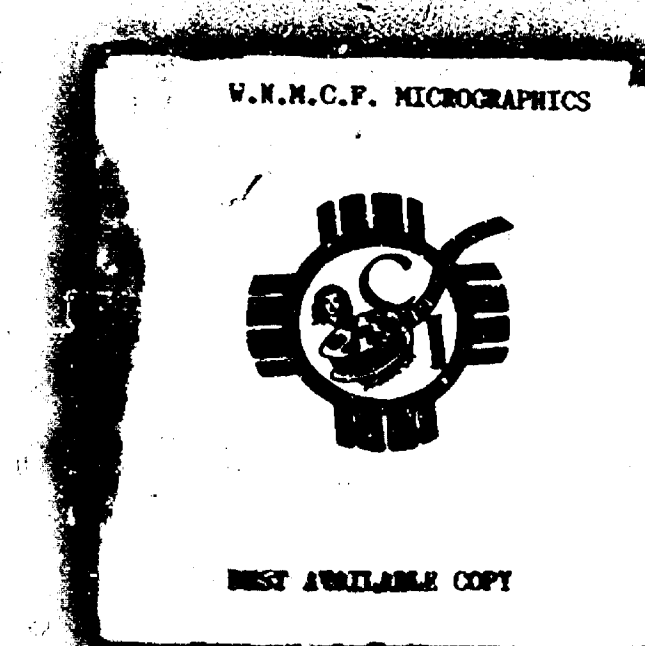


Case No.
2238

Large
Exhibits.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 100-1
SUNDY NOTICES AND REPORTS ON WELLS

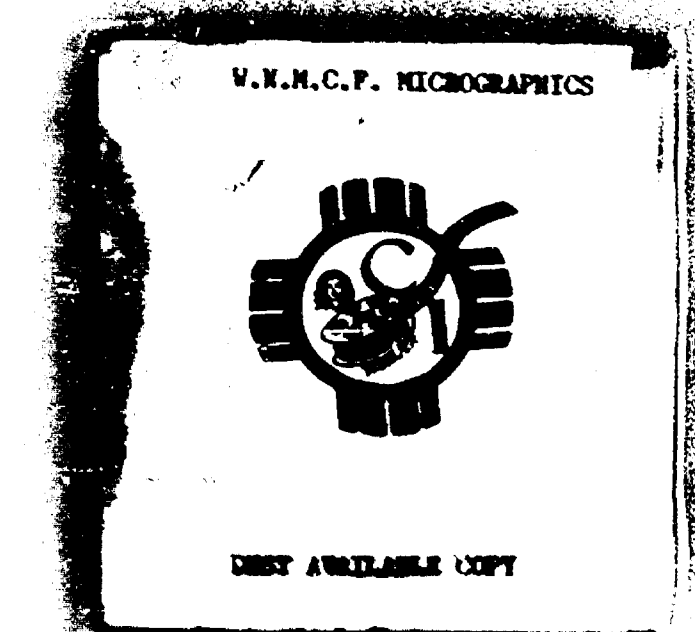
WELL No. Woolley 3rd is located 2310 ft. from N line and 4310 ft. from E line of sec. 31
 Twp. 31 Sec. 31 Range 17E Zone 20S Meridian 10W
 Locality Loco Hills County Rock State New Mexico

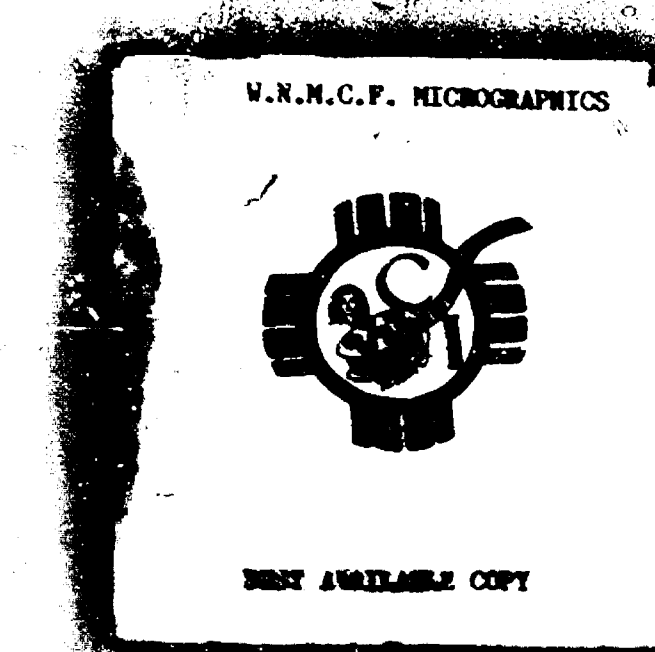
The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

March 27, 1951: 5-1/2" liner was set from 2000 to 2700 feet. 100 lb. cement was pumped through 2" tubing on bottom of liner and cement pumped through 2" tubing. This was 72 hours and was bailed out dry and tested before drilling. This required. This cement liner shut off Loco Hills pay. 7" casing was set at 2700 feet.

By Dr. J. W. [Signature]
 Title Superintendent



[illegible]

Bureau of Geology U.S. GEOLOGICAL SURVEY Washington, D.C. 20540	UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY
---	--

STANDARD INFORMATION

1. Name of well: _____

2. Location: _____

3. Date of completion: _____

4. Name of operator: _____

5. Name of owner: _____

6. Name of lessee: _____

7. Name of engineer: _____

8. Name of geologist: _____

9. Name of geophysicist: _____

10. Name of geologist-in-charge: _____

STANDARD INFORMATION

11. Name of well: _____

12. Location: _____

13. Date of completion: _____

14. Name of operator: _____

15. Name of owner: _____

16. Name of lessee: _____

17. Name of engineer: _____

18. Name of geologist: _____

19. Name of geophysicist: _____

20. Name of geologist-in-charge: _____

STANDARD INFORMATION

21. Name of well: _____

22. Location: _____

23. Date of completion: _____

24. Name of operator: _____

25. Name of owner: _____

26. Name of lessee: _____

27. Name of engineer: _____

28. Name of geologist: _____

29. Name of geophysicist: _____

30. Name of geologist-in-charge: _____

STANDARD INFORMATION

31. Name of well: _____

32. Location: _____

33. Date of completion: _____

34. Name of operator: _____

35. Name of owner: _____

36. Name of lessee: _____

37. Name of engineer: _____

38. Name of geologist: _____

39. Name of geophysicist: _____

40. Name of geologist-in-charge: _____

STANDARD INFORMATION

41. Name of well: _____

42. Location: _____

43. Date of completion: _____

44. Name of operator: _____

45. Name of owner: _____

46. Name of lessee: _____

47. Name of engineer: _____

48. Name of geologist: _____

49. Name of geophysicist: _____

50. Name of geologist-in-charge: _____

STANDARD INFORMATION

51. Name of well: _____

52. Location: _____

53. Date of completion: _____

54. Name of operator: _____

55. Name of owner: _____

56. Name of lessee: _____

57. Name of engineer: _____

58. Name of geologist: _____

59. Name of geophysicist: _____

60. Name of geologist-in-charge: _____

STANDARD INFORMATION

61. Name of well: _____

62. Location: _____

63. Date of completion: _____

64. Name of operator: _____

65. Name of owner: _____

66. Name of lessee: _____

67. Name of engineer: _____

68. Name of geologist: _____

69. Name of geophysicist: _____

70. Name of geologist-in-charge: _____

STANDARD INFORMATION

71. Name of well: _____

72. Location: _____

73. Date of completion: _____

74. Name of operator: _____

75. Name of owner: _____

76. Name of lessee: _____

77. Name of engineer: _____

78. Name of geologist: _____

79. Name of geophysicist: _____

80. Name of geologist-in-charge: _____

STANDARD INFORMATION

81. Name of well: _____

82. Location: _____

83. Date of completion: _____

84. Name of operator: _____

85. Name of owner: _____

86. Name of lessee: _____

87. Name of engineer: _____

88. Name of geologist: _____

89. Name of geophysicist: _____

90. Name of geologist-in-charge: _____

STANDARD INFORMATION

91. Name of well: _____

92. Location: _____

93. Date of completion: _____

94. Name of operator: _____

95. Name of owner: _____

96. Name of lessee: _____

97. Name of engineer: _____

98. Name of geologist: _____

99. Name of geophysicist: _____

100. Name of geologist-in-charge: _____

STANDARD INFORMATION

101. Name of well: _____

102. Location: _____

103. Date of completion: _____

104. Name of operator: _____

105. Name of owner: _____

106. Name of lessee: _____

107. Name of engineer: _____

108. Name of geologist: _____

109. Name of geophysicist: _____

110. Name of geologist-in-charge: _____

STANDARD INFORMATION

111. Name of well: _____

112. Location: _____

113. Date of completion: _____

114. Name of operator: _____

115. Name of owner: _____

116. Name of lessee: _____

117. Name of engineer: _____

118. Name of geologist: _____

119. Name of geophysicist: _____

120. Name of geologist-in-charge: _____

STANDARD INFORMATION

121. Name of well: _____

122. Location: _____

123. Date of completion: _____

124. Name of operator: _____

125. Name of owner: _____

126. Name of lessee: _____

127. Name of engineer: _____

128. Name of geologist: _____

129. Name of geophysicist: _____

130. Name of geologist-in-charge: _____

STANDARD INFORMATION

131. Name of well: _____

132. Location: _____

133. Date of completion: _____

134. Name of operator: _____

135. Name of owner: _____

136. Name of lessee: _____

137. Name of engineer: _____

138. Name of geologist: _____

139. Name of geophysicist: _____

140. Name of geologist-in-charge: _____

STANDARD INFORMATION

141. Name of well: _____

142. Location: _____

143. Date of completion: _____

144. Name of operator: _____

145. Name of owner: _____

146. Name of lessee: _____

147. Name of engineer: _____

148. Name of geologist: _____

149. Name of geophysicist: _____

150. Name of geologist-in-charge: _____

STANDARD INFORMATION

151. Name of well: _____

152. Location: _____

153. Date of completion: _____

154. Name of operator: _____

155. Name of owner: _____

156. Name of lessee: _____

157. Name of engineer: _____

158. Name of geologist: _____

159. Name of geophysicist: _____

160. Name of geologist-in-charge: _____

STANDARD INFORMATION

161. Name of well: _____

162. Location: _____

163. Date of completion: _____

164. Name of operator: _____

165. Name of owner: _____

166. Name of lessee: _____

167. Name of engineer: _____

168. Name of geologist: _____

169. Name of geophysicist: _____

170. Name of geologist-in-charge: _____

STANDARD INFORMATION

171. Name of well: _____

172. Location: _____

173. Date of completion: _____

174. Name of operator: _____

175. Name of owner: _____

176. Name of lessee: _____

177. Name of engineer: _____

178. Name of geologist: _____

179. Name of geophysicist: _____

180. Name of geologist-in-charge: _____

STANDARD INFORMATION

181. Name of well: _____

182. Location: _____

183. Date of completion: _____

184. Name of operator: _____

185. Name of owner: _____

186. Name of lessee: _____

187. Name of engineer: _____

188. Name of geologist: _____

189. Name of geophysicist: _____

190. Name of geologist-in-charge: _____

STANDARD INFORMATION

191. Name of well: _____

192. Location: _____

193. Date of completion: _____

194. Name of operator: _____

195. Name of owner: _____

196. Name of lessee: _____

197. Name of engineer: _____

198. Name of geologist: _____

199. Name of geophysicist: _____

200. Name of geologist-in-charge: _____

STANDARD INFORMATION

201. Name of well: _____

202. Location: _____

203. Date of completion: _____

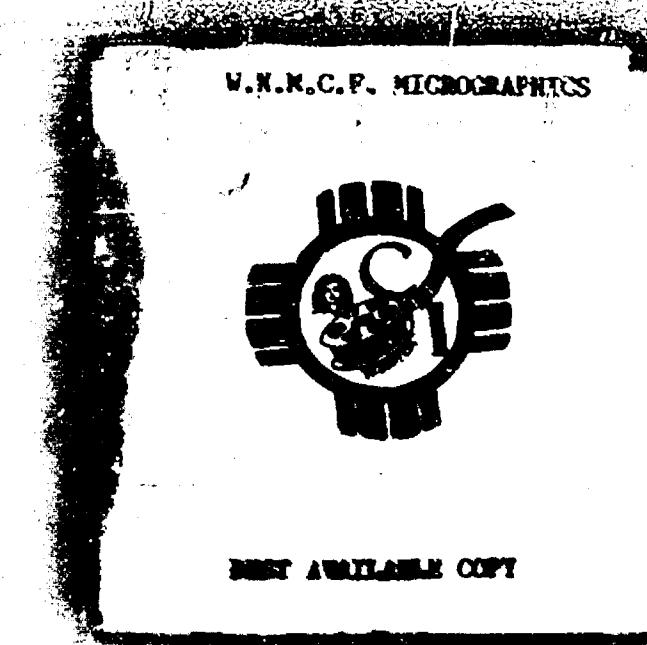
204. Name of operator: _____

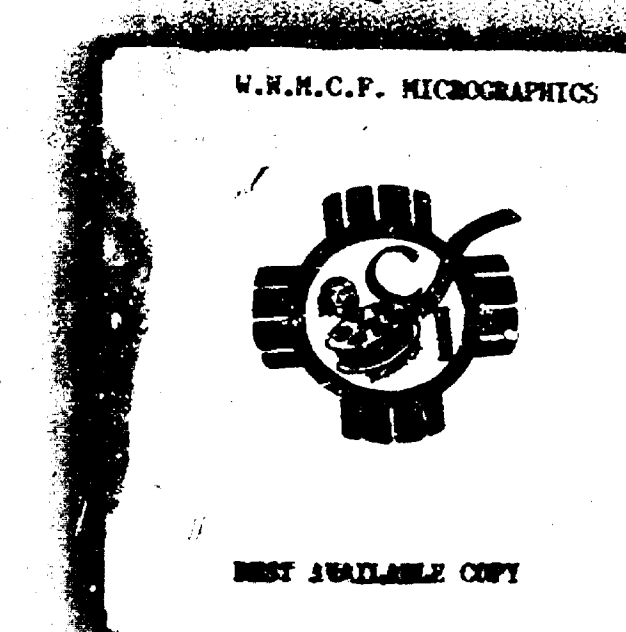
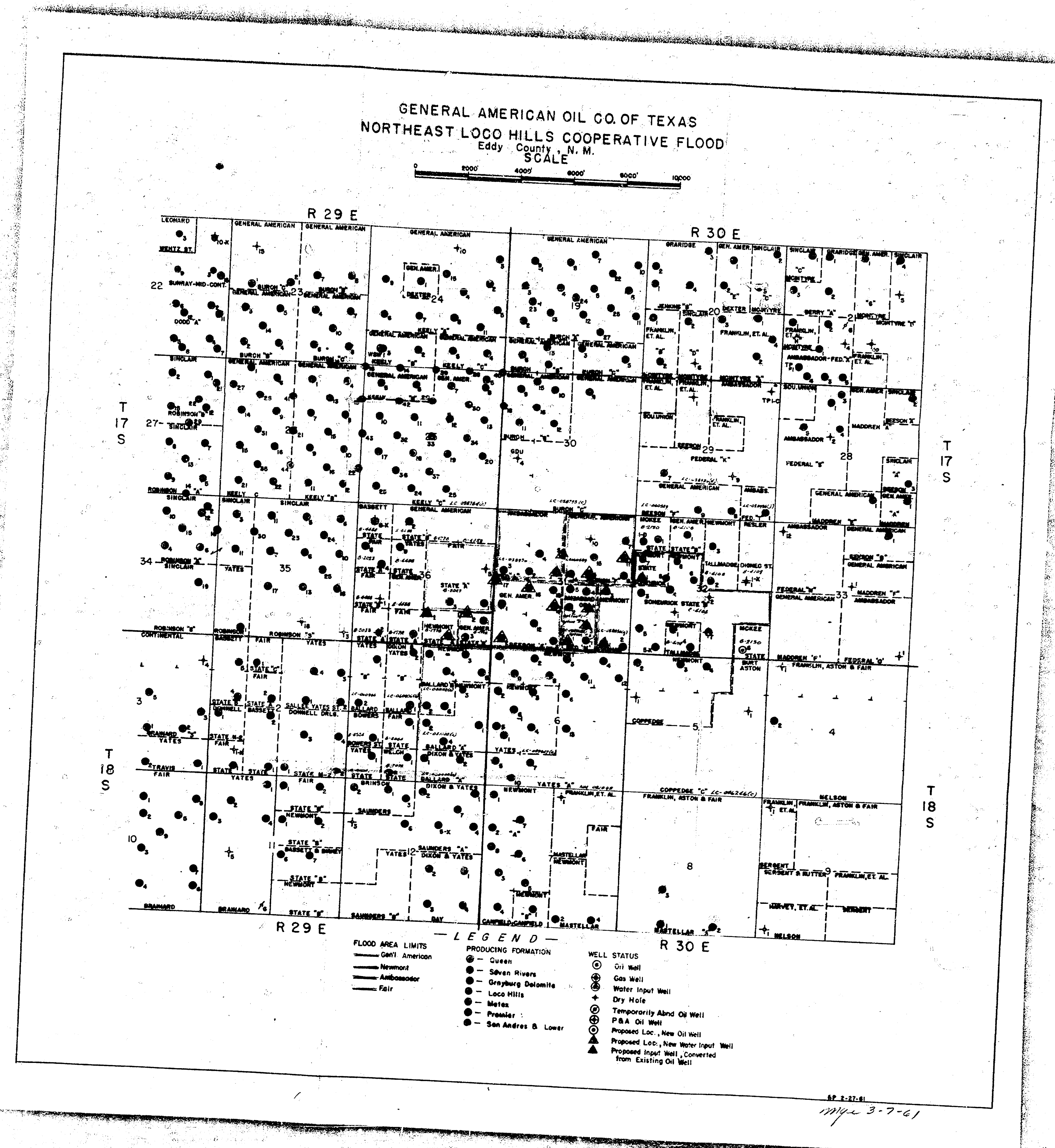
205. Name of owner: _____

206. Name of lessee: _____

207. Name of engineer: _____

208. Name of geologist: _____





Form 1-2-38

U.S. LAND OFFICE
BUREAU OF REVENUE
LEASE ON PLANT "10000"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Prudhoe Petroleum Corp. Address Atascadero, New Mexico
Lessor or Tract Prudhoe Field Atascadero State New Mexico
Well No. 2-7 Sec. 31 T. 17N R. 30E Meridian 107W County May
Location 330 ft. S. of S. Line and 330 ft. E. of M. Line of Sec. 31 Elevation 3564
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.

Date August 19, 1952 Title _____
The summary on this page is for the condition of the well at above date.
Commenced drilling June 20 1952 Finished drilling August 6 1952

OIL OR GAS SANDS OR ZONES
(Describe gas by G)

No. 1, from 1890 to 1890 No. 4, from _____ to _____
No. 2, from 2770 to 2790 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS
No. 1, from 360 to 365 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size	Depth	Material	Remarks	Depth of shoe	Cut and pulled from	Perforated	Notes
8 1/2"	0	Steel	505 1/2' Plug				
8 1/2"	2770	Steel	2770-92				

MUDDING AND CEMENTING RECORD

Size	Where set	Material	Method used	Weight	Amount of mud used
8 1/2"	2770	Ballston	Heavy	100	100

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shall used	Explosive used	Quantity	Rate	Depth shot	Depth charged
8 1/2"	Ballston	100 gals. S-11	2770-92		2792	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

Put to producing August 6 1952
The production for the first 24 hours was 150 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, 74
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller _____
Diller _____

FORMATION RECORD

FROM	TO	THICKNESS	DESCRIPTION
0	30	30	Red Sand
30	70	40	Red Sand
70	130	60	Red sand and red beds
130	180	50	Red sandy shale
180	280	100	Red beds
280	350	70	Qry
350	420	70	Qry and red beds - Water at 360.
420	430	10	Red beds
430	440	10	Qry
440	450	10	Red beds
450	1095	645	Silt - Red 505 1/2' of 8 1/2" casing.
1095	1200	105	Argillite
1200	1280	80	Red Sand
1280	1300	20	Argillite
1300	1320	20	Argillite
1320	1340	20	Argillite
1340	1360	20	Argillite
1360	1380	20	Argillite
1380	1400	20	Argillite
1400	1420	20	Argillite
1420	1440	20	Argillite
1440	1460	20	Argillite
1460	1480	20	Argillite
1480	1500	20	Argillite
1500	1520	20	Argillite
1520	1540	20	Argillite
1540	1560	20	Argillite
1560	1580	20	Argillite
1580	1600	20	Argillite
1600	1620	20	Argillite
1620	1640	20	Argillite
1640	1660	20	Argillite
1660	1680	20	Argillite
1680	1700	20	Argillite
1700	1720	20	Argillite
1720	1740	20	Argillite
1740	1760	20	Argillite
1760	1780	20	Argillite
1780	1800	20	Argillite
1800	1820	20	Argillite
1820	1840	20	Argillite
1840	1860	20	Argillite
1860	1880	20	Argillite
1880	1900	20	Argillite
1900	1920	20	Argillite
1920	1940	20	Argillite
1940	1960	20	Argillite
1960	1980	20	Argillite
1980	2000	20	Argillite

Form 1-2-38

U.S. LAND OFFICE
BUREAU OF REVENUE
LEASE ON PLANT "10000"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company General American Oil Co. of Texas Address Box 114, Los Hills, New Mexico
Lessor or Tract Prudhoe Field Atascadero State New Mexico
Well No. 2-7 Sec. 31 T. 17N R. 30E Meridian 107W County May
Location 330 ft. S. of S. Line and 330 ft. E. of M. Line of Sec. 31 Elevation 3564
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.

Date October 8, 1952 Title _____
The summary on this page is for the condition of the well at above date.
Commenced drilling June 20 1952 Finished drilling September 30 1952

OIL OR GAS SANDS OR ZONES
(Describe gas by G)

No. 1, from 307 to 307 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS
No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size	Depth	Material	Remarks	Depth of shoe	Cut and pulled from	Perforated	Notes
8 1/2"	0	Steel	505 1/2' Plug				
8 1/2"	2640	Steel	2640-92				

MUDDING AND CEMENTING RECORD

Size	Where set	Material	Method used	Weight	Amount of mud used
8 1/2"	2640	Ballston	Heavy	100	100

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shall used	Explosive used	Quantity	Rate	Depth shot	Depth charged
8 1/2"	Ballston	221 gals. S-11	3074-92		3067	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

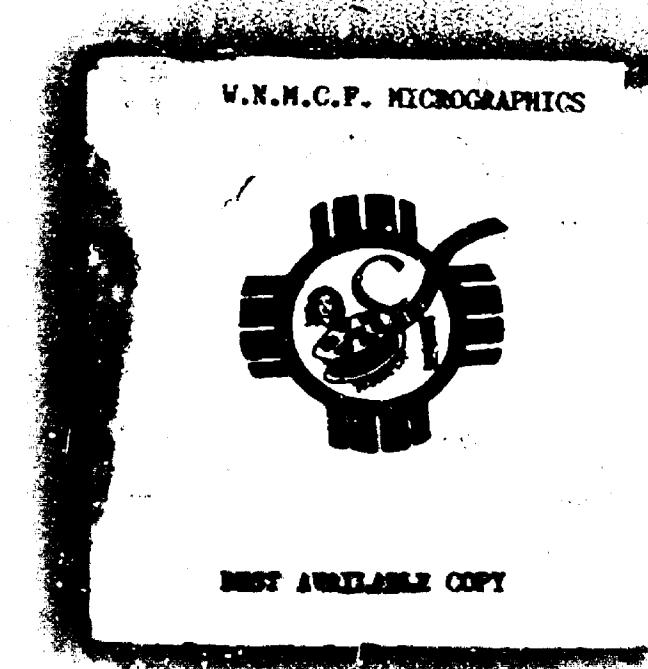
Put to producing September 30, 1952 1952
The production for the first 24 hours was _____ barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, 77 API 36.0
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller Y. Richardson
Diller L. W. Imbottier

FORMATION RECORD

FROM	TO	THICKNESS	DESCRIPTION
2831	2844	13	Sandy lime
2844	2845	1	Lime
2845	2849	4	Gray lime
2849	2853	4	Lime
2853	2810	37	Gray lime
2810	2907	97	Lime
2907	2978	71	Gray lime
2978	2998	20	Gray lime
2998	3011	13	Gray lime
3011	3023	12	Gray & Gray lime
3023	3048	25	Gray sandy lime
3048	3059	11	Gray lime
3059	3068	9	Sand
3068	3070	2	Sand
3070	3085	15	White lime



FORMATION RECORD—Continued

DEPTH	TIME	TOTAL TIME	FORMATION
100	10:00	10:00	100
101	10:01	10:01	101
102	10:02	10:02	102
103	10:03	10:03	103
104	10:04	10:04	104
105	10:05	10:05	105
106	10:06	10:06	106
107	10:07	10:07	107
108	10:08	10:08	108
109	10:09	10:09	109
110	10:10	10:10	110
111	10:11	10:11	111
112	10:12	10:12	112
113	10:13	10:13	113
114	10:14	10:14	114
115	10:15	10:15	115
116	10:16	10:16	116
117	10:17	10:17	117
118	10:18	10:18	118
119	10:19	10:19	119
120	10:20	10:20	120
121	10:21	10:21	121
122	10:22	10:22	122
123	10:23	10:23	123
124	10:24	10:24	124
125	10:25	10:25	125
126	10:26	10:26	126
127	10:27	10:27	127
128	10:28	10:28	128
129	10:29	10:29	129
130	10:30	10:30	130
131	10:31	10:31	131
132	10:32	10:32	132
133	10:33	10:33	133
134	10:34	10:34	134
135	10:35	10:35	135
136	10:36	10:36	136
137	10:37	10:37	137
138	10:38	10:38	138
139	10:39	10:39	139
140	10:40	10:40	140
141	10:41	10:41	141
142	10:42	10:42	142
143	10:43	10:43	143
144	10:44	10:44	144
145	10:45	10:45	145
146	10:46	10:46	146
147	10:47	10:47	147
148	10:48	10:48	148
149	10:49	10:49	149
150	10:50	10:50	150
151	10:51	10:51	151
152	10:52	10:52	152
153	10:53	10:53	153
154	10:54	10:54	154
155	10:55	10:55	155
156	10:56	10:56	156
157	10:57	10:57	157
158	10:58	10:58	158
159	10:59	10:59	159
160	11:00	11:00	160
161	11:01	11:01	161
162	11:02	11:02	162
163	11:03	11:03	163
164	11:04	11:04	164
165	11:05	11:05	165
166	11:06	11:06	166
167	11:07	11:07	167
168	11:08	11:08	168
169	11:09	11:09	169
170	11:10	11:10	170
171	11:11	11:11	171
172	11:12	11:12	172
173	11:13	11:13	173
174	11:14	11:14	174
175	11:15	11:15	175
176	11:16	11:16	176
177	11:17	11:17	177
178	11:18	11:18	178
179	11:19	11:19	179
180	11:20	11:20	180
181	11:21	11:21	181
182	11:22	11:22	182
183	11:23	11:23	183
184	11:24	11:24	184
185	11:25	11:25	185
186	11:26	11:26	186
187	11:27	11:27	187
188	11:28	11:28	188
189	11:29	11:29	189
190	11:30	11:30	190
191	11:31	11:31	191
192	11:32	11:32	192
193	11:33	11:33	193
194	11:34	11:34	194
195	11:35	11:35	195
196	11:36	11:36	196
197	11:37	11:37	197
198	11:38	11:38	198
199	11:39	11:39	199
200	11:40	11:40	200
201	11:41	11:41	201
202	11:42	11:42	202
203	11:43	11:43	203
204	11:44	11:44	204
205	11:45	11:45	205
206	11:46	11:46	206
207	11:47	11:47	207
208	11:48	11:48	208
209	11:49	11:49	209
210	11:50	11:50	210
211	11:51	11:51	211
212	11:52	11:52	212
213	11:53	11:53	213
214	11:54	11:54	214
215	11:55	11:55	215
216	11:56	11:56	216
217	11:57	11:57	217
218	11:58	11:58	218
219	11:59	11:59	219
220	12:00	12:00	220
221	12:01	12:01	221
222	12:02	12:02	222
223	12:03	12:03	223
224	12:04	12:04	224
225	12:05	12:05	225
226	12:06	12:06	226
227	12:07	12:07	227
228	12:08	12:08	228
229	12:09	12:09	229
230	12:10	12:10	230
231	12:11	12:11	231
232	12:12	12:12	232
233	12:13	12:13	233
234	12:14	12:14	234
235	12:15	12:15	235
236	12:16	12:16	236
237	12:17	12:17	237
238	12:18	12:18	238
239	12:19	12:19	239
240	12:20	12:20	240
241	12:21	12:21	241
242	12:22	12:22	242
243	12:23	12:23	243
244	12:24	12:24	244
245	12:25	12:25	245
246	12:26	12:26	246
247	12:27	12:27	247
248	12:28	12:28	248
249	12:29	12:29	249
250	12:30	12:30	250
251	12:31	12:31	251
252	12:32	12:32	252
253	12:33	12:33	253
254	12:34	12:34	254
255	12:35	12:35	255
256	12:36	12:36	256
257	12:37	12:37	257
258	12:38	12:38	258
259	12:39	12:39	259
260	12:40	12:40	260
261	12:41	12:41	261
262	12:42	12:42	262
263	12:43	12:43	263
264	12:44	12:44	264
265	12:45	12:45	265
266	12:46	12:46	266
267	12:47	12:47	267
268	12:48	12:48	268
269	12:49	12:49	269
270	12:50	12:50	270
271	12:51	12:51	271
272	12:52	12:52	272
273	12:53	12:53	273
274	12:54	12:54	274
275	12:55	12:55	275
276	12:56	12:56	276
277	12:57	12:57	277
278	12:58	12:58	278
279	12:59	12:59	279
280	13:00	13:00	280
281	13:01	13:01	281
282	13:02	13:02	282
283	13:03	13:03	283
284	13:04	13:04	284
285	13:05	13:05	285
286	13:06	13:06	286
287	13:07	13:07	287
288	13:08	13:08	288
289	13:09	13:09	289
290	13:10	13:10	290
291	13:11	13:11	291
292	13:12	13:12	292
293	13:13	13:13	293
294	13:14	13:14	294
295	13:15	13:15	295
296	13:16	13:16	296
297	13:17	13:17	297
298	13:18	13:18	298
299	13:19	13:19	299
300	13:20	13:20	300
301	13:21	13:21	301
302	13:22	13:22	302
303	13:23	13:23	303
304	13:24	13:24	304
305	13:25	13:25	305
306	13:26	13:26	306
307	13:27	13:27	307
308	13:28	13:28	308
309	13:29	13:29	309
310	13:30	13:30	310
311	13:31	13:31	311
312	13:32	13:32	312
313	13:33	13:33	313
314	13:34	13:34	314
315	13:35	13:35	315
316	13:36	13:36	316
317	13:37	13:37	317
318	13:38	13:38	318
319	13:39	13:39	319
320	13:40	13:40	320
321	13:41	13:41	321
322	13:42	13:42	322
323	13:43	13:43	323
324	13:44	13:44	324
325	13:45	13:45	325
326	13:46	13:46	326
327	13:47	13:47	327
328	13:48	13:48	328
329	13:49	13:49	329
330	13:50	13:50	330
331	13:51	13:51	331
332	13:52	13:52	332
333	13:53	13:53	333
334	13:54	13:54	334
335	13:55	13:55	335
336	13:56	13:56	336
337	13:57	13:57	337
338	13:58	13:58	338
339	13:59	13:59	339
340	14:00	14:00	340
341	14:01	14:01	341
342	14:02	14:02	342
343	14:03	14:03	343
344	14:04	14:04	344
345	14:05	14:05	345
346	14:06	14:06	346
347	14:07	14:07	347
348	14:08	14:08	348
349	14:09	14:09	349
350	14:10	14:10	350
351	14:11	14:11	351
352	14:12	14:12	352
353	14:13	14:13	353
354	14:14	14:14	354
355	14:15	14:15	355
356	14:16	14:16	356
357	14:17	14:17	357
358	14:18	14:18	358
359	14:19	14:19	359
360	14:20	14:20	360
361	14:21	14:21	361
362	14:22	14:22	362
363	14:23	14:23	363
364	14:24	14:24	364
365	14:25	14:25	365
366	14:26	14:26	366
367	14:27	14:27	367
368	14:28	14:28	368
369	14:29	14:29	369
370	14:30	14:30	370
371	14:31	14:31	371
372	14:32	14:32	372
373	14:33	14:33	373
374	14:34	14:34	374
375	14:35	14:35	375
376	14:36	14:36	376
377	14:37	14:37	377
378	14:38	14:38	378
379	14:39	14:39	379
380	14:40	14:40	380
381	14:41	14:41	381
382	14:42	14:42	382
383	14:43	14:43	383
384	14:44	14:44	384
385	14:45	14:45	385
386	14:46	14:46	386
387	14:47	14:47	387
388	14:48	14:48	388
389	14:49	14:49	389
390	14:50	14:50	390
391	14:51	14:51	391
392	14:52	14:52	392
393	14:53	14:53	393
394	14:54	14:54	394
395	14:55	14:55	395
396	14:56	14:56	396
397	14:57	14:57	397
398	14:58	14:58	398
399	14:59	14:	

Form 1-2-55

RECEIVED
MAR 6 1951
U.S. GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Frederick Petroleum Corp. Address Artesia, New Mexico
 Lessor or Tract Section 31, T. 17 N. R. 30 E. Meridian 1 State New Mexico
 Well No. 1 Sec. 31 T. 17 N. R. 30 E. Meridian 1 County Albany
 Location 1550 ft. of 8. Line and 2310 ft. of M. Line of 30. 31 Elevation 3560
 The information given hereunder is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Date March 4, 1950 Title _____
 The summary on this page is for the condition of the well at above date.
 Commenced drilling January 13, 1950 Finished drilling February 22, 1950

OIL OR GAS SANDS OR ZONES
 (Describe gas by G.)
 No. 1, from 2812 to 2831 No. 2, from _____ to _____
 No. 3, from _____ to _____ No. 4, from _____ to _____
 No. 5, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS
 No. 1, from 360 to 365 No. 2, from _____ to _____
 No. 3, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size	Weight	Length	Make	Amount	Kind of shoe	Out and pulled from	Remarks	Depth	Purpose
5 1/8"	16.8	20	Steel	453.3	None	None	None	2812	Production
5 1/8"	16.8	20	Steel	453.3	None	None	None	2812	Production

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size	Weight	Length	Make	Amount	Kind of shoe	Out and pulled from	Remarks	Depth	Purpose
5 1/8"	16.8	20	Steel	453.3	None	None	None	2812	Production

PLUGS AND ADAPTERS

SHOOTING RECORD

Size	Weight	Length	Make	Amount	Kind of shoe	Out and pulled from	Remarks	Depth	Purpose
5 1/8"	16.8	20	Steel	453.3	None	None	None	2812	Production

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil, _____%
 emulsion, _____% water, and _____% sediment. Gravity, _____°Bé. _____°C. _____°F.
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

V. H. Berry Driller Harold Hanson Driller
W. H. Lachester Driller G. C. Connor Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	50	50	Shale and red bed
50	100	100	Shale, gyp and red bed
100	200	200	Red bed
200	225	225	Red bed and gyp
225	310	310	Gyp
310	415	415	Red bed and gyp
415	475	475	Red bed
475	1120	645	Shale
1120	1235	115	Shale
1235	1310	75	Shale
1310	1340	30	Shale and shale
1340	1400	60	Shale and brown shale
1400	1435	35	Shale and brown shale
1435	1455	20	Shale
1455	2025	570	Shale and brown shale
2025	2050	25	Shale
2050	2100	50	Shale
2100	2125	25	Shale and brown shale
2125	2145	20	Shale
2145	2160	15	Shale
2160	2180	20	Shale
2180	2200	20	Shale
2200	2220	20	Shale
2220	2240	20	Shale
2240	2260	20	Shale
2260	2280	20	Shale
2280	2300	20	Shale
2300	2320	20	Shale
2320	2340	20	Shale
2340	2360	20	Shale
2360	2380	20	Shale
2380	2400	20	Shale
2400	2420	20	Shale
2420	2440	20	Shale
2440	2460	20	Shale
2460	2480	20	Shale
2480	2500	20	Shale
2500	2520	20	Shale
2520	2540	20	Shale

Form 1-2-55

RECEIVED
MAR 6 1951
U.S. GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company General American Oil Co. of Texas Address Box 414, Lone Hills, New Mexico
 Lessor or Tract Section 31, T. 17 N. R. 30 E. Meridian 1 State New Mexico
 Well No. 1 Sec. 31 T. 17 N. R. 30 E. Meridian 1 County Albany
 Location 2310 ft. of 8. Line and 2450 ft. of M. Line of 30. 31 Elevation 3560
 The information given hereunder is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Date May 21, 1951 Title _____
 The summary on this page is for the condition of the well at above date.
 Commenced drilling May 1, 1951 Finished drilling May 31, 1951

OIL OR GAS SANDS OR ZONES
 (Describe gas by G.)
 No. 1, from 3035 to 3041 (G) No. 2, from _____ to _____
 No. 3, from 3058 to 3060 No. 4, from _____ to _____
 No. 5, from 3075 to 3090 No. 6, from _____ to _____

IMPORTANT WATER SANDS
 No. 1, from _____ to _____ No. 2, from _____ to _____
 No. 3, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size	Weight	Length	Make	Amount	Kind of shoe	Out and pulled from	Remarks	Depth	Purpose
5 1/8"	16.8	20	Steel	453.3	None	None	None	2812	Production

MUDDING AND CEMENTING RECORD

Size	Weight	Length	Make	Amount	Kind of shoe	Out and pulled from	Remarks	Depth	Purpose
5 1/8"	16.8	20	Steel	453.3	None	None	None	2812	Production

PLUGS AND ADAPTERS

SHOOTING RECORD

Size	Weight	Length	Make	Amount	Kind of shoe	Out and pulled from	Remarks	Depth	Purpose
5 1/8"	16.8	20	Steel	453.3	None	None	None	2812	Production

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil, _____%
 emulsion, _____% water, and _____% sediment. Gravity, _____°Bé. _____°C. _____°F.
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

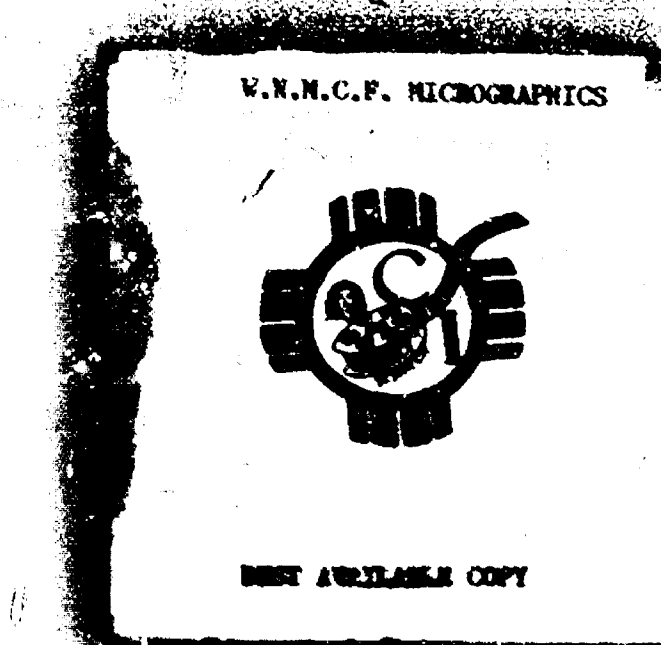
Osney Burch Driller V. A. Richardson Driller
L. W. Lachester Driller Albert Williams Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
2951	2991	40	Gray lime
2991	2997	6	Shale
2997	3004	7	Gray lime
3004	3022	18	Thin lime
3022	3027	5	Gray lime
3027	3044	17	Shale & lime
3044	3075	31	Lime
3075	3085	10	Shale & lime
3085	3092	7	Shale
3092	3101	9	Lime



FORMATION RECORD-Continued			
WELL NO.	DATE	TOTAL FEET	FORMATION
2001	1935	10	1000
2002	1935	10	1000
2003	1935	10	1000
2004	1935	10	1000
2005	1935	10	1000
2006	1935	10	1000
2007	1935	10	1000
2008	1935	10	1000
2009	1935	10	1000
2010	1935	10	1000
2011	1935	10	1000
2012	1935	10	1000
2013	1935	10	1000
2014	1935	10	1000
2015	1935	10	1000
2016	1935	10	1000
2017	1935	10	1000
2018	1935	10	1000
2019	1935	10	1000
2020	1935	10	1000
2021	1935	10	1000
2022	1935	10	1000
2023	1935	10	1000
2024	1935	10	1000
2025	1935	10	1000
2026	1935	10	1000
2027	1935	10	1000
2028	1935	10	1000
2029	1935	10	1000
2030	1935	10	1000
2031	1935	10	1000
2032	1935	10	1000
2033	1935	10	1000
2034	1935	10	1000
2035	1935	10	1000
2036	1935	10	1000
2037	1935	10	1000
2038	1935	10	1000
2039	1935	10	1000
2040	1935	10	1000
2041	1935	10	1000
2042	1935	10	1000
2043	1935	10	1000
2044	1935	10	1000
2045	1935	10	1000
2046	1935	10	1000
2047	1935	10	1000
2048	1935	10	1000
2049	1935	10	1000
2050	1935	10	1000
2051	1935	10	1000
2052	1935	10	1000
2053	1935	10	1000
2054	1935	10	1000
2055	1935	10	1000
2056	1935	10	1000
2057	1935	10	1000
2058	1935	10	1000
2059	1935	10	1000
2060	1935	10	1000
2061	1935	10	1000
2062	1935	10	1000
2063	1935	10	1000
2064	1935	10	1000
2065	1935	10	1000
2066	1935	10	1000
2067	1935	10	1000
2068	1935	10	1000
2069	1935	10	1000
2070	1935	10	1000
2071	1935	10	1000
2072	1935	10	1000
2073	1935	10	1000
2074	1935	10	1000
2075	1935	10	1000
2076	1935	10	1000
2077	1935	10	1000
2078	1935	10	1000
2079	1935	10	1000
2080	1935	10	1000
2081	1935	10	1000
2082	1935	10	1000
2083	1935	10	1000
2084	1935	10	1000
2085	1935	10	1000
2086	1935	10	1000
2087	1935	10	1000
2088	1935	10	1000
2089	1935	10	



Form 9-500

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company: **Frontier Petroleum Corp.** Address: **Artesia, New Mexico**

Lessor or Tract: **Section 31, T. 17 N., R. 30 E., Meridian 30N, County: **San Juan**, State: **New Mexico****

Well No.: **5-2** Location: **1/2 Sec. 31, T. 17 N., R. 30 E., Meridian 30N, County: **San Juan**, State: **New Mexico****

Location: **1/2 Sec. 31, T. 17 N., R. 30 E., Meridian 30N, County: **San Juan**, State: **New Mexico****

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date: **April 20, 1940** Title: **Oil and Gas**

The summary on this page is for the condition of the well at above date:

Commenced drilling: **March 10, 1940** Finished drilling: **April 19, 1940**

OIL OR GAS SANDS OR ZONES

No. 1, from **1610** to **1615** Gas & oil show No. 4, from **1615** to **1620**

No. 2, from **2308** to **2310** Gas & oil show No. 5, from **2310** to **2315**

No. 3, from **2631** to **2635** Gas & oil show No. 6, from **2635** to **2640**

IMPORTANT WATER SANDS

No. 1, from **350** to **360** Water No. 3, from **360** to **370**

No. 2, from **370** to **380** Water No. 4, from **380** to **390**

CASING RECORD

Size: **8 1/2"** Weight: **22.2** Length: **100** Depth set: **100**

MUDDING AND CEMENTING RECORD

Weight: **50** Method used: **Ballston Heavy** Amount of mud used: **50**

PLUGS AND ADAPTERS

Heaving plug—Material: **Ballston Heavy** Length: **100** Depth set: **100**

ADAPTERS—Material: **Ballston Heavy** Length: **100** Depth set: **100**

SHOOTING RECORD

Size: **8 1/2"** Weight: **22.2** Length: **100** Depth set: **100**

TOOLS USED

Rotary tools were used from **0** feet to **1610** feet, and from **1615** feet to **2631** feet

Cable tools were used from **0** feet to **1610** feet, and from **1615** feet to **2631** feet

DATE

Put to producing: **April 19, 1940**

The production for the first 24 hours was **50** barrels of fluid of which **100** % was oil; **0** % was water; and **0** % sediment.

If gas well, cu. ft. per 24 hours: **0** Gallons gasoline per 1,000 cu. ft. of gas: **0**

Rock pressure, lbs. per sq. in.: **0**

EMPLOYEES

Driller: **P. A. Harbo** Driller: **P. A. Harbo**

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	50	50	Red sand and ssp
50	160	110	Red sand
160	210	50	Red sand and mud
210	360	150	Any. - Water at 350-40
360	455	95	Red sand
455	1050	595	Salt Sat 61st or 62nd pipe
1050	1100	50	Salt and Any. shells
1100	1110	10	Salt
1110	1810	700	Any. - Show of oil and gas
1810	1815	5	Any.
1815	2000	185	Any. and shale
2000	2030	30	Any.
2030	2035	5	Any.
2035	2105	70	Any. and brown shale
2105	2210	105	Any.
2210	2308	98	Any. and brown shale
2308	2344	36	Red sand - Gas & oil show 2308-2340
2344	2631	287	Any.
2631	2635	4	Any.
2635	2640	5	Any.
2640	2645	5	Any.
2645	2650	5	Any.
2650	2655	5	Any.
2655	2660	5	Any.
2660	2665	5	Any.
2665	2670	5	Any.
2670	2675	5	Any.
2675	2680	5	Any.
2680	2685	5	Any.
2685	2690	5	Any.
2690	2695	5	Any.
2695	2700	5	Any.
2700	2705	5	Any.
2705	2710	5	Any.
2710	2715	5	Any.
2715	2720	5	Any.
2720	2725	5	Any.
2725	2730	5	Any.
2730	2735	5	Any.
2735	2740	5	Any.
2740	2745	5	Any.
2745	2750	5	Any.
2750	2755	5	Any.
2755	2760	5	Any.
2760	2765	5	Any.
2765	2770	5	Any.
2770	2775	5	Any.
2775	2780	5	Any.
2780	2785	5	Any.
2785	2790	5	Any.
2790	2795	5	Any.
2795	2800	5	Any.
2800	2805	5	Any.
2805	2810	5	Any.
2810	2815	5	Any.
2815	2820	5	Any.
2820	2825	5	Any.
2825	2830	5	Any.
2830	2835	5	Any.
2835	2840	5	Any.
2840	2845	5	Any.
2845	2850	5	Any.
2850	2855	5	Any.
2855	2860	5	Any.
2860	2865	5	Any.
2865	2870	5	Any.
2870	2875	5	Any.
2875	2880	5	Any.
2880	2885	5	Any.
2885	2890	5	Any.
2890	2895	5	Any.
2895	2900	5	Any.
2900	2905	5	Any.
2905	2910	5	Any.
2910	2915	5	Any.
2915	2920	5	Any.
2920	2925	5	Any.
2925	2930	5	Any.
2930	2935	5	Any.
2935	2940	5	Any.
2940	2945	5	Any.
2945	2950	5	Any.
2950	2955	5	Any.
2955	2960	5	Any.
2960	2965	5	Any.
2965	2970	5	Any.
2970	2975	5	Any.
2975	2980	5	Any.
2980	2985	5	Any.
2985	2990	5	Any.
2990	2995	5	Any.
2995	3000	5	Any.

Form 9-500

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company: **General American Oil Co. of Texas** Address: **Box 116, Lone Hills, New Mexico**

Lessor or Tract: **Section 31, T. 17 N., R. 30 E., Meridian 30N, County: **San Juan**, State: **New Mexico****

Well No.: **11** Location: **1/2 Sec. 31, T. 17 N., R. 30 E., Meridian 30N, County: **San Juan**, State: **New Mexico****

Location: **1/2 Sec. 31, T. 17 N., R. 30 E., Meridian 30N, County: **San Juan**, State: **New Mexico****

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date: **May 10, 1932** Title: **Oil and Gas**

The summary on this page is for the condition of the well at above date:

Commenced drilling: **March 21, 1932** Finished drilling: **May 1, 1932**

OIL OR GAS SANDS OR ZONES

No. 1, from **1822** to **1834** No. 4, from **3074** to **3085**

No. 2, from **2421** to **2426** No. 5, from **2426** to **2431**

No. 3, from **2630** to **2644** No. 6, from **2644** to **2649**

IMPORTANT WATER SANDS

No. 1, from **360** to **370** No. 3, from **370** to **380**

No. 2, from **380** to **390** No. 4, from **390** to **400**

CASING RECORD

Size: **8 1/2"** Weight: **22.2** Length: **100** Depth set: **100**

MUDDING AND CEMENTING RECORD

Weight: **50** Method used: **Ballston Heavy** Amount of mud used: **50**

PLUGS AND ADAPTERS

Heaving plug—Material: **Ballston Heavy** Length: **100** Depth set: **100**

ADAPTERS—Material: **Ballston Heavy** Length: **100** Depth set: **100**

SHOOTING RECORD

Size: **8 1/2"** Weight: **22.2** Length: **100** Depth set: **100**

TOOLS USED

Rotary tools were used from **0** feet to **1822** feet, and from **1834** feet to **2630** feet

Cable tools were used from **0** feet to **1822** feet, and from **1834** feet to **2630** feet

DATE

Put to producing: **May 7, 1932**

The production for the first 24 hours was **100** barrels of fluid of which **100** % was oil; **0** % was water; and **0** % sediment.

If gas well, cu. ft. per 24 hours: **0** Gallons gasoline per 1,000 cu. ft. of gas: **0**

Rock pressure, lbs. per sq. in.: **0**

EMPLOYEES

Driller: **G. C. Pratt** Driller: **G. C. Pratt**

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	50	50	Red & Red Med
50	110	60	Red & Red Med
110	160	50	Red & Red Med
160	210	50	Red & Red Med
210	260	50	Red & Red Med
260	310	50	Red & Red Med
310	360	50	Red & Red Med
360	410	50	Red & Red Med
410	460	50	Red & Red Med
460	510	50	Red & Red Med
510	560	50	Red & Red Med
560	610	50	Red & Red Med
610	660	50	Red & Red Med
660	710	50	Red & Red Med
710	760	50	Red & Red Med
760	810	50	Red & Red Med
810	860	50	Red & Red Med
860	910	50	Red & Red Med
910	960	50	Red & Red Med
960	1010	50	Red & Red Med
1010	1060	50	Red & Red Med
1060	1110	50	Red & Red Med
1110	1160	50	Red & Red Med
1160	1210	50	Red & Red Med
1210	1260	50	Red & Red Med
1260	1310	50	Red & Red Med
1310	1360	50	Red & Red Med
1360	1410	50	Red & Red Med
1410	1460	50	Red & Red Med
1460	1510	50	Red & Red Med
1510	1560	50	Red & Red Med
1560	1610	50	Red & Red Med
1610	1660	50	Red & Red Med
1660	1710	50	Red & Red Med
1710	1760	50	Red & Red Med
1760	1810	50	Red & Red Med
1810	1822	12	Red & Red Med
1822	1834	12	Red & Red Med
1834	1846	12	Red & Red Med
1846	1858	12	Red & Red Med
1858	1870	12	Red & Red Med
1870	1882	12	Red & Red Med
1882	1894	12	Red & Red Med
1894	1906	12	Red & Red Med
1906	1918	12	Red & Red Med
1918	1930	12	Red & Red Med
1930	1942	12	Red & Red Med
1942	1954	12	Red & Red Med
1954	1966	12	Red & Red Med
1966	1978	12	Red & Red Med
1978	1990	12	Red & Red Med
1990	2002	12	Red & Red Med
2002	2014	12	Red & Red Med
2014	2026	12	Red & Red Med
2026	2038	12	Red & Red Med
2038	2050	12	Red & Red Med
2050	2062	12	Red & Red Med
2062	2074	12	Red & Red Med
2074	2086	12	Red & Red Med
2086	2098	12	Red & Red Med
2098	2110	12	Red & Red Med
2110	2122	12	Red & Red Med
2122	2134	12	Red & Red Med
2134	2146	12	Red & Red Med
2146	2158	12	Red & Red Med
2158	2170	12	Red & Red Med
2170	2182	12	Red & Red Med
2182	2194	12	Red & Red Med
2194	2206	12	Red & Red Med
2206	2218	12	Red & Red Med
2218	2230	12	Red & Red Med
2230	2242	12	Red & Red Med
2242	2254	12	Red & Red Med
2254	2266	12	Red & Red Med
2266	2278	12	Red & Red Med
2278	2290	12	Red & Red Med
2290	2302	12	Red & Red Med
2302	2314	12	Red & Red Med
2314	2326	12	Red & Red Med
2326	2338	12	Red & Red Med
2338	2350	12	Red & Red Med
2350	2362	12	Red & Red Med
2362	2374	12	Red & Red Med
2374	2386	12	Red & Red Med
2386	2398	12	Red & Red Med
2398	2410	12	Red & Red Med
2410	2422	12	Red & Red Med
2422	2434	12	Red & Red Med
2434	2446	12	Red & Red Med
2446	2458	12	Red & Red Med
2458	2470	12	Red & Red Med
2470	2482	12	Red & Red Med
2482	2494	12	Red & Red Med
2494	2506	12	Red & Red Med
2506	2518	12	Red & Red Med
2518	2530	12	Red & Red Med
2530	2542	12	Red & Red Med
2542	2554	12	Red & Red Med
2554	2566	12	Red & Red Med
2566	2578	12	Red & Red Med
2578	2590	12	Red & Red Med
2590	2602	12	Red & Red Med
2602	2614	12	Red & Red Med
2614	2626	12	Red & Red Med
2626	2638	12	Red & Red Med
2638	2650	12	Red & Red Med
2650	2662	12	Red & Red Med
2662	2674	12	Red & Red Med
2674	2686	12	Red & Red Med
2686	2698	12	Red & Red Med
2698	2710	12	Red & Red Med
2710	2722	12	Red & Red Med
2722	2734	12	Red & Red Med
2734	2746	12	Red & Red Med
2746	2758	12	Red & Red Med
2758	2770	12	Red & Red Med
2770	2782	12	Red & Red Med
2782	2794	12	Red & Red Med
2794	2806	12	Red & Red Med
2806	2818	12	Red & Red Med
2818	2830	12	Red & Red Med
2830	2842	12	Red & Red Med
2842	2854	12	Red & Red Med
2854	2866	12	Red & Red Med
2866	2878	12	Red & Red Med
2878	2890	12	Red & Red Med
2890	2902	12	Red & Red Med
2902	2914	12	Red & Red Med
2914	2926	12	Red & Red Med
2926	2938	12	Red & Red Med
2938	2950	12	Red & Red Med
2950	2962	12	Red & Red Med
2962	2974	12	Red & Red Med
2974	2986	12	Red & Red Med
2986	2998	12	Red & Red Med
2998	3010	12	Red & Red Med
3010	3022	12	Red & Red Med
3022	3034	12	Red & Red Med
3034	3046	12	Red & Red Med
3046	3058	12	Red & Red Med
3058	3070	12	Red & Red Med
3070	3082	12	Red & Red Med
3082	3094	12	Red & Red Med
3094	3106	12	Red & Red Med
3106	3118	12	Red & Red Med
3118	3130	12	Red & Red Med
3130	3142	12	Red & Red Med
3142	3154	12	Red & Red Med
3154	3166	12	Red & Red Med
3166	3178	12	Red & Red Med
3178	3190	12	Red & Red Med
3190	3202	12	Red & Red Med
3202	3214	12	Red & Red Med
3214	3226	1	

FORMATION RECORD--Continued			
FROM-	TO-	TOTAL FEET	REMARKS
1545	1550	5	Reddish Ashy.
1580	1615	35	Reddish Ashy.
1615	1625	10	Reddish Ashy.
1625	1635	10	Reddish Ashy.
1635	1645	10	Reddish Ashy.
1645	1655	10	Reddish Ashy.
1655	1665	10	Reddish Ashy.
1665	1675	10	Reddish Ashy.
1675	1685	10	Reddish Ashy.
1685	1695	10	Reddish Ashy.
1695	1705	10	Reddish Ashy.
1705	1715	10	Reddish Ashy.
1715	1725	10	Reddish Ashy.
1725	1735	10	Reddish Ashy.
1735	1745	10	Reddish Ashy.
1745	1755	10	Reddish Ashy.
1755	1765	10	Reddish Ashy.
1765	1775	10	Reddish Ashy.
1775	1785	10	Reddish Ashy.
1785	1795	10	Reddish Ashy.
1795	1805	10	Reddish Ashy.
1805	1815	10	Reddish Ashy.
1815	1825	10	Reddish Ashy.
1825	1835	10	Reddish Ashy.
1835	1845	10	Reddish Ashy.
1845	1855	10	Reddish Ashy.
1855	1865	10	Reddish Ashy.
1865	1875	10	Reddish Ashy.
1875	1885	10	Reddish Ashy.
1885	1895	10	Reddish Ashy.
1895	1905	10	Reddish Ashy.
1905	1915	10	Reddish Ashy.
1915	1925	10	Reddish Ashy.
1925	1935	10	Reddish Ashy.
1935	1945	10	Reddish Ashy.
1945	1955	10	Reddish Ashy.
1955	1965	10	Reddish Ashy.
1965	1975	10	Reddish Ashy.
1975	1985	10	Reddish Ashy.
1985	1995	10	Reddish Ashy.
1995	2005	10	Reddish Ashy.
2005	2015	10	Reddish Ashy.
2015	2025	10	Reddish Ashy.
2025	2035	10	Reddish Ashy.
2035	2045	10	Reddish Ashy.
2045	2055	10	Reddish Ashy.
2055	2065	10	Reddish Ashy.
2065	2075	10	Reddish Ashy.
2075	2085	10	Reddish Ashy.
2085	2095	10	Reddish Ashy.
2095	2105	10	Reddish Ashy.
2105	2115	10	Reddish Ashy.
2115	2125	10	Reddish Ashy.
2125	2135	10	Reddish Ashy.
2135	2145	10	Reddish Ashy.
2145	2155	10	Reddish Ashy.
2155	2165	10	Reddish Ashy.
2165	2175	10	Reddish Ashy.
2175	2185	10	Reddish Ashy.
2185	2195	10	Reddish Ashy.
2195	2205	10	Reddish Ashy.
2205	2215	10	Reddish Ashy.
2215	2225	10	Reddish Ashy.
2225	2235	10	Reddish Ashy.
2235	2245	10	Reddish Ashy.
2245	2255	10	Reddish Ashy.
2255	2265	10	Reddish Ashy.
2265	2275	10	Reddish Ashy.
2275	2285	10	Reddish Ashy.
2285	2295	10	Reddish Ashy.
2295	2305	10	Reddish Ashy.
2305	2315	10	Reddish Ashy.
2315	2325	10	Reddish Ashy.
2325	2335	10	Reddish Ashy.
2335	2345	10	Reddish Ashy.
2345	2355	10	Reddish Ashy.
2355	2365	10	Reddish Ashy.
2365	2375	10	Reddish Ashy.
2375	2385	10	Reddish Ashy.
2385	2395	10	Reddish Ashy.
2395	2405	10	Reddish Ashy.
2405	2415	10	Reddish Ashy.
2415	2425	10	Reddish Ashy.
2425	2435	10	Reddish Ashy.
2435	2445	10	Reddish Ashy.
2445	2455	10	Reddish Ashy.
2455	2465	10	Reddish Ashy.
2465	2475	10	Reddish Ashy.
2475	2485	10	Red

