 20° E.; asc. 480 ft. over ledgy E. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. $\frac{1}{4} \frac{S 16}{S 21}$ 1956 Cor. is located on spur, sloping NE. Desc. 60 ft. over broken NW. slope.
46.70	Wash, 20 lks. wide, 1 ft. deep, course N. 30° E.; asc. 130 ft. over E. slope.
54.20	Top of ascent; ridge, bears N. and S.; desc. 230 ft. over ledges facing W.
60.80	Base of slope, bears N. and S.; asc. 100 ft. over SE. slope.

Partion of the Subdivision of T. 32 S., R. 11 E.

Chains									
68.30	S. rim of Raggy Canyon, bears N. 60° E. and S. 60° W.; desc. 320 ft. along NW. slope.								
80.00	Point for the cor. of secs. 16, 17, 20 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.								
	<table border="0"> <tr><td colspan="2">T32S R11E</td></tr> <tr><td>S17</td><td>S16</td></tr> <tr><td>S20</td><td>S21</td></tr> <tr><td colspan="2">1956</td></tr> </table>	T32S R11E		S17	S16	S20	S21	1956	
T32S R11E									
S17	S16								
S20	S21								
1956									
	Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinon.								
	N. 0° 05' E., bet. secs. 16 and 17, Over broken land, through scattered juniper and pinon; desc. 40 ft. over NW. slope.								
1.00	Wash, in bottom of Raggy Canyon, 50 lks. wide, 4 ft. deep, course N. 30° E.; asc. 560 ft. over broken and ledgy SE. slope.								
36.30	N. rim of Raggy Canyon, bears N. 30° E. and S. 30° W.; desc. 30 ft. along E. slope.								
40.00	Point for the ¼ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface, and in a mound of stone, 3 ft. base to top, with brass cap mkd.								
	<table border="0"> <tr><td colspan="2">¼</td></tr> <tr><td>S 17</td><td>S 16</td></tr> <tr><td colspan="2">1956</td></tr> </table>	¼		S 17	S 16	1956			
¼									
S 17	S 16								
1956									
	Desc. 160 ft. along broken E. slope.								
62.00	Wash; 60 lks. wide, 10 ft. deep; course E.; asc. 110 ft. over SE. slope.								
66.40	Spur, slopes E.; desc. 330 ft. over ledgy NE. slope.								
80.00	Point for the cor. of secs. 8, 9, 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface, and in a mound of stone, 3 ft. base to top, with brass cap mkd.								
	<table border="0"> <tr><td colspan="2">T32S R11E</td></tr> <tr><td>S8</td><td>S9</td></tr> <tr><td>S17</td><td>S16</td></tr> <tr><td colspan="2">1956</td></tr> </table>	T32S R11E		S8	S9	S17	S16	1956	
T32S R11E									
S8	S9								
S17	S16								
1956									
	Land, broken. Soil, sand and exposed sandstone. Timber, scattered juniper and pinon.								

Chains	arad30
	01.82
	01.65
18.00	
27.50	
36.00	
40.01	
42.80	
46.90	
58.00	
80.03	
13.00	
20.50	
36.50	
40.00	

From the cor. of secs. 9, 10, 15 and 16,
N. 89° 48' W., bet. secs. 9 and 16.

Over broken land, through scattered timber; desc. 600 ft. over ledgy NW. face of reef.

Wash, in bottom of Raggy Canyon, 30 lks. wide, 3 ft. deep, course N.; continue over rolling land.

Wash, 20 lks. wide, 2 ft. deep, course N. 40° E.; asc. 170 ft. over E. slope.

Spur, slopes N.; desc. 90 ft. over W. slope.

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd,

$\frac{1}{4}$ $\frac{S 9}{S 16}$
1956

Desc, over NW. slope.

Wash, 30 lks. wide, 4 ft. deep, course NE.; asc. 120 ft. over E. slope.

Spur, slopes S.; desc. 80 ft. over SW. slope.

Wash, 30 lks. wide, 4 ft. deep, course S, 80° E.; asc. 320 ft. along breaks of canyon.

The cor. of secs. 8, 9, 16 and 17.

Land, broken.

Soil, sand and rocks.

Timber, scattered juniper and pinon.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 05' E., bet. secs. 32 and 33.

Over rolling land, through dense timber; desc. 90 ft. over N. slope.

Wash, 20 lks. wide, 2 ft. deep, course N. 80° E.

Wash, 20 lks. wide, 7 ft. deep, course SE.; asc. 100 ft. over S. slope.

Spur, slopes NE.; desc. 120 ft. over N. slope.

Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Portion of the Subdivision of T. 32 S., R. 11 E.

Chains

S 32 | S 33

1956

Desc. 90 ft. over NW. slope.

50.70 Wash, 20 lks. wide, 2 ft. deep, course N. 80° E.; asc. 120 ft. over SE. slope.

72.10 S. rim of deep canyon, bears N. 30° E. and S. 30° W.; desc. 360 ft. over broken N. slope.

79.00 Wash, 100 lks. wide, 3 ft. deep, course N. 60° E.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T32S R11E

S29 | S28

S32 | S33

1956

Land, rolling and broken.

Soil, sand and rocks.

Timber, dense juniper and pinon.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, monumented with an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 05' E., bet. secs. 31 and 32.

Over rolling land, through dense timber; desc. 50 ft. over N. slope.

17.00 Wash, 20 lks. wide, 3 ft. deep, course E.; asc. 170 ft. over SE. slope.

36.40 Ridge, bears E. and W.

39.73 Point selected for the witness ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

¼

W C

S 31 | S 32

1956

39.80 S. rim of deep canyon, bears E. and W.; desc. 300 ft. over ledgy N. slope.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32, falls on ledge facing N, where the corner cannot be monumented.

Chains

01.00

45.50 Wash, in bottom of canyon, 30 lks. wide, 4 ft. deep, course E.; asc. 400 ft. over SE. slope.

61.50 Spur, slopes NE.; desc. 340 ft. over N. slope.

76.00 Wash, 20 lks. wide, 3 ft. deep, course N. 70° E.; asc. 20 ft. over SE. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T32S R11E

S30|S29

S31|S32

1956

Land, broken and rolling.
Soil, clay and exposed sandstone.
Timber, dense juniper and pinon.

From the cor. of secs. 28, 29, 32 and 33.

N. 89° 57' W., bet. secs. 29 and 32.

Over broken land, through medium timber; asc. 250 ft. over SE. slope.

20.00 Spur, slopes S'; desc. 80' ft. along S. slope.

35.00 Wash, 30 lks. wide, 3 ft. deep, course S. 80° E. irregularly; continue along bottom of wash.

40.03 Point for the ¼ sec. cor. of secs. 29 and 32, falls in wash where the corner cannot be monumented.

40.30 Leave wash, course E. from NW.

40.47 Point selected for the witness ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

¼ S 29
S 32 WC
1956

Asc. 160 ft. along N. slope.

56.90 Same wash, course N. 80° E.; asc. 220 ft. along S. slope.

80.06 The cor. of secs. 29, 30, 31 and 32.

Land, broken.
Soil, sandy clay and exposed sandstone.
Timber, medium juniper and pinon.

Township 32 South, Range 11 East

Chains

General Description

Township 32 South, Range 11 East is rough mountain country located on the lower east slopes of the Henry Mountains. It is cut by deep canyons in the west portion, leveling off to rolling land in the east portion of the township. The soil is sandy clay and exposed sandstone.

The township is drained by Copper Creek, North Wash, Trail Canyon, Slate Creek, and Coyote Creek, all draining eastward.

The general elevation of the township is between 5200 and 8200 feet above sea level.

A bladed dirt road enters the township near the southeast corner of section 24 and bears northwest to section 13, thence northeast to section 1 where it branches, leaving the township on the north and east boundaries of section 1. A branch road leaves this road in section 11 and bears northwest to an active mine in section 3, thence northeast across section 2 to junction in section 1.

The township is covered with a heavy growth of juniper and pinon in the west, thinning to scattered juniper in the east.

The land was being used for sheep grazing at the time of this survey.

No permanent sources of water were found at the time of survey.

CERTIFICATE OF CADASTRAL ENGINEER

We, Craig P. Sylvester, Cartographic Survey Aid

and Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor that

pursuance of special instructions bearing date of the 17th day of March, 1957

we have surveyed a portion of the subdivisional lines in T. 32 S., R. 11 E.

of the Salt Lake Meridian, in the State of Utah, which

represented in the foregoing field notes as having been executed by us and under our direction; and that

said survey has been made in strict conformity with said instructions, the Manual of Instructions for

Survey of the Public Lands of the United States, and in the specific manner described in the foregoing

field notes.

February 11, 1957

Salt Lake City, Utah

Craig P. Sylvester, Cartographic Survey Aid
Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., 1957

The foregoing field notes of the survey of

executed by

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

is a true copy of the original field notes.

Cadastral Engineering Staff Officer

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, _____, HEREBY CERTIFY upon honor that,
pursuance of special instructions bearing date of the 17th day of March, 1957,

I have supervised the survey of a portion of the subdivisional lines in T. 32 S.,
R. 11 E.

of the Salt Lake Meridian, in the State of Utah, which is
represented in the foregoing field notes as having been executed under my direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

February 11, 1957
Salt Lake City, Utah

[Signature]
Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of a portion of the subdivisional lines in T. 32
S., R. 11 E.

executed by Craig P. Sylvester and Donald A. Cannon, under the supervision of Vern E. Lane,
having been critically examined and found correct, are hereby approved.

[Signature]
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____,
is a true copy of the original field notes.

Cadastral Engineering Staff Officer

ORIGINAL

DEPT. OF THE INTERIOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 29 1949

Original

FIELD NOTES

of the

Subdivision of Sections 5, 8 and 33

in

Township 32 South, Range 12 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Robert C. Yundt, Cadastral Engineer

Under special instructions dated June 30, 19 49, which provided
for the surveys included under Group No. 372-Utah, approved July 18, 1949
and assignment instructions dated August 8, 19 49

Survey commenced August 19, 19 49

Survey completed August 31, 19 49

INDEX DIAGRAM

Township 32 South, Range 12 East

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31	32	33	2	34	35
		3			

Township 32 South, Range 12 East

Chains

The original survey of Township 32 south, range 12 east of the Salt Lake Meridian, Utah was made by Elliot Bird and Elmer L. Smith in 1922, as shown upon a township plat approved April 13, 1923. The following notes are those of a subdivision-of-section survey of sections 5, 8, and 33. The survey was made at the request of the Division of Range Management of the Bureau of Land Management.

The survey was executed with Buff and Buff solar transit number 1491 constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the survey. It was tested and checked frequently during the course of the field work. The measurements were made with Lallie steel ribbon tapes eight chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. They were tested by comparison with a Lufkin standard steel tape, one chain in length and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes.

The directions of the lines of the survey were determined by the solar transit method.

The geographic position of the southeast corner of the township, determined from the data accompanying the special instructions, is as follows: Latitude 37° 59' N.; Longitude 110° 35' W. The mean magnetic declination is 16° E.

 Subdivision of Section 33

Beginning at the $\frac{1}{4}$ section corner of sections 4 and 33:

N. 0° 09' E., along the north-south center line of section 33.

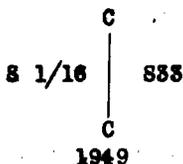
Over gently rolling land, through scant undergrowth, descend along a NW. slope.

8.50 Wash, drains N. 60° E.

14.40 Field fence, bears N. 70° E., and S. 70° W.

20.00 The center south $\frac{1}{16}$ section corner of section 33:

Set an iron post, 3 ft. long and 1 in in diameter, 30 ins. in the ground, with brass cap marked:



Deposit broken glass at the base of the iron post.

32.50 Enter cultivated land, edge bears NE. and SW.

40.00 The center $\frac{1}{4}$ section corner of section 33 at the intersection of the center lines:

Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock and in a mound of stone, with brass cap mkd:

$C\frac{1}{4}$

S33

1949

Subdivision of Section 33, Township 32 South, Range 12 East

Chains

51.00 Leave cultivated land, edge bears E. and SW., enter scant undergrowth

66.50 Wash, drains NE.

77.50 Wash, drains NE.

80.00 The $\frac{1}{4}$ section corner of sections 28 and 33, marked by an iron post, 1 in. in diameter, conforming to the record.

Land, nearly level, north exposure.

Soil, sandy to gravelly clay loam.

Timber, none.

Undergrowth, shadscale, weeds, and grass.

Beginning at the $\frac{1}{4}$ section corner of sections 32 and 33:

S. 89° 59' E., along the east-west center line of section 33.

Over nearly level land, in cultivated area.

20.00 The center west $\frac{1}{16}$ section corner of section 33:

Set an iron post, 3 ft. long and 1 in. in diameter, 26 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

W $\frac{1}{16}$

C ——— C

S 33

1949

Deposit broken glass at the base of the post.

The northern edge of the cultivated land bears 6.20 chs. north.

40.00 The center $\frac{1}{4}$ section corner of section 33.

48.7. Leave cultivated land, edge bears N. and S., enter scant undergrowth

74.00 Small wash, drains NE.

75.80 Fence, bears N. 5° E. and S. 5° W.

80.00 The $\frac{1}{4}$ section corner of sections 33 and 34, marked by an iron post, 1 in. in diameter, conforming to the record.

Land, gently rolling desert, NE. exposure, drainage, E.

Soil, sandy to gravelly clay loam, 2nd rate.

Timber, none.

Undergrowth, shadscale, weeds, and grass.

At the point for the west $\frac{1}{16}$ section corner of sections 4 and 33 on the south boundary of the township, at midpoint between the corner of sections 4, 5, 32 and 33 and the $\frac{1}{4}$ section corner of sections 4 and 33.

Set an iron post, 3 ft. long, 1 in. in diameter, 23 ins. in the ground, and in a mound of stone, with brass cap marked:

W $\frac{1}{16}$

S 33

S 4

1949

Subdivision of Section 33, Township 32 South, Range 12 East

Chains

Deposit broken glass at the base of the post.

N. 0° 09' E., along the north-south center line of the SW. quarter of section 33:

Over gently rolling land, through a scant undergrowth, descend along a NW. slope.

3.30 Small draw, drains N. 60° E.

10.00 Low spur, projects N. 60° E.

11.70 Fence, bears N. 80° E., and S. 80° W.

16.50 Old farm road at the south edge of cultivated land, bears NE. and SW.

20.00 The SW. 1/16 section corner of section 33 at the intersection of the north-south and east-west center lines of the SW. quarter.

Set an iron post, 3 ft. long and 1 in. in diameter, 28 ins. in the ground, and in a mound of stone, with brass cap marked:

SW 1/16

S 33

1949

Deposit broken glass at the base of the post.

40.00 The center west 1/16 section corner of section 33.

Land, nearly level desert, drainage, E.

Soil, sandy to gravelly clay loam.

Timber, none.

Undergrowth, shadscale, weeds, and grass.

At the point for the S 1/16 section corner of sections 32 and 33, at midpoint between the corner of sections 4, 5, 32 and 33 on the south township boundary and the 1/4 section corner of sections 32 and 33.

Set an iron post, 3 ft. long, 1 in. in diameter, 30 ins. in the ground, with brass cap marked:

S 1/16

S 32 | S 33

1949

Deposit broken glass at the base of the post. Thence

East, along the east-west center line of the SW quarter of section 33.

Over nearly level land, in cultivated area.

20.00 The SW 1/16 section corner of section 33.

24.00 Leave cultivated land, edge bears NE. and SW., enter scant undergrowth.

40.00 The center south 1/16 section corner of section 33.

Land, nearly level desert in west gently rolling in the east.

Soil, sandy to gravelly clay loam.

Timber, none.

Undergrowth, shadscale, weeds, and grass.

Chains

Subdivision of Section 8

Beginning at the $\frac{1}{4}$ section corner of sections 8 and 17, marked by an iron post, 1 in. in diameter, conforming to the record:

N. $0^{\circ} 09' E.$, along the north-south center line of section 8.

Over rolling land, through scant undergrowth.

38.20 Road, bears E. and W., Hite, Utah to Hanksville, Utah.

39.05 Fence, bears E. and W. 15.40 chains to corner and thence N.

40.00 The center $\frac{1}{4}$ section corner of section 8 at the intersection of the center lines of the section:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, with brass cap marked:

C $\frac{1}{4}$

8 | 8

1949

Deposit broken glass around the iron post.

80.00 The $\frac{1}{4}$ section corner of sections 5 and 8, marked by an iron post, 1 in. in diameter, conforming to the record.

Land, gently rolling bench.

Soil, sandy to gravelly clay loam.

Timber, none.

Undergrowth, shadscale, weeds, and grass.

The $\frac{1}{4}$ section corner of sections 8 and 9 is marked by an iron post, 1 in. in diameter, conforming to the record and from which the corner of a fence bearing N. and W., bears 26.50 chains S. $86^{\circ} 15' E.$

Thence, from the $\frac{1}{4}$ section corner:

N. $89^{\circ} 58' W.$ along the east-west center line of section 8.

Over gently rolling land, through a scant undergrowth:

39.95 The center $\frac{1}{4}$ section corner of section 8.

55.37 Fence, bears N. and S. 86 lks. to corner of fences bearing N. and E.

62.00 Road, bears S. $85^{\circ} E.$ and N. $85^{\circ} W.$, Hite, Utah to Hanksville, Utah.

79.90 The $\frac{1}{4}$ section corner of sections 7 and 8, marked by an iron post, 1 in. in diameter, conforming to the record. From the $\frac{1}{4}$ section corner the sign post at the junction of the road to Hite Utah with the Hanksville-Trachyte Ranch road bears 8.92 chains N. $76^{\circ} 51' W.$

Land, rolling bench.

Soil, sandy to gravelly clay loam.

Timber, none.

Undergrowth, shadscale, weeds, and grass.

Chains

Subdivision of Section 5

Beginning at the $\frac{1}{4}$ section corner of sections 5 and 8.N. $0^{\circ}02'$ E. along the north-south center line of section 5.

Over rolling bench, through a scant undergrowth.

13.40 North edge of bench, bears S. 80° W. and S. 80° E., descend along a N. slope.

29.00 Wash, drains NE.

34.60 South bank of North Wash, bears SE. and NW., thence across bottom of wash over small seeping stream of good water.

38.10 North bank of wash, bears NW. and E., ascend 20 ft. along a SE. slope.

40.00 The center $\frac{1}{4}$ section corner of section 5 at the intersection of the center lines of the section:

Set an iron post, 3 ft. long and 1 in. in diameter, 28 ins. in the ground, and in a mound of stone, with brass cap marked:

C $\frac{1}{4}$
 +
 S 5
 1949

Deposit broken glass at the base of the post.

The southwest corner of the old Andrew Ecker log cabin bears 2.57 chains N. $84^{\circ}07'$ E.

Ascend 65 ft. along a steep SE. slope.

44.20 Spur, projects S. 60° E. about 3 chains to end. Descend 55 ft. along a NE. slope.

46.60 Draw, drains SE., ascend 60 ft. along a SW. slope.

49.00 South edge of gravel bench sloping to the east, edge bears NW. and SE.

73.20 North edge of bench, bears E. and W., descend 100 ft. along a N. slope.

81.23 The $\frac{1}{4}$ section corner of sections 5 and 32, marked by an iron post, 1 in. in diameter, conforming to the record.

Land, rolling benches.

Soil, sandy to gravelly clay loam.

Timber, none.

Undergrowth, shadscale, weeds, and grass.

Beginning at the true point for the $\frac{1}{4}$ section corner of sections 5 and 4 on the left bank of North Wash, and which is located 1.00 ch. S. $0^{\circ}04'$ W. of the witness $\frac{1}{4}$ section corner marked by an iron post, 1 in. in diameter, conforming to the record:

S. $89^{\circ}58'$ W. along the east-west center line of section 5.

Over rolling land, through a medium dense undergrowth: across the bottom of the wash.

6.30 Right bank of wash, bears N. 60° W. and S. 70° E.

19.10 Old fence line bears NW. and SE.

Chains

- 22.10 Right bank of North Wash, bears N. 60° E. and S. 60° W.
- 26.10 Left bank of wash, bears N. 70° E. and S. 70° W.
- 39.98 The center $\frac{1}{4}$ section corner of section 5. Ascend 75 ft. along a SE slope to bench.
- 45.90 Left bank of North Wash, bears S. 60° E. and S. 60° W.
- 68.90 Top of gravel bench, bears N. 70° E. and S. 70° W.
- 79.96 The $\frac{1}{4}$ section corner of sections 5 and 6, marked by an iron post, 1 in. in diameter, conforming to the record.

Land, rolling, along the edges of North Wash.
 Soil, gravelly to rocky clay loam.
 Timber, none.
 Undergrowth, shadscale, weeds, and grass.

General Description

The land covered by the survey is mostly a rolling desert and usable for grazing only. In section 33, in addition to the patented land in the $\frac{1}{4}$ SW $\frac{1}{4}$, there is about 75 acres now being cultivated and which is located immediately to the east and north of the patented area. The timber consists of a few, widely scattered juniper, and the undergrowth shadscale, weeds and grass. In North Wash is a small stream of good water, and a ditch has been run from Trachyte Creek to irrigate the lands in sections 32 and 33. There are fenced areas in sections 4, 5, 8, and 9 and in sections 28 and 33. No one was residing on the land at the time of the survey.

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 30th day of June 1949,

I have surveyed retraced portions of the subdivisional lines and surveyed parts of the subdivision of sections 5, 8, and 33 in Township 32 South, Range 12 East-

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
February 17, 1950

Robert C. Yundt (handwritten signature)

Robert C. Yundt

Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAR 11 1952, 19

The foregoing field notes of the survey of retracement of portions of the subdivisional lines and the survey of parts of the subdivision of sections 5, 8, and 33 in Township 32 South, Range 12 East, Salt Lake Meridian, Utah

executed by Robert C. Yundt, Cadastral Engineer

having been critically examined and found correct, are hereby approved.

Garrett H. Armstrong (handwritten signature)

Chief, Branch of Engineering and Construction
Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in is a true copy of the original field notes.

Chief, Branch of Engineering and Construction

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF

THE SOUTH, EAST, AND NORTH BOUNDARIES

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 32 SOUTH, RANGE 14 EAST

Of the SALT LAKE Meridian,

In the State of UTAH

EXECUTED BY

Vern E. Lane Cadastral Surveyor (Chief of Party)

Craig P. Sylvester Cartographic Survey Aid

Donald A. Cannon Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided for the surveys included under Group No. 400, approved April 4, 1955

and assignment instructions dated April 23, 1956

Survey commenced June 5, 1956

Survey completed July 27, 1956

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31 25 5	32 21 4	33 15 3	34 3	35 14 2	36 6 1

16-86770-1

Donald A. Cannon . . . _____

Craig P. Sylvester . . . _____

24

T. 32 S., R. 14 East

Chains

The west boundary was surveyed concurrently with the survey of this township and is found in the field notes of T. 32 S., R. 13 E.

The following field notes are those of the south, east, and north boundaries and a portion of the subdivision in T. 32 S., R. 14 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with Buff and Buff solar transit No. 26066 and Gurley solar transit No. 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work and were tested and checked frequently during the progress of the survey.

The direction of all lines herein reported, were determined by deflecting from meridians established by observations on the sun and Polaris, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true line method, but for simplification of the record, the random lines are omitted from these field notes.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain, and thereafter at intervals of every ten links. The tapes were tested by comparison with a standard steel tape, one chain in length and found to be correct. The measurements were made on the slope, the vertical angles of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses and triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude $37^{\circ} 58' 20.7''$ N., longitude $110^{\circ} 18' 39.3''$ W., as computed from U.S.G.S. triangulation station "Orange", located in section 32, T. 32 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° East.

South Boundary, T. 32 S., R. 14 E.

At a point 478.11 chs. east of the established cor. of Ts. 32 and 33 S., R. 13 E. and Ts. 32 and $32\frac{1}{2}$ S., R. 14 E., providing for convergency north from the 7th Standard Parallel South; point for the cor. of Ts. 32 S., Rs. 14 and 15 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap marked.

South Boundary, T. 32 S., R. 14 E.

Chains

T32S
R14E | R15E
S36 | S31
1956

West on the S. bdy. of sec. 36.

Over rolling bench, through thinly scattered scrub timber; asc. 40 ft. over SE. slope.

3.00 Spur, slopes S. 80° W.; desc. 230 ft. over rolling W. slope.

32.00 Wash, 30 lks. wide, 1 ft. deep, course NW.; asc. 20 ft. over rolling NE. slope.

37.50 Spur, slopes NW. about 5 chs. to end; desc. 30 ft. over W. slope.

40.00 Point for the 1/4 sec. cor. of sec. 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap marked

S36
1956

Desc. 10 ft. over W. slope.

42.30 Same wash, course S. 10° E.; asc. 30 ft. over SE. slope.

53.80 Spur, slopes SW. about 6 chs. to end; desc. 100 ft.

62.10 Wash, 30 lks. wide, 3 ft. deep, course S. 10° W.; asc. 50 ft. over SE. slope.

80.00 Point for the cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked

T32S R14E
S35 | S36
1956

Land, rolling.
Soil, shallow sand and exposed shale.
Timber, thinly scattered scrub juniper.

West, on the S. bdy. of sec. 35.

Over rolling bench, through thinly scattered scrub juniper; asc. 20 ft. over SE. slope.

6.80 Ridge, bears N. 20° E. and S. 20° W.; desc. 250 ft. over rolling W. slope.

40.00 Point for the 1/4 sec. cor. of sec. 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 1/2 ft. base to top, with brass cap marked

South Boundary, T. 32 S., R. 14 E.

Chains

... .. S34

... .. 1956

Desc. 10 ft. over NW. slope.

43.20 Wash, 80 lks. wide, 2 ft. deep, course SW.; asc. 40 ft. over rolling SE. slope.

77.40 Spur, slopes SW.; desc. 10 ft. over NW. slope.

80.00 Point for the cor. of secs. 34 and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R14E
S34 | S35

1956

Land, rolling shale.
Soil, shallow sand and exposed shale.
Timber, thinly scattered scrub juniper.

West, on S. bdy. of sec. 34.

Over rolling bench; desc. 90 ft. over rolling W. slope.

14.90 Wash, 30 lks. wide, 4 ft. deep, course SW.; asc. 30 ft. along S. slope.

40.00 Point for the 1/4 sec. cor. of sec. 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked

1/4 S34

1956

No suitable accessories available.

Asc. 60 ft. over SE. slope.

56.40 Spur, slopes S.; desc. 180 ft. over SW. slope.

80.00 Point for the cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R14E
S33 | S34

1956

Land, rolling
Soil, shallow sand and exposed shale.
No timber.

West, on the S. bdy. of sec. 33.

South Boundary, T. 22 S., R. 10 E., S. 32

Chains	
	Over rolling bench; asc. 30 ft. over SE. slope.
17.10	Ridge, bears N. 70° E. and S. 70° W.; asc. 20 ft. along N. side of knoll on ridge, on NE. slope.
29.10	Top of ascent, on N. edge of knoll, slopes N.; desc. 120 ft. over NW slope.
38.50	Drain, course N.; asc. 20 ft. over NE. slope.
40.00	Point for the 1/4 sec. cor. of sec. 33. Set an iron post, 30 ins. long, 3/4 ins. diam., over (X) on solid rock and in a mound of stones, 4 ft. base, to stop with brass cap marked 1/4 S33 1956 Asc. 70 ft. over ledges on NE. slope.
44.90	Spur, slopes NW.; desc. 270 ft. over rolling W. slope.
80.00	Point for the cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 2 1/2 ft. base, to top, with brass cap marked T32S R14E S32/S33 1956
	Land, rolling. Soil, shallow sand and exposed shale. No timber.
	West, on the S. bdy. of sec. 32. Over broken breaks of the Dirty Devil River; desc. 20 ft. over NW. slope. Rim of the Dirty Devil River, a ledge about 100 ft. high, bears N. and S. irregularly; desc. 390 ft. over ledge and abrupt talus W. slope. Bladed road, North Wash to Sunset Pass, bears NW. and S. 10° W.; desc. 40 ft. over ledges on W. slope. Rim, a ledge about 20 ft. high, desc. 180 ft. over ledges on W. slope into the inner gorge of the Dirty Devil River. The Dirty Devil River, 2 chs. wide, dry at low stage, course S. 10° E. from NW.; asc. 90 ft. over ledges on NE. slope. Spur, slopes N. about 1/2 chs. to end; desc. 90 ft. over ledges on NW. slope. Recross the Dirty Devil River, course N. 80° E. from the S.; asc. 160 ft. over ledges on E. slope to rim. Point for the 1/4 sec. cor. of sec. 32 falls on E. face of ledge, where the cor. cannot be monumented.

South Boundary, T. 32 S., R. 14 E.

Chains

- 41.60 Rim of ledge about 150 ft. high, bears NW. and S. 10° E.
- 41.74 Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 32.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., Over (X) on sandstone surface and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top, with brass cap marked
- $\frac{1}{4}$ S32 W
C
1956
- Thence over nearly level top of spur.
- 44.00 Flat Spur, projects S. 10° E.; desc. 60 ft. over W. slope.
- 51.40 Rim, a ledge about 100 ft. high, bears N. 10° W. and SE. desc. 100 ft. over ledge into the inner gorge of the Dirty Devil River, on SW. slope.
- 68.20 Recross Dirty Devil River, course SE.; asc. 80 ft. over high ledges facing NE.
- 70.00 Bladed road, North Wash to Sunset Pass, bears N. and SE.; asc. 550 ft. over high ledges on NE. slope.
- 80.00 Point for the cor. of secs. 31 and 32 falls on high E. face of ledge where the cor. cannot be monumented.
- Land, rough broken breaks of the Dirty Devil River.
Soil, shallow sand and exposed shale and sandstone.
No timber.
-
- West, on the S. bdy. of sec. 31.
- Over E. face of ledge on the W. breaks of the Dirty Devil River.
- 0.10 Rim, a ledge about 200 ft. high, bears N. and S. irregularly.
- 0.16 Point selected for the witness cor. of secs. 31 and 32.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top, with brass cap marked
- T32S R14E
S31 | S32 W
C
1956
- Asc. 90 ft. over E. slope of rolling bench.
- 5.80 Bladed road, bears N and SW.; asc. 10 ft. over E. slope.
- 6.50 Spur, slopes SE.; desc. 50 ft. over SW. slope.
- 14.60 Recross road, bears N. 80° W. and S. 80° E.; desc. 50 ft. over SW. slope.
- 21.40 Wash, course SE. asc. 30 ft. over NE. slope.
- 23.70 Recross road, bears N and S. 5 ths. to junction with road from W.; asc. 230 ft. abruptly over talus E. slope.

397

South Boundary, T. 32 S., R. 14 E.

Chains

- 36.30 Bladed road, bears N and S. about 8 chs. to junction with road from E.; asc. 190 ft. abruptly over talus E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 31.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap marked
- $\frac{1}{4}$ S31
1956
- Asc. 1000 ft. over abrupt talus E. slope and cliff facing E.
- 55.30 Rim, a cliff about 800 ft. high, bears N. and S., thence over level top of ridge.
- 59.10 Sandstone dome extends N. and S.; desc. 160 ft. over sandstone formation.
- 72.10 Ledge about 80 ft. high, bears NE. and S.; desc. 280 ft. over ledge and steep broken NW. slope.
- 78.11 The cor. of Ts. 32 and 33 S., R. 13 E. and Ts. 32 and 32 $\frac{1}{2}$ S. R. 14 E. monumented by an iron post, 1 in. diam., firmly set, marked, and witnessed as described in the official record.

Land, rough and broken
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

East Boundary, T. 32 S., R. 14 E.

From the cor. of Ts. 32 S., Rs. 14 and 15 E.

North, bet. secs. 31 and 36.

Over rolling bench, through thinly scattered scrub timber; asc. 50 ft. over SE. slope.

- 2.20 Spur, slopes S. 70° W.; desc. 90 ft. over NW. slope.
- 7.60 Wash, 10 lks. wide, 2 ft. deep, course S. 80° W.; asc. 100 ft. over SE. slope.
- 11.60 Spur, slopes S. 60° W.; desc. 30 ft. over NW. slope.
- 15.80 Drain, course S. 70° W. asc. 30 ft. along SW. slope.
- 18.10 Spur, slopes W.; desc. 90 ft. along NW. slope.
- 27.50 Wash, 10 lks. wide, 2 ft. deep, course W.; asc. 40 ft. over S. slope
- 29.80 Spur, slopes W.; desc. 60 ft. along NW. slope.
- 37.40 Wash, 15 lks. wide, 2 ft. deep, course SW.; asc. 10 ft. over S. slope
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 36 ins. long, 1 in. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top, with brass cap marked

East Boundary, T. 32 S., R. 14 E.

Chains

S36|S31
1956

Asc. 60 ft. over S. slope.

49.10 Spar, slopes SW.; desc. 40 ft. over NW. slope.

54.40 Wash, 10 lks. wide, 2 ft. deep, course S. 70° W.; asc. 20 ft. over S. slope.

56.90 Spury, slopes S. 70° W.; desc. 40 ft. over NW. slope.

63.10 Wash, 30 lks. wide, 20 ft. deep, course SW.; asc. 90 ft. over S. slope.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S
R14E R15E
S25|S30
S36|S31
1956

Cor. is located on W. edge of small drain.

Land, rolling
Soil, shallow sand and shale outcroppings.
Timber, thinly scattered scrub juniper.

North, bet. secs. 25 and 30.

Over rolling land, through thinly scattered juniper; asc. 250 ft. over S. slope.

24.00 Base of abrupt ascent, bears N. 70° E. and S. 70° W.; asc. 1000 ft. over talus S. slope and high ledges facing S., to top of rim.

40.00 True point for the ¼ sec. cor. of secs. 25 and 30 falls on inaccessible ledgy face of South Block, where the cor. cannot be monumented.

41.60 S. rim of South Block, bears N. 70° E. and S. 70° W.

41.88 Point selected for the witness ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 1 in. diam., drilled 10 ins. in sandstone surface and in a mound of stone, 2½ ft. base, to top, with brass cap marked

S25|S30
W C
1956

Asc. 160 ft. over rolling S. slope.

60.10 Top of ascent on South Block, slopes W.; desc. 20 ft. over slight NW. slope.

80.00 Point for the cor. of secs. 19, 24, 25, and 30.

East Boundary, T. 32 S., R. 14 E.

Chains

Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground, with brass cap marked

T32S
R14E R15E
S24 | S19
S25 | S30
1956

Raise a mound of stone, 2 ft. base, 1 ft. high, W. of the cor.

Land, rough and broken breaks and top of South Block.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

North, bet. secs. 19 and 24.

Over rolling top of South Block, through scattered timber; asc. 10 ft.

17.80 N. rim of South Block, bears N. 80° E. and S. 80° W.; desc. 1000 ft. over ledges on N face of the N. rim of South Block.

40.00 Point for the 1/4 sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

1/4
S24 | S19
1956

Desc. 410 ft. over rolling NW. slope.

79.20 Drain, course N. 80° W.

80.00 Point for the cor. of secs. 13, 18, 19, and 24.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S
R14E R15E
S13 | S18
S24 | S19
1956

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

North, bet. secs. 13 and 18.

Over rolling land, thorough thinly scattered timber; desc. 240 ft. over rolling NW. slope.

40.00 Point for the 1/4 sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap marked

East Boundary, T. 32 S., R. 14 E.

Chains

S13|S18

1956

Desc. 50 ft. over NE. slope.

54.40

Wash, 30 lks. wide, 2 ft. deep, course NW.; asc. 30 ft. over SW. slope.

58.50

Spur, slopes N. 30° W.; desc. 70 ft. over NE. slope.

65.00

Wash, in bottom of Fiddler Cove Canyon, 150 lks. wide, 15 ft. deep, course N. 80° W.; asc. 180 ft. over SE. slope.

77.30

Spur, slopes SW.; desc. 30 ft. over NW. slope.

80.00

Point for the cor. of secs. 7, 12, 13, and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked.

T32S

R14E R15E

S12|S 7

S13|S18

1956

Land, rolling.

Soil, shallow sand and exposed shale.

Timber, thinly scattered scrub juniper.

North, bet. secs. 7 and 12.

Over rolling land, through scattered scrub timber; asc. 40 ft. over rolling SW. slope.

21.40

Spur, slopes S. 70° W.; desc. 50 ft. over NW. slope.

40.00

Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap marked

S12|S 7

1956

Desc. 40 ft. over N. slope.

45.00

Wash, drains SW.; asc. over SW. slope.

80.00

Point for the cor. of secs. 1, 6, 7, and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S

R14E R15E

S 1|S 6

S12|S 7

1956

Land, rolling

Soil, shallow sand and exposed shale.

Timber, thinly scattered scrub juniper.

East Boundary, T. 32 S., R. 14 E.

Chains

North, bet. secs. 1 and 6.

Over rough and broken land, through thinly scattered scrub timber; asc. 300 ft. over precipitous SE. slope and high ledges.

15.50

Top of ascent, on E. edge of high butte and the drainage divide bet. South Hatch Canyon and Fiddlers Cove Canyon; slopes sharply E.; desc. 670 ft. over sandstone ledges and talus NE. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

S 1 | S 6

1956

Desc. 280 ft. over rolling NE. slope.

80.00

Point for the cor. of Ts. 31 and 32 S., Rs. 14 and 15 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T31S

R14E R15E

S36 | S31

S 1 | S 2

T92S

1956

Land, rolling to rough and broken.

Soil, shallow sand and exposed shale and sandstone.

Timber, thinly scattered juniper.

North Boundary, T. 32 S., R. 14 E.

From the cor. of Ts. 31 and 32 S., R. 14 and 15 E.

N. $89^{\circ} 58'$ W., bet. secs. 1 and 36.

Over rolling land, through thinly scattered timber; asc. 50 ft. over low spurs and minor drains putting northerly.

20.70

Spur, slopes N. 10° W.; desc. 90 ft. along rolling W. slope.

34.30

Wash, 10 lks. wide, 1 ft. deep, course N.; asc. 20 ft. over NE. slope

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked $\frac{1}{4}$ S36
S 1
1956

Asc. 110 ft. over rolling NE. slope.

64.00

North edge of knoll on a ridge bearing NW. and SE.; the divide bet. South Hatch Canyon and Fiddlers Cove Canyon; desc. 170 ft. over rolling SW. slope.

North Boundary, T. 32 S., R. 14 E.

Chains

79.50

Drain, course SW.; asc. 20 ft. over SE. slope.

80.00

Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, with brass cap marked

T31S R14E

S35 | S36

S 2 | S 1

T32S

1956

Land, rolling.

Soil, shallow sand and exposed sandstone.

Timber, thinly scattered scrub juniper.

N. 89° 58' W., bet. secs. 2 and 35.

Over rolling benchland, through thinly scattered timber; asc. 30 ft. along rolling S. slope.

40.00

Point for the cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked

S35

S 2

1956

Asc. 900 ft. over steep talus SE. slope and high cliff facing SE.

68.00

Top of ascent on S. point of Fiddlers Butte, slopes sharply SW.; desc. 500 ft. over high cliff and abrupt talus SW. slope.

80.00

Point for the cor. of secs. 2, 3, 34, and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4 1/2 ft. base to top, with brass cap marked

T31S R14E

S34 | S35

S 3 | S 2

T32S

1956

Land, rolling to broken slopes of Fiddlers Butte.

Soil, shallow sand and exposed shale and sandstone.

Timber, thinly scattered scrub juniper.

N. 89° 58' W., bet. secs. 3 and 34.

Over rolling land, through thinly scattered scrub timber; desc. 300 ft. over abrupt talus W. slope.

14.50

Base of steep descent, bears N. 10° W. and S. 10° E.;

16.00

Wash, drains SW.; desc. 60 ft. over rolling W. slope.

<p>Chains 40.00</p>	<p>Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 4$\frac{1}{2}$ ft. base to top, with brass cap marked $\frac{1}{2}$ S 3 1956</p>	<p>02.97</p>
<p>41.80</p>	<p>Spur, slopes S. 68° W.; desc. 200 ft. over rolling W. slope.</p>	
<p>67.30</p>	<p>Wash, 20 lks. wide, 10 ft. deep, course S. 10° W.; asc. 20 ft. over SE. slope.</p>	
<p>75.20</p>	<p>Small spur, slopes SW.; desc. 10 ft. over slight NW. slope.</p>	
<p>79.50</p>	<p>Drain, course S.</p>	
<p>80.00</p>	<p>Point for the cor. of secs. 3, 4, 33, and 34. Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap marked T31S R14E 833 S34 S 4 S 3 T32S 1956 Land, rolling. Soil, shallow sand and exposed shale. Timber, very thinly scattered juniper.</p>	<p>00.00</p>
<p>18.70</p>	<p>N. 89° 58' W., bet. secs. 4 and 33. Over rolling land; asc. 30 ft. along rolling S. slope.</p>	<p>00.97</p>
<p>40.00</p>	<p>Point for the $\frac{1}{2}$ sec. cor. of secs. 4 and 33. Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., over (X) on sandstone surface, and in a mound of stone, 3$\frac{1}{2}$ ft. base to top, with brass cap marked $\frac{1}{2}$ S 4 833 1956</p>	<p>00.97</p>
<p>41.60</p>	<p>Desc. 70 ft. over W. slope. E. rim of Hatch Canyon, bears N. and S. irregularly; desc. 400 ft. over high sandstone ledges facing W.</p>	<p>00.97</p>
<p>47.60</p>	<p>Wash, in bottom of Hatch Canyon, 40 lks. wide, 3 ft. deep, course S. to SW.</p>	<p>00.97</p>
<p>60.50</p>	<p>Same wash, course N. 65° E.</p>	<p>00.97</p>
<p>70.50</p>	<p>Same wash, course S. 55° E. from N. 15° W.; asc. 400 ft. over high ledges facing E.</p>	<p>00.97</p>

North Boundary, T. 32 S., R. 14 E.

Chains

74.70 W. rim of Hatch Canyon, bears N. and S. irregularly; asc. 40 ft. over E. slope.

80.00 Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T31S R14E

S32|S33

S 5|S 4

T32S

1956

Land, rolling and broken breaks of Hatch Canyon.
Soil, shallow sand and exposed shale and sandstone.
Timber, None.

N. $89^{\circ} 58'$ W., bet. secs. 5 and 32.

Over rolling bench; asc. 90 ft. along rolling E. slope.

10.00 Spur, slopes SE.; desc. 40 ft. over W. slope.

11.50 E. rim of the Dirty Devil River, bears NW. and S irregularly; desc. 600 ft. over high ledges on broken SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

$\frac{1}{4}$ $\frac{S32}{S 5}$
1956

Desc. 300 ft. over broken ledges on S. slope.

69.50 Dirty Devil River, 150 lks. wide, 4 ft. banks, course S. 10° W.; asc. 300 ft. over steep SE. slope.

79.91 Point selected for the witness cor. of secs. 5, 6, 31, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

T31S R14E

W S31|S32

C S 6|S 5

T32S

1956

80.00 Point for the cor. of secs. 5, 6, 31, and 32 falls on a small ledge facing SE., where the cor. cannot be monumented.

Land, broken breaks of the Dirty Devil River.
Soil, sand and sandstone outcroppings.
No timber.

N. $89^{\circ} 58'$ W., bet. secs. 6 and 31.

North Boundary, T. 32 S., R. 14 E.

Chains

- Over broken W. breaks of the Dirty Devil River, asc. 240 ft. over ledges on broken E. slope.
- 8.00 Point extends NE.; asc. 240 ft. over ledgy N. slope.
- 25.10 Rim, bears N. 80° W. and S. 80° E.; asc. 30 ft. over bench on E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
- $$\frac{1}{4} \frac{S31}{S6}$$
- 1956
- Asc. 10 ft. over rolling benchland, on E. slope.
- 45.30 Base of abrupt ascent, bears N. 10° E. and S. 70° W.; asc. 650 ft. over high ledges on SE. slope.
- 61.70 West rim of the Dirty Devil River, a cliff about 250 ft. high, bears N. 80° E. and S. 70° W.; asc. 270 ft. over ledges on E. slope.
- 76.78 The cor. of Ts. 31 and 32 S., Rs. 13 and 14 E.; monumented by an iron post, $2\frac{1}{2}$ ins. diam., conforming to the field notes of T. 32 S., R. 13 E.
- Land, rough broken breaks of the Dirty Devil River.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered juniper.

Portion of the Subdivision, T. 32 S., R. 14 E.

From the cor. of secs. 35 and 36., on the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling benchland, through thinly scattered scrub juniper, asc. 100 ft. over SE. slope.

23.40 Ridge, bears N. 20° E. and S. 20° W.; desc. 110 ft. over NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

$$\frac{1}{4} \frac{S35}{S36}$$

1956

Desc. 10 ft. over NW. slope.

40.70 Drain, course S. 80° W.; asc. 330 ft. over SW. slope.

80.00 Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3-ft. base, to top, with brass cap marked

Portion of the Subdivision, T. 32 S., R. 14 E.

Chains

T32S R14E

S26|S25

S35|S36

1956

Land, rolling.

Soil, shallow sand and exposed shale.

Timber, thinly scattered scrub juniper.

From the cor. of secs. 25, 30, 31, and 36. on the E. bdy. of the Tp.

S. 89° 58' W., bet. secs. 25 and 36.

Over rolling land, through thinly scattered scrub timber; asc. 80 ft. along rolling S. slope.

27.80 Top of ascent, slopes SW.; desc. 120 ft. along broken S. slope.

38.80 Drain, course S. 10° W.; asc. 10 ft. along SE. slope,

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked $\frac{1}{4}$ $\frac{S25}{S36}$

1956

Asc. 400 ft. along abrupt talus SE. slope.

64.50 Top of ascent, at base of high rim of S. Block, slopes S.; desc. 250 ft. along abrupt talus SW. slope.

72.40 Base of steep descent, bears N. 10° W. and SE.; desc. 120 ft. over SW. slope.

80.00 The cor. of secs. 25, 26, 35, and 36.

Land, rolling S. breaks of South Block.

Soil, shallow sand and broken sandstone.

Timber, thinly scattered scrub juniper.

From the cor. of secs. 33 and 34, on the S. bdy. of the Tp.

N. 0° 02' W., bet. secs. 33 and 34.

Over rolling land, through thinly scattered scrub timber; asc. 60 ft. over SE. slope.

15.70 Ridge, bears NE. and SW.; desc. 120 ft. over rolling NW. slope.

38.80 Wash, 10 lks. wide, 1 ft. deep, course N. 60° W.; asc. 10 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

Portion of the Subdivision, T_{32S} R_{14E}, S₂₈, Sec. 27, 28, 33, and 34.

Chains

T_{32S} R_{14E}
S₂₈ S₃₃ S₃₄
1956

- Asc. 40 ft. over SW. slope.
 - 42.90 Spur, slopes N. 70° W.; desc. 40 ft. over rolling N. slope.
 - 57.10 S. rim of box canyon, a ledge about 40 ft. high, bears N. 80° W. and S. 80° E.; desc. 400 ft. over high ledges on N. slope.
 - 69.60 Wash, in bottom of box canyon, 20 lks. wide, 3 ft. deep, course S. 70° W.; asc. 480 ft. over high ledges on S. slope.
 - 77.50 N. rim of box canyon, a ledge about 100 ft. high, bears N. 80° E. and S. 80° W.; asc. 10 ft. over SE. slope.
 - 80.00 Point for the cor. of secs. 27, 28, 33, and 34.
- Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked
- T_{32S} R_{14E}
S₂₈ S₂₇
S₃₃ S₃₄
1956

Land, rolling and broken.
Soil, shallow sand and exposed shale.
Timber, thinly scattered scrub juniper.

- N. 0° 02' W., bbt. secs. 27 and 28.
 - Over rolling benchland, through thinly scattered scrub juniper; asc. 10 ft. over rolling W. slope.
 - 9.60 S. rim of a box canyon, a ledge about 100 ft. high, bears N. 10° E. and S. 10° W.; desc. 480 ft. over high ledges on NW. slope.
 - 33.10 Wash, 30 lks. wide, 2 ft. deep, in bottom of canyon, course S. 20° W.; asc. 480 ft. over high ledges on SE. slope.
 - 40.00 Point for the ¼ sec. cor. of secs. 27 and 28 falls on inaccessible ledges facing SE.; where the cor. cannot be monumented.
 - 41.30 N. rim of box canyon, a ledge about 100 ft. high, bears N. 80° E. and SW.;
 - 41.50 Point selected for the ¼ sec. cor. of secs. 27 and 28.
Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked
 - Asc. 80 ft. over rolling S. slope.
 - 60.60 Spur, slopes SW.; desc. 60 ft. over rolling NW. slope.
 - 80.00 Point for the cor. of secs. 21, 22, 27, and 28.
- T_{32S} R_{14E}
S₂₈ S₂₇
W C
1956

. Portion of the Subdivision, T. 32 S., R. 14 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R14E

S21|S22

S28|S29

1956

Land, rolling and broken.

Soil, shallow sand and exposed shale and sandstone.

Timber, thinly scattered scrub juniper.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling benchland, through thinly scattered scrub timber; desc. 40 ft. over NW. slope.

5.40 Wash, 20 lks. wide, 2 ft. deep, course S. 70° W.; asc. 80 ft. over SW. slope.

10.70 Spur, slopes SW.; desc. 90 ft. over NW. slope.

26.50 Wash, 10 lks. wide, 1 ft. deep, course N. 70° W.; asc. 80 ft. over SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., $\frac{1}{4}$ ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

S21|S22

1956

Continue over a series of low spurs and minor drains putting W.

80.00 Point for the cor. of secs. 15, 16, 21, and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S R14E

S16|S15

S21|S22

1956

Land, rolling bench.

Soil, shallow sand and exposed shale.

Timber, thinly scattered juniper.

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling benchland, through thinly scattered scrub timber; desc. 70 ft. over NW. slope.

13.50 Wash, 20 lks. wide, 4 ft. deep, course N. 80° W.

21.50 S. rim of box canyon, a ledge about 200 ft. high, bears E. and W.; desc. 250 ft. over high ledge and talus N. slope.

23.50 Wash, 20 lks. wide, 4 ft. deep, course N. 80° W.; asc. 250 ft. over ledge facing SW.

Portion of the Subdivision, E. 22 S., R. 34 E.

9

Chains

29.90 N. rim of box canyon, a ledge about 250 ft. high, bears NW. and SE.; asc. 10 ft. over S. slope.

40.00 Point for the 1/4 sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. diam., 2 1/2 ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

S16 | S15
1956

Asc. 120 ft. over rolling S. slope.

72.20 Spur, slopes W.; desc. 60 ft. over NE. slope.

80.00 Point for the cor. of secs. 9, 10, 15, and 16.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to bedrock and in a mound of stone, 2 1/2 ft. base, to top, with brass cap marked

T32S R14E
S 9 | S10
S16 | S15
1956

Land, rolling benchland.
Soil, shallow sand and exposed shale and sandstone.
Timber, thinly scattered scrub juniper.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling land; desc. 30 ft. over NE. slope.

4.50 Drain, course NW.; asc. 50 ft. over S. slope.

6.10 Spur, slopes N. 70° W.; desc. 130 ft. over rolling NW. slope.

29.30 Wash, 30 lks. wide, 5 ft. deep, course NW.; asc. 20 ft. over SW. slope.

40.00 Point for the 1/4 sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

S 9 | S10
1956

Asc. 10 ft. along rolling W. slope.

57.00 S. rim of Fiddlers Cove Canyon, a ledge about 60 ft. high, bears N. 30° E. and N. 80° W.; desc. 400 ft. over rim and high ledges on NW. slope.

71.10 Wash, in bottom of Fiddlers Cove Canyon, 30 lks. wide, 3 ft. deep, course S. 10° W.; asc. 500 ft. over high ledges facing SE.

79.20 N. rim of Fiddlers Cove Canyon, a ledge about 60 ft. high, bears NE. and SW.; asc. 10 ft.

Portion of the Subdivision T. 92 S., R. 14 E.

Chains	
80.00	<p>Point for the cor. of secs. 3, 4, 9, and 10.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32S RL4E S 4 S 3 S 9 S 10 1956</p> <p>Land, rolling bench and broken breaks of Fiddlers Cove Canyon. Soil, shallow sand and exposed shale and sandstone. No Timber.</p>
	<p>N. 0° 10' W., bet. secs. 3 and 4.</p> <p>Over rolling land, asc. 90 ft. over rolling SW. slope.</p> <p>22.00 Spur, slopes W.; desc. 40 ft. over NW. slope.</p> <p>38.60 S. edge of small gulch, bears N. 70° W. and easterly; desc. 40 ft. abruptly.</p> <p>40.00 Point for the ¼ sec. cor. of secs. 3 and 4.</p> <p style="text-align: center;">S4 S3 1956</p> <p>Desc. 30 ft. abruptly.</p> <p>42.90 Wash, 20 lks. wide, 1 ft. deep. course N. 70° W.; asc. 60 ft. over SW. slope.</p> <p>47.00 N. edge of gulch, bears N. 70° W. and E.; asc. 10 ft. over SW. slope.</p> <p>54.40 Spur, slopes W.; desc. 110 ft. over NW. slope.</p> <p>73.30 Wash, 20 lks. wide, 4 ft. deep, course W. irregularly; asc. 20 ft. over S. slope.</p> <p>79.51 The cor. of secs. 3, 4, 33, and 34.</p> <p>Land, rolling. Soil, shallow sand and exposed shale. No timber.</p>
	<p>From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.</p> <p>S. 0° 01' E., bet. secs. 1 and 2.</p> <p>Over rolling land, through thinly scattered timber; desc. 10 ft. over SE. slope.</p> <p>0.90 Drain, course SW.; asc. 30 ft. over NW. slope.</p> <p>5.20 Spur, slopes SW.; desc. 130 ft. over a series of low spurs and minor drains putting SW.</p>

Portion of the Subdivision T. 22S., R. 14E.

Chains

- 38.10 Wash, 20 lks. wide, 3 ft. deep, course W. about 1 ch. to junction with wash from E., asc. 20 ft. over N. slope.
- 38.60 Wash, 20 lks. wide, 4 ft. deep, course N. 70° W. about 1 ch. to junction with wash from E., asc. 20 ft. over N. slope.
- 39.83 Point for the 1/4 sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground and in a mound of stone, 2 1/2 ft. base, to top, with brass cap marked

↑
 S2|S1
 1956

Asc. 50 ft. over NW. slope.

- 42.30 Spur, slopes NW.; desc. 10 ft. over a series of low spurs and minor drains putting NW.
- 52.50 Drain, course N. 20° W.; asc. 20 ft. along drain to saddle in spur.
- 64.50 Saddle in spur, projecting NW.; desc. 10 ft. over S. slope.
- 67.60 Drain, course W.; asc. 40 ft. along rolling W. slope
- 76.10 Top of ascent, on a spur sloping W.; desc. 10 ft. over SW. slope.

- 79.83 Point for the cor. of secs. 1, 2, 11, and 12, on a line calculated to connect the cor. of secs. 1, 6, 7, and 12, on the E. bdy. and the cor. of secs. 3, 4, 9, and 10.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R14E
 S 2 | S 1
 S11 | S12
 1956

Land, rolling.
 Soil, shallow sand and shale outcroppings.
 Timber, thinly scattered scrub juniper.

N. 89° 53' W., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7, and 12, on the E. bdy. and the cor. of secs. 3, 4, 9, and 10; as specified in the special instructions.

Over rolling land, through thinly scattered scrub juniper; asc. 20 ft. over SE. slope.

- 3.70 Spur, slopes SW.; desc. 130 ft. over NW. slope.
- 26.90 Center of flat drain, course NW.; asc. 30 ft. over NE. slope.
- 33.10 Spur, slopes NW.; desc. 60 ft. over W. slope.
- 39.80 Drain, course N. 20° W. about 1/2 chs. to junction with drain course N. from SE.
- 40.00 Point for the 1/4 sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

Portion of the Subdivision, T. 32 S., R. 14 E.

Chains

$\frac{1}{4}$ S 2
S11
1956

Over nearly level land.

42.40 Drain; course N.

43.40 Drain, course N. 10° E.; asc. 60 ft. over NE. slope.

48.80 Spur, slopes N. 20° W.; desc. 140 ft. over series of low spurs and minor drains putting northerly.

71.10 Wash, 10 lks. wide, 6 ins. deep, course NW.; asc. 20 ft. over NE. slope.

80.00 Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R14E
S 3 | S 2
S10 | S11
1956

Land, rolling.

Soil, shallow sand and exposed shale.

Timber; thinly scattered scrub juniper.

N. 0° 03' E.; bet. secs. 2 and 3.

Over rolling land; desc. 100 ft. over NW. slope.

12.40 Wash, 40 lks. wide, 2 ft. deep; course S. 70° W.; asc. 80 ft. over rolling S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone,

$\frac{1}{4}$
S3 | S2
1956

Asc. 160 ft. over S. slope.

61.50 Base of steep talus slope of Fiddlers Butte; asc. 240 ft. over SW. slope.

79.62 The cor. of secs. 2, 3, 34, and 35.

Land, rolling.

Soil, shallow sand and exposed shale.

No timber.

From the cor. of secs. 32 and 33, on the S. bdy. of the Tp.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling and broken land, through thinly scattered scrub timber; desc. 20 ft. over NW. slope.

Portion of the Subdivision of Secs. 22, 29, 32, & 33.

Chains

CHAINS

9.50 Rim, a ledge about 40 ft. high, bears NE. and SW.; desc. 300 ft. over high ledges facing NW.

19.80 Bottom of abrupt descent, bears NE. and SW.; desc. 130 ft. over NW. slope.

28.50 Wash, 10 lks. wide, 3 ft. deep, course N. 80° W.

34.60 Wash, 10 lks. wide, 30 ft. deep, course S. 80° W.; asc. 110 ft. over S. slope.

40.00 Point for the 1/4 sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

↑
S32|S33
1956

Asc. 10 ft. over S. slope.

41.10 Base of abrupt ascent, bears N. 80° E. and S. 80° W.; asc. 250 ft. over high ledges on S. slope.

45.50 Rim a ledge about 80 ft. high, bears N. 80° E. and S. 80° W.; asc. 40 ft. over SE. slope.

48.30 Spur, slopes SW.; desc. 40 ft. over NW. slope.

54.90 Rim, a ledge about 80 ft. high, bears E. and SW.; desc. 320 ft. over high ledges and steep slope facing NW.

71.20 Base, of abrupt descent, bears NW. and E.; desc. 80 ft. over NW. slope.

80.00 Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., Over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked

T328 R14E
S29|S28
S32|S33
1956

Land, rough and broken breaks of the Dirty Devil River. Soil, shallow sand and exposed sandstone. Timber, thinly scattered scrub juniper.

From the cor. of secs. 15, 16, 21, and 22.

West, bet. secs. 16 and 21,

Over rolling shale land,

2.80 Spur, slopes N. 60° W.; desc. 100 ft. over SW. slope.

23.50 Wash, 20 lks. wide, 10 ft. deep, course NW.; desc. 10 ft. over W. slope.

28.90 E. rim of the Dirty Devil River; a ledge about 200 ft. high, bears NE. and S.; desc. 450 ft. over high ledges facing W.

40.00 Point for the 1/4 sec. cor. of secs. 16 and 21.

Portion of the Subdivision, T. 32 S., R. 14 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked

$$\frac{1}{4} \frac{S16}{S21}$$

1956

Desc. 120 ft. over SW. slope.

46.00 Drain, course SW.; asc. 40 ft. over SE. slope.

54.40 Top of ascent, slopes S. 30° W.; desc. 60 ft. over SW. slope.

69.20 Point selected for the witness cor. of secs. 16, 17, 20, and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., over (X) an sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R14E
W S17 | S16
C S20 | S21
1956

70.00 E. rim of the inner canyon of the Dirty Devil River, a ledge about 50 ft. high, bears NE. and SW.; desc. 200 ft. over high vertical ledges facing NW.

76.10 Dirty Devil River, 2 chs. wide, banks 2 ft. high, dry, course SW.; asc. approximately 200 ft. over vertical ledges facing SE.

80.00 Point for the cor. of secs. 16, 17, 20, and 21 falls on inaccessible ledges of W. breaks of the Dirty Devil River, facing SE., where the cor. cannot be monumented.

Land, rolling and broken breaks of the Dirty Devil River.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered scrub juniper.

From the true point for the cor. of secs. 16, 17, 20, and 21.

N. 0° 03' W., bet. secs. 16 and 17.

Over broken inaccessible breaks on the W. side of the Dirty Devil River, asc. approximately 40 ft. over sandstone ledges, facing SE.

0.50 Rim of the Dirty Devil River inner canyon, a ledge about 60 ft. high, bears NE. and SW.; asc. 70 ft. over rolling S. slope.

13.10 Same rim of the Dirty Devil River inner canyon, a ledge about 250 ft. high, bears N. 30° W. and E. desc. over ledge facing N.

16.80 Dirty Devil River, 2 chs. wide, 3 ft. banks, course SE. on bend to E.; asc. 250 ft. over high bluff, facing SW.

20.30 E. rim of the Dirty Devil River inner canyon, a ledge about 200 ft. high, bears N. 20° W. and SE., thence along E. rim of the River.

38.55 Point selected for the witness ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., over (X) on sandstone surface and in a mound of stone, 3½ ft. base, to top, with brass cap marked

Portion of the Subdivision, T. 32 S., R. 16 E.

Chains

W C
S17/S16
1956

Desc. 10 ft. over NW. slope.

- 39.90 E. rim of the Dirty Devil River, a cliff about 200 ft. high, bears NE. and SW.; desc. 200 ft. over cliff facing NW.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17, falls on face of cliff, where the cor. cannot be monumented.
- 43.10 Dirty Devil River, course SW. from N. 10° E., thence along bottom of canyon.
- 55.00 Dirty Devil River, course S. 20° E.; asc. 200 ft. over E. wall of the inner canyon of the Dirty Devil River.
- 71.60 E. rim of the inner canyon of the Dirty Devil River, a cliff about 200 ft. high, bears N. 80° W. and S. 10° E.; asc. 20 ft. over SW. slope.
- 73.20 Spur, slopes W.; desc. 70 ft. over ledges on NW. slope.
- 77.80 Wash, 20 lks. wide, 10 ft. deep, course SW.; asc. 50 ft. over SE. slope.
- 80.00 Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over (X) on sandstone surface and in a mound of stone, $3\frac{1}{2}$ ft. base, to top, with brass cap marked

T32S R14E
S 8/S 9
S17/S16
1956

Land, rough and broken breaks of the Dirty Devil River.
Soil, solid sandstone, with sand in washes and river bottom.
Timber, thinly scattered scrub juniper.

From the cor. of 9, 10, 15, and 16.

N. $89^{\circ} 58'$ W., bet. secs. 9 and 16.

Over broken land, through thinly scattered scrub timber; asc. 20 ft. along N. slope.

- 16.80 Spur, slopes NW.; desc. 90 ft. over rolling W. slope

- 39.90 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass cap marked

$\frac{1}{4}$ S 9
S16
1956

- 42.30 Spur, slopes SW.; desc. 70 ft. over rolling W. slope.

Portion of the Subdivision, T. 32 S., R. 14 E.

Chains

- 57.70 E. rim of the Dirty Devil River, a cliff about 150 ft. high, bears NW. and S. 20° W.; desc. 550 ft. over high ledges facing W.
- 72.20 Drain, course N. 80° W.; desc. 50 ft. along N. slope.
- 77.50 Same drain, course S. 60° W.; asc. 20 ft. over SE. slope.
- 79.95 The cor. of secs. 8, 9, 16, and 17.

Land, rolling benchland and rough broken breaks of the Dirty Devil River.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered scrub juniper.

/ true point for the
From the cor. of secs. 31 and 32, on the S. bdy. of the Tp.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over rough W. breaks of the Dirty Devil River, through thinly scattered scrub juniper; asc. 80 ft. along E. face of high ledges.

- 14.10 Top of ascent along Rim, a ledge about 150 ft. high, bears NE. and S.; desc. 70 ft. over rolling NE. slope.
- 36.60 Drain, course N. 60° E.; asc. 40 ft. over SE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked
- \uparrow
 S31 | S32
 1956
- Asc. abruptly 20 ft. over ledge facing SE.
- 40.70 Spur; slopes N. 60° E.; desc. 80 ft. over ledges on N. slope.
- 44.90 Rim of the Dirty Devil River, a cliff about 150 ft. high, bears NW. and S. 70° E.; desc. 400 ft. over ledges facing N.
- 51.30 Small wash, course E.; asc. 380 ft. over ledges facing S.
- 60.50 E. rim of the Dirty Devil River, a cliff about 150 ft. high, bears E. and W.; asc. 140 ft. over rolling S. slope.
- 80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R14E
 S30 | S29
 S31 | S32
 1956

Land, rolling bench and rough broken breaks of the Dirty Devil River.
Soil, shallow sand and exposed sandstone.
Timber, scattered scrub juniper.

.Position of the Subdivision, T. 32 S., R. 14 E.

Chains

F

From the cor. of secs. 28, 29, 32, and 33.
S. 89° 56' W., bet. secs. 29 and 32.

Over rolling and broken land, through thinly scattered scrub juniper;
desc. .80 ft. over NW. slope.

22.30

E. rim of the inner canyon of the Dirty Devil River, a cliff about
120 ft. high, bears N. 20° E. and S. 20° W.; desc. 130 ft. over cliff
facing W.

24.50

The Dirty Devil River, 1.20 chs. wide, 4 ft. banks, course SW.; asc.
130 ft. over ledges facing E.

30.30

W. rim of the Dirty Devil River, a ledge about 40 ft. high, bears
N. 20° E. and SW.; asc. 20 ft. over SE. slope.

40.07

Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground
to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base, to top, with brass
cap marked

$$\frac{1}{4} \frac{S29}{S32}$$

1956

Asc. 10 ft. over SE. slope.

42.50

Top of ascent, slopes S.; desc. 20 ft. over SW. slope

44.00

Wash, 10 lks. wide, 2 ft. deep; course S. from the NW.; asc. 400 ft.
over abrupt talus slope and high ledges facing NE.

68.60

Rim, a cliff about 250 ft. high, bears NW. and SE.; asc. 20 ft. over
rolling E. slope.

80.14

The cor. of secs. 29, 30, 31, and 32.

Land, rough broken breaks of the Dirty Devil River.
Soil, shallow sand and exposed sandstone.
Timber, thinly scattered scrub juniper.

General Description

The land, in township 32 south, range 14 east is mostly shallow
benchland; except for the sandstone ledges of the west rim of the
Dirty Devil River in the extreme west and the red sandstone mesa,
known as South Block on the E. boundary. The Dirty Devil River cuts
a canyon through the west half, draining southerly. All the township
is drained by the Dirty Devil River, except for the extreme southeast
corner which drains south into Rock Canyon. The height above sea
level varies from 3600 ft. in the Dirty Devil River to 6600 ft. on
South Block.

There is no running water in the Dirty Devil River at low stage,
but a number of seeps are found along the river bottom.

Very little vegetation is found in the main portion of the township
except for a few scattered scrub juniper, though there is a medium
growth of juniper and pinon on top of South Block and on the top of
the red sandstone cliffs on the W. rim of the Dirty Devil River.

General Description

Chains

A road enters the township near the southwest corner of section 32, bearing southerly to North Wash, and easterly through the southern half of the section thence southerly to leave on the south boundary of section 32, near the southeast corner, bearing southeasterly on to Sunset Pass. A prospect road enters the township on the south boundary of section 36, bearing northerly to South Block and southerly to join the North Wash-Sunset Pass road.

There are no permanent settlements located in the township and the land is used for a limited amount of winter stock grazing. A few Uranium claims were found near the base of North Block and on the west rim of the Dirty Devil River, but all were inactive at the time of this survey.

CERTIFICATE OF CADASTRAL ENGINEER

Craig P. Sylvester, Cartographic Survey Aid
We, Donald A. Cannon, Cartographic Survey Aid, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 17th day of March, 1955,
we have surveyed the south, east, and north boundaries and a portion of the subdivision
lines in Township 32 South, Range 14 East.

of the Salt Lake Meridian, in the State of Utah; which are
represented in the foregoing field notes as having been executed by us and under our direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah
March 11, 1957

Craig P. Sylvester
Craig P. Sylvester, Cartographic Survey Aid
Donald A. Cannon
Donald A. Cannon, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., 10

The foregoing field notes of the survey of
executed by
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, Cadastral Engineer, HEREBY CERTIFY upon honor that

pursuance of special instructions bearing date of the 17th day of March, 1957

I have supervised the survey of the south, east, and north boundaries and a portion of the subdivisional lines in Township 32 South, Range 14 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed under my supervision; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 11, 1957


Vern E. Lane, Cadastral Surveyor

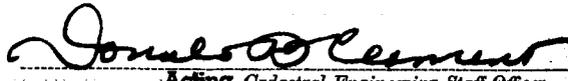
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 1957

The foregoing field notes of the survey of the south, east, and north boundaries and a portion of the subdivisional lines in Township 32 South, Range 14 East.

executed by Craig P. Sylvester and Donald A. Cannon, under the supervision of Vern E. Lane. having been critically examined and found correct, are hereby approved.


Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in _____, is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

.....

 OF
 THE SURVEY OF
 THE EAST AND NORTH BOUNDARIES
 AND
 A PORTION OF THE SUBDIVISION
 OF
 TOWNSHIP 32 SOUTH, RANGE 13 EAST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor, "Chief of Party"

Donald A. Cannon, Cartographic Survey Aid

Craig P. Sylvester, Cartographic Survey Aid

Under special instructions dated March 17, 1955, which provided
 for the surveys included under Group No. 400, approved April 14, 1955
 and assignment instructions dated April 23, 1956.

Survey commenced May 2, 1956

Survey completed June 6, 1956

INDEX DIAGRAM

Township 32 SOUTH, Range 13 EAST

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16-26770-1

Craig P. Sylvester
Donald A. Cannon

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N. and E. Bdys., and a Portion of the Subdivision of T. 32 S., R. 13 E.

Chains

The S. Bdy. of the township was surveyed by Parkinson and Voorhees in 1955. The W. Bdy. was surveyed by E. Bird and E. Smith in 1922.

The following notes are those of the survey of the E. and N. Bdys. and a portion of the subdivision of T. 32 S., R. 13 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with Buff and Buff solar transit number 26066, and Gurley solar transit number 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported were determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for simplification of the record the random lines are omitted from the field notes.

The measurements were made with steel tapes, eight chains in length, these tapes were graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the SE. corner of the Tp. is Latitude 37° 58' 21" N., Longitude 110° 25' 13" W., as scaled from U. S. G. S. topographic maps.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' E.

E. Bdy., T. 32 S., R. 13 E.

Beginning at the cor. of Ts. 32 and 33 S., R. 13 E. and Ts. 32 and 32½ S., R. 14 E., monumented with an iron post, 1 inch diam., set, marked and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Through scattered scrub juniper and pinon on top of high mesa, desc. 10 ft. along NW. slope.

1.10 Wash, 10 lks. wide, 2 ft. deep, course SW., asc. 340 ft. along rocky SE. slope and ledge.

7.20 Top of ledge about 200 ft. high, bears N. 70° E. and W., asc. 30 ft. over sandstone surface.

10.90 Sandstone spur, slopes SW.; desc. 40 ft. over sandstone surface.

Chains

- 13.30 Drain, course N. 60° W., asc. 40 ft., along sandstone SW. slope.
- 20.50 Spur, slopes W., desc. 300 ft. over a series of sandstone ledges on N. slope.
- 29.20 Wash, 10 lks. wide, 2 ft. deep, course N. 60° W., asc. 60 ft. over broken ledges on SW. slope.
- 31.50 Rim, a ledge about 20 ft. high, bears N. 60° W. and S. 60° E., thence over top of bench.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 10 inches in the ground to bedrock and in a mound of stone, 3 $\frac{1}{2}$ ft. base, to top with brass cap marked

$\frac{1}{4}$
 S36 | S31
 1956

Asc. 10 ft. along SW. slope.

- 40.20 Spur, slopes S. 70° W., desc. 30 ft. along NW. slope.
- 41.90 Ledge, 5 ft. high, bears N. 20° E. and S. 30° W., desc. 40 ft. along rocky NW. slope.
- 49.50 Drain, course S. 30° W., asc. 50 ft. abruptly along SE. slope.
- 51.00 Ledge, 5 ft. high, bears N. 60° E. and S. 60° W., asc. 30 ft. over S. slope.
- 56.00 Spur, projects S. 30° W., desc. 10 ft. along NW. slope.
- 59.30 Ledge, 5 ft. high, bears N. 80° E. and S. 80° W., desc. 160 ft. along NW. slope.
- 67.90 Wash, 10 lks. wide, 2 ft. deep, course SW., asc. 160 ft. along ledgy SE. slope.
- 73.50 Rim, a ledge about 40 ft. high, bears NE. and S. 60° W., asc. 10 ft. along SE. slope.
- 80.00 Point for the Cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked

T32S
 R13E R14E
 S25 | S30
 S36 | S31
 1956

Land, broken top of high mesa.
 Soil, shallow sand and exposed sandstone.
 Timber, scattered scrub juniper and pinon.

North, bet. secs. 25 and 30.

Over rolling and broken exposed sandstone on high mesa through scattered scrub timber, desc. 10 ft. along NW. slope.

- 3.10 Drain, course SW., asc. 70 ft. along ledgy SE. slope.

E. Bdy., T. 32 S., R. 13 E.

Chains

- 13.40 Spur, slopes SW., desc. 140 ft. along NW. slope.
- 29.70 Drain, course S. 30° W., asc. 130 ft. over ledges on SE. slope.
- 37.10 Spur, slopes S. 60° W., desc. 10 ft. along NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 2 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked
- S25 | S30
1956
- Asc. 40 ft. along a series of small gours and minor drains putting westerly.
- 55.90 Spur, slopes N. 30° W., desc. 280 ft. along NW. slope.
- 80.00 Point for the cor. of secs. 19, 24, 25 and 30 falls on face of a ledge, 4 ft. high, where it is impracticable to monument the corner.
Land, rolling and broken top of high mesa.
Soil, shallow sand and considerable exposed sandstone.
Timber, scattered scrub juniper and pinon.
-
- North, bet. secs. 19 and 24.
Over rolling and broken top of high mesa through scattered timber.
- 0.30 Point selected for the witness cor. of secs. 19, 24, 25 and 30.
Set an iron post, 30 inches long, 1 $\frac{1}{2}$ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked
- T323
R13-RI14E
S24 | S19
S25 | S30
W C
1956
- Desc. 10 ft. along NW. slope.
- 1.50 Center of flat drain, course W., asc. 370 ft. over S. slope.
- 9.00 Spur, slopes sharply S. 60° W., 12 chs. to end, desc. 160 ft. along NW. slope.
- 25.60 Wash, 40 lks. wide, 3 ft. deep, course SW., asc. 270 ft. along SE. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24, falls on sandstone slope where it is impracticable to monument the corner.
- 41.30 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 19 and 24.
Set an iron post, 30 inches long, 2 $\frac{1}{2}$ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

E. Bdy.; T. 32 S., R. 13 E.

Chains

$$\begin{array}{c} \frac{1}{4} \\ \downarrow \\ S24 | S19 \\ \downarrow \\ W C \\ 1956 \end{array}$$

- 41.60 Spur, slopes SW., desc. 130 ft. along ledgy NW. slope.
- 58.40 Wash, 10 lks. wide, 1 ft. deep, course SW., asc. 210 ft. along ledgy SE. slope.
- 74.10 Spur, projects S. 70° E., desc. 40 ft. along sandstone NE. slope.
- 78.20 Drain, course E., asc. 20 ft. along SE. slope to witness cor.
- 80.00 Point for the cor. of secs. 13, 18, 19 and 24, falls on face of broken sandstone ledge, 10 ft. high, bearing E. and W. where the corner cannot be monumented.

Land, rolling and broken top of high mesa.
Soil, shallow sand and considerable exposed sandstone.
Timber, scattered scrub juniper and pinon.

North, bet. secs. 13 and 18.

Over rolling and broken top of high mesa through scattered timber.

- 0.30 Point selected for the witness cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top with brass cap marked

$$\begin{array}{c} T32S \\ R13 | E18 \\ S13 | S18 \\ S24 | S19 \\ \downarrow \\ W C \\ 1956 \end{array}$$

Asc. 10 ft. along SE. slope.

- 4.50 Spur, projects SW., desc. 60 ft. along gentle NW. slope.
- 34.60 S. rim of a box canyon, a ledge about 60 ft. high, bears N. 70° E. and S. 30° W., desc. 110 ft. over ledge and rocky NW. slope.
- 35.50 Wash, in bottom of box canyon, 10 lks. wide, 3 ft. deep, course S. 60° W., asc. 90 ft. over rocky S. slope. and ledge.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, falls on face of ledge where the corner cannot be monumented.
- 40.10 N. rim of box canyon, a ledge about 50 ft. high, bears N. 80° E. and S. 60° W.
- 40.48 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 13 and 18.
- Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 4 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top of post with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \downarrow \\ S13 | S18 \\ \downarrow \\ W C \\ 1956 \end{array}$$

E. Bdy., T. 32 S., R. 13 E.

Chains	
50.10	Asc. 60 ft. along SE. slope.
74.60	Spur, slopes SW., desc. 70 ft. along ledgey NW. slope.
80.00	S. rim of Marinus Canyon, a ledge about 40 ft. high, bears S. 70° E. and W., desc. 60 ft. over ledge and NW. slope.
80.00	Point for the cor. of secs. 7, 12, 13 and 18. Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top of post with brass cap marked
	<p style="text-align: center;">T32S R13E R14E S12 S 7 S13 S18 1956</p>
	<p>Land, rolling and broken top of high mesa. Soil, shallow sand and considerable exposed sandstone. Timber, scattered scrub juniper and pinon.</p>
	North, bet. secs. 7 and 12.
	Over rolling and broken top of high mesa through scattered scrub juniper and pinon, desc. 50 ft. along NW. slope.
3.40	Wash, 10 lbs. wide, 2 ft. deep, in bottom of Marinus Canyon, course S. 30° W., asc. 440 ft. along rocky SE. slope.
28.00	Point selected for the witness sec. cor. of secs. 7 and 12.
	Set an iron post, 30 inches long, 1½ inches diam., over a (X) on sandstone surface and in a mound of stone, 4 ft. base, to top with brass cap marked
	<p style="text-align: center;">W C ↑ S12 S 7 1956</p>
28.10	Sandstone ridge, bears E. and S. 60° W., desc. 80 ft. over ledges on N. slope.
29.80	W. rim of the Dirty Devil River Canyon, bears E. and W., 15 chs., thence N.
	Note: the following 90 chs. is inaccessible and only approximate topography given as scaled from U. S. G. S. topographic sheets.
	Desc. about 1300 ft. over cliff, 800 ft. high, and steep talus N. slope.
40.0	Point for the sec. cor. of secs. 7 and 12, is inaccessible and not monumented.
	Desc. about 400 ft. over N. slope.
52.00	Drain, course N. 30° E., asc. about 50 ft. along talus E. slope.
72.00	Spur, slopes N. 60° E., desc. about 40 ft. along broken NE. slope.
80.00	Point for the cor. of secs. 1, 6, 7 and 12, is inaccessible and not monumented.
	Land, rolling and broken top of high mesa and the W. wall and breaks of the Dirty Devil River Canyon.

Chains

Soil, shallow sand and considerable exposed sandstone.
Timber, scattered scrub juniper and pinon.

North, bet. secs. 1 and 6.

Over rough and inaccessible breaks on the W. wall of the Dirty Devil River Canyon, through scattered scrub juniper and pinon, desc. about 160 ft. along NE. slope.

16.00 Drain, course S. 20° E., asc. 200 ft. along SW. slope.

25.00 Base of steep ascent, bears N. 70° W. and S. 60° E., asc. about 700 ft. over talus S. slope and cliff.

33.00 W. Rim of the Dirty Devil River Canyon, a cliff about 500 ft. high, bears W. and S. 60° E., asc. 140 ft. over a series of ledges on S. slope. End of the inaccessible portion of the line.

40.00 Point for the 2. sec. cor. of secs. 1 and 6.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground and in a mound of stone, 3½ ft. base, to top with brass cap marked

1/4
S 1 | S 6
1956

Asc. 10 ft. along SW. slope.

47.50 Spur, slopes SE., asc. 160 ft. along a series of low spurs and minor drains putting easterly.

80.00 Point for the cor. of Ts. 31 and 32 S., Rs. 13 and 14 E.

Set an iron post, 30 inches long, 2½ inches diam., over a (X) on sandstone surface and in a mound of stone, 3 ft. base, to top with brass cap marked

T31S
R13ER14E
S36 | S31
S 1 | S.6
T32S
1956

Land, rough and broken breaks of the Dirty Devil River Canyon and top of high mesa.

Soil, shallow sand and exposed sandstone.
Timber, scattered scrub juniper and pinon.

North Boundary, T. 32 S., R. 13 E.

From the cor. of Ts. 31 and 32 S., Rs. 13 and 14 E., heretofore described.

N. 89° 49' W., bet. secs. 1 and 36.

Over broken exposed sandstone through scattered scrub juniper and pinon, asc. 190 ft. over ledges on E. slope.

10.10 Spur, slopes S., desc. 260 ft. along ledges on SW. slope.

23.80 Drain, course S., asc. 160 ft. over ledges on SE. slope.

31.50 Spur, slopes sharply to SE., 8 chs. to end., desc. 140 ft. over

N. Bdy., T. 32 S., R. 13 E.

Chains

sandstone ledges on SW. slope.

33.60

Drain, course SE., asc. 210 ft. over ledges on E. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., over a (X) on sandstone surface and in a mound of stone, 4 ft. base, to top with brass cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S36} \\ \hline \text{S 1} \\ 1956 \end{array}$$

Asc. 80 ft. over ledges on E. slope.

44.40

Ridge, bears N. and S., desc. 60 ft. over broken W. slope.

47.60

Drain, course SW., asc. 100 ft. over ledges on SE. slope.

59.20

Ledge, 20 ft. high, bears N. 60° E. and S. 50° W., asc. 40 ft. along SE. slope.

67.30

Ridge, bears SW. and NE., desc. 60 ft. over W. slope.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 20 inches in the ground with brass cap marked

$$\begin{array}{r} \text{T31SR13E} \\ \text{S35|S36} \\ \text{S 2|S 1} \\ \text{T32S} \\ 1956 \end{array}$$

raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.

Land, rolling and broken sandstone formations, draining SW.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper and pinon.

N. 89° $49'$ W., bet. secs. 2 and 35.

Over rolling land through scattered juniper and pinon, desc. 140 ft. over W. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 20 inches in the ground with brass cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S35} \\ \hline \text{S 2} \\ 1956 \end{array}$$

raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of the iron post.

Desc. 20 ft. over W. slope.

44.90

E. rim of Butler Canyon, a ledge about 20 ft. high, bears N. 70° E. and S. 70° W., desc. 510 ft. over ledges on NW. slope.

65.60

Wash in the bottom of Butler Canyon, 20 lks. wide, 3 ft. deep, course SW., asc. 300 ft. over sandstone ledges on SE. slope.

80.00

Point for the cor. of secs. 2, 3, 34 and 35, falls on small ledge where the cor. cannot be monumented.

N. Bdy., T. 32 S., R. 13 E.

Chains

Land, rolling in E. and the breaks of Butler Canyon in W.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

N. 89° 49' W., bet. secs. 3 and 34.

Over broken land through scattered timber, asc. 10 ft. along SE. slope.

0.18 Point selected for the witness cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR13E
S34|S35 W.
S 3 | S 2 C
T32S
1956

Continue along slight SE. slope.

6.30 Spur, slopes S. 30° W., desc. 200 ft. over ledges on NW. slope..

14.60 Wash, 10 lks. wide, 2 ft. deep, course S. 30° W., asc. 610 ft. over ledges on SE. slope.

25.70 W. rim of Butler Canyon, bears N. 70° E. and S. 70° W., asc. 10 ft. over rolling sandy land.

40.00 Point for the ¼ sec. cor. of secs. 3 and 34.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

¼ S34
S 3
1956

Asc. 10 ft. along slight SE. slope.

49.20 Spur, slopes SW., desc. 40 ft. along NW. slope.

56.90 Wash, course S. 30° W., asc. 30 ft. along SE. slope.

64.70 Spur, slopes S. 30° W., desc. 50 ft. over W. slope.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top with brass cap marked

T31SR13E
S33|S34
S 4 | S 3
T32S
1956

Land, rolling in W. 60 chs., breaks of Butler Canyon in E. 20 chs.
Soil, sand and exposed sandstone.
Timber, scattered juniper and pinon.

N. 89° 49' W., bet. secs. 4 and 33.

Over rolling land draining SW., through scattered timber. Desc. 140 ft. along NW. slope.

N. Bdy., T. 32 S., R. 13 E.

Chains

14.60 Wash, 10 lks. wide, 3 ft. deep, course S. 20° W., asc. 20 ft. over ledges on SE. slope.

17.00 Top of ascent, bears N. and S., thence along S. slope.

39.50 Spur, slopes S. 40° W.

40.00 Point for the 1/4 sec. cor. of secs. 4 and 33.

Set an iron post, 30 inches long, 2 1/2 inches diam., 10 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

1/4 S33
S 4
1956

Desc. 170 ft. over ledges on W. slope.

60.30 Wash, course S. 30° W., asc. 110 ft. along SE. slope.

68.40 Spur, slopes SW., desc. 20 ft. over W. slope.

80.00 Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 30 inches long, 2 1/2 inches diam., 8 inches in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap marked

T31S R13E
S32|S33
S 5|S 4
T32S
1956

Land, rolling and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper and pinon.

N. 89° 49' W., bet. secs. 5 and 32.

Desc. 60 ft. over rolling sandy land, through scattered juniper and pinon.

13.90 Wash, course S. 30° W., asc. 90 ft. along SE. slope.

40.00 Point for the 1/4 sec. cor. of secs. 5 and 32.

Set an iron post, 30 inches long, 2 1/2 inches diam., 20 inches in the ground, with brass cap marked

1/4 S32
S 5
1956

raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, N. of cor.

44.90 Top of ascent, slopes SW., desc. 50 ft. along rolling W. slope.

80.00 Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 30 inches long, 2 1/2 inches diam., 20 inches in the ground, with brass cap marked

T31S R13E
S31|S32
S 6|S 5
T32S
1956

Chains

raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling hills.

Soil, sand and some slight exposure of sandstone.

Timber, scattered juniper and pinon.

N. $89^{\circ} 49'$ W., bet. secs. 6 and 31.

Over rolling sand hills, through scattered juniper and pinon, desc. 100 ft.

43.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 18 inches in the ground, with brass cap marked

$$\frac{1}{4} \frac{S31}{S6}$$

1936

raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Desc. 90 ft. over rolling land.

77.71 The cor. of Ts. 31 and 32 S., Rs. 12 and 13 E., marked with an iron post, 3 inches diam., conforming to the record of the 1922 survey.

Land, rolling sand dunes.

Soil, sand, with sandstone outcroppings.

Timber, scattered juniper and pinon.

Portion of the Subdivision, T. 32 S., R. 13 E.

From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., monumented by an iron post, $2\frac{1}{2}$ inches diam., set, marked, and witnessed as described in the official record.

N. $0^{\circ} 01'$ W., bet. secs. 35 and 36.

Over broken land, through scattered scrub juniper and pinon, desc. 80 ft. over broken ledges on NW. slope.

13.30 Rim, a ledge about 40 ft. high, bears S. 80° E. and SW., desc. 210 ft. over ledges on N. slope.

17.50 Wash, 10 lks. wide, 2 ft. deep, course N. 70° W. about 6 chs. to junction with wash from the NE., asc. 20 ft. along SW. slope.

24.90 Wash, 10 lks. wide, 3 ft. deep, course S. 60° W., asc. 230 ft. over ledges on SE. slope.

33.60 Spur, slopes S. 60° W., desc. 10 ft. along NW. slope.

38.50 Rim, a ledge about 10 ft. high, bears NE. and S. 60° W., desc. 40 ft. abruptly.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Portion of the Subdivision, T. 32 S., R. 13 E.

Chains

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

S35 | S36
1956

Desc. 220 ft. along steep NW. slope.

50.60 Wash, course S. 80° W., asc. 130 ft. along SE. slope.

53.40 Spur, slopes sharply W. about 6 chs. to end, desc. 290 ft. over ledges on NW. slope into E. fork of Marinus Canyon.

75.20 Wash, in bottom of E. fork of Marinus Canyon, about 30 lks. wide, 3 ft. deep, course S. 30° W., asc. over ledge 70 ft. high.

80.00 True point for the cor. of secs. 25, 26, 35, and 36, falls on face of ledge bearing NE. and SW. and is inaccessible.

Point selected for the witness cor. of secs. 25, 26, 35, and 36, bears W., 4.70 chs. dist.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 6 inches in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R13E
S26 | S25 W
S35 | S36 C
1956

From this point, the true point for the cor. of secs. 25, 26, 35, and 36, bears East, 4.70 chs. dist.

Land, rolling and broken breaks of Marinus Canyon.

Soil, shallow sand and exposed sandstone.

Timber, scattered scrub juniper and pinon.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.
S. $89^{\circ} 49'$ W., bet. secs. 25 and 36.

Over broken top of high mesa, through scattered scrub juniper and pinon, desc. 80 ft. over ledges on NW. slope.

6.80 Wash, 10 lks. wide, 1 ft. deep, course SW., asc. 20 ft. along SE. slope.

13.00 Spur, slopes sharply S. 80° W., desc. 230 ft. over ledges on W. slope.

21.40 Same wash, course NW., asc. 40 ft. along NE. slope.

28.30 Spur, slopes sharply NW., about 7 chs. to end, desc. 130 ft. over W. slope.

32.70 Drain, course NW., asc. 40 ft. along NE. slope.

39.88 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 12 inches in the ground to bedrock and in a mound of stone, 3 ft. base, 1 ft. high, with brass cap marked

Chains

S25

S36

1956

Asc. 210 ft. over ledges on NE. slope.

48.50 Spur, slopes N. 60° W., desc. 130 ft. along SW. slope.

57.60 Rim of E. fork of Marinus Canyon, a ledge about 20 ft. high, bears N. and SW., desc. 430 ft. over ledges on NW. slope.

77.40 Wash, in bottom of the E. fork of Marinus Canyon, course S. 30° W., asc. approximately 100 ft. over SE. face of sandstone wall.

79.76 The true point for the cor. of secs. 25, 26, 35, and 36.

Land, rolling and broken sandstone breaks of Marinus Canyon.

Soil, shallow sand, with considerable sandstone exposure.

Timber, scattered juniper and pinon.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., an iron post, 2½ inches diam., set, marked, and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken breaks of North Wash, through thinly scattered juniper, desc. 70 ft. along NE. slope.

16.40 W. rim of North Wash, 30 ft. high, bears N. irregularly along line, and S. 10° E., asc. 40 ft. along rim.

24.30 Point of rim, projects 2 chs. east to end, desc. 240 ft. over ledges on NE. slope.

30.81 Point selected for the witness ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 inches long, 2½ inches diam., 12 inches in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

WAC
S32|S33
1956

Asc. 140 ft. along W. wall of North Wash.

40.00 True point for the ¼ sec. cor. of secs. 32 and 33, falls on E. face of inaccessible ledges.

68.00 North Wash, 50 lks. wide, 3 ft. deep, course S. 20° E. from NE.

80.00 True point for the cor. of secs. 28, 29, 32, and 33, falls on inaccessible ledges on W. wall of North Wash.

Land, broken ledges of the W. wall of North Wash.

Soil, shallow sand, and exposed sandstone.

Timber, thinly scattered scrub juniper.

Portion of the Subdivision, T. 132 S., R. 13 E.

Chains

N. $0^{\circ} 03'$ W., bet. secs. 28 and 29.

Over breaks on W. wall of North Wash, through thinly scattered juniper.

3.00 Point 160 ft. high, projects E. 1 ch. to end, desc. 160 ft. over ledges into North Wash.

4.00 Bladed road, bears NE. and SW.

6.00 North Wash, 50 lks. wide, 4 ft. deep, course S. 80° E., asc. 10 ft.

7.28 Point selected for the witness cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 12 inches in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R13E

S29 | S28

S32 | S33

W/C

1956

10.20 Base of ascent, bears NW. and SE., asc. abruptly 190 ft. over ledges on SW. slope.

16.00 Spur, slopes sharply SW. about 5 chs. to end, desc. 120 ft. along NW. slope.

33.50 Wash, in bottom of Stair Canyon, about 10 lks. wide, 3 ft. deep, course S. 30° W. 9 chs. to junction with North Wash, asc. 220 ft. over ledges on SE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29, falls on face of ledge and is inaccessible.

40.44 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 28 and 29.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., over "X" on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

S29 | S28

W/C

1956

Asc. 120 ft. over ledges on SE. slope.

49.30 Spur, slopes SW., desc. 70 ft. over ledges on NW. slope.

60.80 Drain, course SW. asc. 90 ft. along SE. slope.

80.00 Point for the cor. of secs. 20, 21, 28, and 29.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 16 inches in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R13E

S20 | S21

S29 | S28

1956

Land, broken.

Soil, shallow sand and exposed sandstone.

Timber, thinly scattered scrub juniper.

Chain	Remarks
	<p>S. 0° 09' E., bet. secs. 20 and 21. asc. 100 ft. k</p> <p>Over broken land, through thinly scattered scrub-juniper, asc. 110 ft. over ledges on SE. slope.</p>
25.00	Spur, slopes SE., desc. 30 ft. along ledges on NW. slope.
29.00	Point for the 1/2 sec. cor. of secs. 20 and 21.
	<p>Set an iron post, 30 inches long, 2 1/2 inches diam., 16 inches in the ground, and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked</p> <p style="text-align: center;"> ↑ S20 S21 1956 </p>
	Desc. 80 ft. over ledges on NW. slope.
30.70	Ram, course S. 30° W., asc. 170 ft. over ledges on SE. slope.
31.00	Spur, slopes SE., desc. 250 ft. over ledges on N. slope.
39.20	Ram, 10 lks. wide, 3 ft. deep, course S. 80° W., asc. 140 ft. over ledges on S. slope.
40.00	Point for the cor. of secs. 16, 17, 20, and 21.
	<p>Set an iron post, 30 inches long, 2 1/2 inches diam., 14 inches in the ground, and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked</p> <p style="text-align: center;"> T125 S13E S17 S16 S20 S21 1956 </p>
	<p>land, broken.</p> <p>soil, shallow sand and exposed sandstone.</p> <p>timber, thinly scattered scrub juniper.</p>
	<p>S. 0° 09' E., bet. secs. 16 and 17.</p> <p>Over broken land, through thinly scattered juniper, asc. 70 ft. over ledges on SE. slope.</p>
1.00	Spur, slopes SE., Asc. 300 ft. over ledges on NW. slope.
21.20	Ram, in the bottom of Butler Canyon, course SE., asc. 220 ft. over ledges on SE. slope.
23.00	Point for the 1/2 sec. cor. of secs. 16 and 17.
	<p>Set an iron post, 30 inches long, 2 1/2 inches in diam., over "X" on sandstone surface, and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked</p> <p style="text-align: center;"> ↑ S17 S16 1956 </p>
	Asc. 60 ft. over ledges on SE. slope.
30.20	Spur, slopes S. 30° W., desc. abruptly 200 ft. over ledges on NW. slope.
34.70	Ram, course SE., asc. abruptly 390 ft. over high ledges on SE.

Portion of the Subdivision, T. 32-S., R. 13 E

Chains

slope.

69.50 Spur, slopes sharply S. 70° E. about 5 chs. to end, desc. 230 ft. into gulch.

76.60 Drain, in bottom of gulch, course S. 70° E., asc. 70 ft. over ledges on S. slope.

80.00 Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 inches long, 2½ inches diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked.

T32S R13E

S 8 | S 9

S17 | S16

1956

Land, rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper.

N. 0° 03' W., bet. secs. 8 and 9.

Over rough broken land, through scattered juniper, asc. 190 ft. over ledges on S. slope.

8.70 Ascend over ledge about 100 ft. high, bears NE. and SW., continue to asc. 100 ft. over SW. slope.

16.80 Spur, slopes SW., desc. 180 ft. over ledges on NW. slope.

37.00 Drain, course SW., asc. 140 ft. over ledges on SW. slope to witness cor.

40.00 Point for the ¼ sec. cor. of secs. 8 and 9 falls on inaccessible ledges facing SW., where the cor. cannot be monumented.

43.32 Point selected for the witness ¼ sec. cor. of secs. 8 and 9.

Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap marked.

S 8 | S 9

W C

1956

Asc. 60 ft. along SW. slope.

49.30 Spur, slopes SW., desc. 340 ft. over ledges on NW. slope.

80.00 Point for the cor. of secs. 4, 5, 8, and 9 falls on inaccessible ledges facing W., where the cor. cannot be monumented.

Land, rolling and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper.

N. 0° 17' E., bet. secs. 4 and 5.

Over rough broken land, along W. face of inaccessible ledges.

Portion of the Subdivision, T. 92 S., R. 13 E.

Chains

width)

- 5.88 Point selected for the witness cor. of secs. 4, 5, 8, and 9
 .Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked
- T32S R13E
 S 5 | S 4
 S 8 | S 9
 W C
 1956
- 6.50 Wash, in bottom of sandstone canyon, course S. 20° W., asc. 330 ft. over ledges on N. wall of canyon.
- 22.50 Spur, slopes SW., desc. 180 ft. over ledges on NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.
 Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., over (X) on sandstone surface and in a mound of stone, 4 ft. base, to top, with brass cap marked
- $\frac{1}{4}$
 S 5 | S 4
 1956
- Desc. 100 ft. over ledges on NW. slope.
- 45.00 Wash, in bottom of sandstone canyon, course S. 30° W., asc. 270 ft. over ledges on SE. slope.
- 60.20 N. rim of canyon, bears NE, and SW., asc. 100 ft. over S. slope.
- 72.50 Spur, slopes S. 30° W., desc. 10 ft. along NW. slope.
- 81.16 The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp.
 Land, rolling and broken.
 Soil, shallow sand and exposed sandstone.
 Timber, scattered juniper.
-
- From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp.
 S. 0° 01' E., bet. secs. 1 and 2.
 Over rolling land, through scattered juniper, asc. 50 ft. along NW. slope.
- 15.50 Spur, slopes S. 30° W., desc. 10 ft. along SE. slope.
- 15.90 W. rim of Stair Canyon, a ledge about 40 ft. high, bears N. 30° E. and S. 30° W., desc. 570 ft. over ledges on SE. slope.
- 40.29 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
 Set an iron post, 30 inches long, 1 inch diam., drilled 6 inches in sandstone surface and in a mound of stone, to top, with brass cap marked
- $\frac{1}{4}$
 S2 | S1
 1956
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Portion of the Subdivision, T. 32 S., R. 13 E.

Chains

Desc. 80 ft. over ledges facing SE.

48.90 Wash, in bottom of Stair Canyon, course S. 10° W., desc. 10 ft. along bottom of canyon.

62.90 Wash, course S. 70° W. 14 chs. to junction with wash in bottom of Stair Canyon, asc. 250 ft. over high ledges on NW. slope.

69.70 E. rim of Stair Canyon, bears N. 10° E. and S. 20° W., desc. 20 ft. along broken E. rim to witness cor.

80.29 True point for the cor. of secs. 1, 2, 11 and 12, falls on inaccessible portion of rim, where the cor. cannot be monumented.

Point selected for the witness cor. of secs. 1, 2, 11, and 12, bears S. 0° 01' E., 0.71 chs. dist.
Set an iron post, 30 inches long, 2½ inches diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

W C
T32S R13E
S 2 | S 1
S11 | S12
1956

From this point, the true point for the cor. of secs. 1, 2, 11, and 12, bears, N. 0° 01' W. 0.71 chs. dist.

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper.

S. 89° 59' W., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7, and 12, on the east bdy. and the cor. of secs. 4, 5, 8, and 9, as specified in the special instructions.

Over rough and broken land, through scattered juniper, asc. 90 ft. along broken N. slope.

4.00 Top of ascent, slopes N., desc. 90 ft. along broken NW. slope.

12.10 E. rim of Stair Canyon, a ledge about 40 ft. high, bears N. 60° E., and SW., desc. 360 ft. over high sandstone ledges on NW. slope.

18.40 Wash, in bottom of Stair Canyon, course SW., asc. 570 ft. over high sandstone ledges on SE. slope.

32.10 W. rim of Stair Canyon, bears NE. and SW., asc. 180 ft. over ledges on SE. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 inches long, 1 inch diam., drilled 6 inches in sandstone surface, with brass cap marked

S 2
¼ S11
1956

Raise a mound of stone, 2½ ft. base, 1½ ft. high, to N. of cor.

Asc. 150 ft. over ledges on SE. slope.

Portion of the Subdivision, T. 32 S., R. 13 E.

Chains

- 00.00 Top of steep ascent, bears NE. and S. 60° W., asc. 10 ft. along slight SE. slope.
- 01.30 Spur, slopes S. 60° W., desc. 110 ft. over W. slope.
- 01.60 W. edge of spur, bears N. 30° E. and S. 30° W., desc. 300 ft. over ledges on W. slope.
- 02.00 Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 6 inches in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap marked

T32S R13E

S 3 | S 2

S10 | S11

1956

Land, rough and broken.

Soil, shallow sand and exposed sandstone.

Timber, scattered juniper.

N. 70° E. line, bet. secs. 2 and 3.

Over rough and broken land, through scattered juniper.

- 01.00 Drain, course S., asc. 150 ft. over ledges on S. slope.
- 01.30 Spur, slopes S. 70° W., desc. 220 ft. over broken ledges on NW. slope.
- 01.60 Descend over a ledge about 60 ft. high, bears N. 70° E. and W., desc. 300 ft. over high ledges on N. slope.
- 02.00 Wash, in bottom of canyon, course S. 70° W., asc. 280 ft. abruptly over ledges on S. slope.
- 02.30 Asc. over ledge about 60 ft. high, bears N. 70° E. and W., asc. 80 ft. along ledges facing W. to witness cor.
- 02.60 True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, falls on face of ledge bearing NW and SE., where the cor. cannot be monumented.
- 02.90 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 8 inches in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

S 3 | S 2

W 10 | W 11

1956

Desc. 100 ft. along a series of low spurs and minor drains putting westerly into Butler Canyon.

- 03.00 Descend over a ledge about 40 ft. high, bears N. 60° E., and S. 60° W., desc. 180 ft. abruptly over N. slope.
- 03.30 Wash, in the bottom of Butler Canyon, course S. 80° W., asc. 220 ft. over high ledges on S. slope.
- 03.60 Ascend over a ledge about 30 ft. high, bears N. 70° E. and W., asc. 230 ft. over broken ledges on S. slope.

Portion of the Subdivision, T. 32 S., R. 13 E.

Chains

80.47

true point for the
The cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp.

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, scattered juniper.

From the cor. of secs. 16, 17, 20, and 21.

East, bet. secs. 16 and 21.

Over rough and broken land, through scattered juniper, asc. 40 ft. along SW. slope.

3.70 Spur, slopes S. 20° W., desc. 160 ft. along SE. slope.

11.50 Wash, course SW., asc. 480 ft. over ledges on NW. slope, to witness cor.

39.30 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 4 inches in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap marked

$\frac{1}{4}$ S16 W
S21 C
1956

40.00 True point for the $\frac{1}{4}$ secs cor. of secs. 16 and 21, falls on W. face of sandstone ledge.

Asc. 130 ft. over broken ledges on NW. slope.

45.70 Spur, slopes S. 50° W., desc. 350 ft. over broken ledges on SE. slope.

68.90 Small wash, course S. 20° W., asc. 90 ft. over ledges on NW. slope.

74.70 Spur, slopes S. 20° W., desc. 40 ft. over ledges on SE. slope.

80.00 Point for the cor. of secs. 15, 16, 21, and 22.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R13E
S16 | S15
S21 | S22
1956

Land, rough breaks of Butler Canyon.
Soil, shallow sand, and exposed sandstone.
Timber, scattered scrub juniper.

N. 0° 02' W., bet. secs. 15 and 16.

Over broken land, through scattered scrub juniper, asc. 120 ft. over ledges on S. slope.

5.50 Spur, slopes SW., desc. 10 ft. along W. slope.

25.40 Drain, course S. 10° W., asc. 160 ft. along rough broken SE. slope.

36.30 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Portion of the Subdivision, T. 32 S., R. 13 E.

Chains

321210

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base to top, with brass cap marked

$\frac{1}{4}$
 WAC
 S16 | S15
 1956

Continue over rugged irregular sandstone formations.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, is inaccessible and not monumented.
- 40.80 Sandstone dome, slopes S. 30° W., desc. 320 ft. along broken sandstone domes and small drains putting westerly.
- 74.50 Minor spur, slopes W., desc. 160 ft. over ledges on NW. slope.
- 80.00 Point for the cor. of secs. 9, 10, 15, and 16.

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 8 inches in the ground and in a mound of stone, 3 ft. base, to top, with brass cap marked

T32S R13E
 S 9 | S10
 S16 | S15
 1956

Land, rough and broken sandstone domes and breaks of Butler Canyon. Soil, shallow sand and exposed sandstone. Timber, scattered juniper.

S. $89^{\circ} 56'$ W. bet. secs. 9 and 16.

Over broken land, through scattered juniper, desc. 100 ft. over ledges on NW. slope.

- 8.10 Wash, 30 lks. wide, 4 ft. deep, course S. 30° W., asc. 150 ft. over ledges on SE. slope.
- 10.70 Rim, bears NE. and SW., asc. 120 ft. over broken SE. slope.
- 15.70 Spur, slopes S. 70° W., desc. 80 ft. over broken SW. slope.
- 25.20 E. rim, of Butler Canyon, bears N. 20° E. and SW., desc. 280 ft. over ledges on NW. slope.
- 33.50 Wash, in bottom of Butler Canyon, 40 lks. wide, 4 ft. deep, course S. from NW., asc. 50 ft. over ledges on SE. slope.
- 39.45 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 9 and 16

Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., over (X) on sandstone surface and in a mound of stone, 3 ft. base, to top, with brass cap marked

$\frac{1}{4}$ W S 9
 C S16
 1956

- 40.03 True point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16, falls on small ledge bearing E. and W. where the cor. cannot be monumented.
- Asc. 270 ft. over ledges on SE. slope.

Portion of the Subdivision, T. 32 S., R. 13 E.

<p>Chain</p> <p>61.50</p> <p>72.10</p> <p>80.05</p>	<p>Spar, slopes S. 30° W., desc. 250 ft. over ledges on NW. slope.</p> <p>Wash, 10 lbs. wide, 2 ft. deep, course S. 20° W., asc. 130 ft. over ledges on SE. slope.</p> <p>The cor. of secs. 8, 9, 16, and 17.</p> <p>Land, broken breaks of Butler Canyon. Soil, shallow sand and exposed sandstone. Timber, scattered juniper.</p>
<p>40.00</p>	<p>From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., monumented by an iron post, 2 1/2 inches diam., set, marked, and witnessed as described in the official record.</p> <p>S. 0° 03' E., bet. secs. 31 and 32.</p> <p>Over broken land, through scattered juniper, asc. 440 ft. over rolling sandstone formations draining S.</p> <p>Point for the 1/4 sec. cor. of secs. 31 and 32.</p> <p>Set an iron post, 30 inches long, 2 1/2 inches diam., 4 inches in the ground to bedrock and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T31 R13E 311/32 1956</p> <p>Asc. 20 ft. along broken E. slope.</p>
<p>46.20</p> <p>54.00</p> <p>60.00</p>	<p>Sandstone drain, 10 lbs. wide, 20 ft. deep, course S., asc. 210 ft. over rocky E. slope.</p> <p>E. rim of wash, between E. and S., asc. 10 ft. over rolling top of bench.</p> <p>Point for the cor. of secs. 28, 29, 32, and 33.</p> <p>Set an iron post, 30 inches long, 2 1/2 inches diam., 18 inches in the ground and in a mound of stone, 4 ft. base, to top, with brass cap marked</p> <p style="text-align: center;">T32 R13E 320/32 331/32 1956</p> <p>Land, broken sandstone formation. Soil, shallow sand and exposed sandstone. Timber, thinly scattered juniper.</p>
<p>38.25</p>	<p>From the true point for the cor. of secs. 28, 29, 32, and 33.</p> <p>S. 89° 59' E., bet. secs. 29 and 32.</p> <p>Over broken land, through thinly scattered juniper, asc. 210 ft. over rocky E. slope.</p> <p>Point selected for the witness 1/4 sec. cor. of secs. 29 and 32.</p> <p>Set an iron post, 30 inches long, 2 1/2 inches diam., over (X) on sandstone surface and in a mound of stone, 3 1/2 ft. base, to top, with brass cap marked</p>

Portion of the Subdivision, T. 32 S., R. 13 E.

Chains

Survey

W S29
C S32
1956

Witness cor. is located on S. slope of sandstone dome.

Asc. 10 ft. along abrupt sandstone on NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32 falls on abrupt inaccessible sandstone SW. slope, where the cor. cannot be monumented.

Over broken sandstone formations draining NW., asc. 40 ft.

55.20 Top of ascent on sandstone dome, desc. 200 ft. over broken sandstone land draining northwesterly.

79.50 E. rim of bench, bears N. and S.

80.00 The cor. of secs. 29, 30, 31, and 32.

Land, rolling sandstone draining northerly.

Soil, shallow sand in patches.

Timber, thinly scattered scrub juniper.

General Description

All of T. 32 S., R. 13 E., is high sandstone mesaland. The soil is exposed sandstone with scattered patches of shallow sand.

The main drainage is North Wash, which enters the township on the west boundary of section 19 and drains southeasterly to leave on the south boundary of section 33. The main tributaries of North Wash are Butler Canyon, Stair Canyon, and Marinus Canyon, all of which drain southwesterly.

The only permanent water found in the township are a few seeps along the bottom of North Wash.

An unimproved road, Hanksville to Hite, follows along the bottom of North Wash.

The only vegetation found is some scattered juniper, a sparse growth of bunch grass, and a few scattered cottonwoods along the bottom of the canyons.

The land is used for a limited amount of stock grazing. There are a number of Uranium claims scattered throughout the township, which were inactive at the time of this survey. There are no permanent settlements to be found in the township.

CERTIFICATE OF CADASTRAL ENGINEER

Donald A. Cannon, Cartographic Survey Aid
We, Craig P. Sylvester, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 17th day of March, 1956,
I have surveyed the East and North Boundaries and a Portion of the Subdivision in
T. 32 S., R. 13 E.

the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by us and under our direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

Salt Lake City, Utah
January 15, 1956

Donald A. Cannon
Donald A. Cannon, Cartographic Survey Aid
Craig P. Sylvester
Craig P. Sylvester, Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

The foregoing field notes of the survey of the East and North Boundaries and a Portion of
the Subdivision in T. 32 S., R. 13 E.

executed by Donald A. Cannon and Craig P. Sylvester
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
_____, is a true copy of the original field notes.

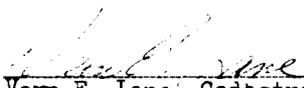
Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, _____, HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 17th day of March, 1955,
I have supervised the survey of the east and north boundaries and a portion of the
subdivision in T. 32 S., R. 13 E.

the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed under my supervision; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

January 15, 1956
Salt Lake City, Utah

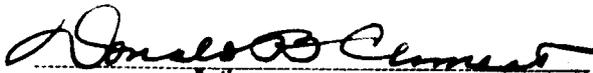

Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of the east and north boundaries and a portion of
a subdivision in T. 32 S., R. 13 E.

executed by Donald A. Cannon and Craig P. Sylvester, under the supervision of Vern
Lane,
having been critically examined and found correct, are hereby approved.


Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____
is a true copy of the original field notes.

Cadastral Engineering Staff Officer.