

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Serial Number **026100**
Lease or Permit **Permit**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT RECORD OF SHOOTING.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		RECORD OF PERFORATING CASING.....	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO ABANDON WELL.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO SHOOT.....		SUPPLEMENTARY WELL HISTORY.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 15th, 1929

192

Following is a notice of intention to do work on land under permit described as follows:

Utah Carbon Warman
(State or Territory) (County or Subdivision) (Field)

Well No. Warman Dome No. 1 SW 1/4 of SW 1/4 Sec 12 15 N. 11 E. S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 1890 ft. S of East-heat Center line and 275 ft. W of North-Center line of sec. 12

The elevation of the derrick floor above sea level is about 5900 ft. NE 5000

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work.)

Name of objective sand is unknown but it lies at the base of the Moenkopi or the top of the Coconino - the Kiabab in this region being out. The well is being drilled for carbon dioxide gas and not oil or petroleum gas. Expected depth about 3105 feet.

Casings: 230 feet of 1 1/2 inch, weight about 90 pounds; 1410 feet of 1 1/2 inch, weight about 70 pounds; 1669 feet of 10 inch, weight about 45 pounds; 2970 feet of 3/4 inch, weight about 36 pounds.

No mudding jobs contemplated, except at 1410 feet until depth of 2970 feet is reached, then again at 2970, unless gas is encountered at a higher level.

Approved DECEMBER 24 (Date) (See attached)

H. G. Barton
Title Sr. Petr. Engineer
GEOLOGICAL SURVEY

Address Casper, Wyo.

Company Carbon Dioxide & Chemical Company
1451 First Ave., Seattle, Washington

By A. M. Fulton
Title President and General Manager
Fulton's address, Conrad, Montana.

Address _____

1001		1002
1002		1003
1003		1004
1004		1005
1005		1006
1006		1007
1007		1008
1008		1009
1009		1010
1010		1011
1011		1012
1012		1013
1013		1014
1014		1015
1015		1016
1016		1017
1017		1018
1018		1019
1019		1020

(CONTINUED)
 J. S. LAND OFFICE Salt Lake
 SERIAL NUMBER 026100
 LEASE OR PERMIT TO PROSPECT Permit

DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 COPY RETAINED SALT LAKE CITY

RECEIVED
 JUL 30 1930
 SALT LAKE CITY, UTAH
 WORKING LEASING DIV.

LOG OF OIL OR GAS WELL

LOGSATE WELL CORRECTLY
 Company Carbon Dioxide & Chemical Co.
 Lease for Tract 1001
 Well No. 1 Sec. 12 T. 15S. 11 Meridian
 Location 1890 ft. of N. Line and 275 ft. of W. Line of
 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 July 26 1930
 The summary on this page is for the condition of the well at above date.

Commenced drilling Jan. 28, 19 30 Finished drilling June 15, 19 30

OIL OR GAS SANDS OR ZONES

No. 1 from 3093 to 3014
 No. 2 from 3014 to 3000
 No. 3 from 3000 to 2985
 No. 4 from 2985 to 2970
 No. 5 from 2970 to 2955
 No. 6 from 2955 to 2940

IMPORTANT WATER SANDS

No. 1 from 1155 to 1120
 No. 2 from 1431 to 1359 show 2 1/2' of No. 4

CASING RECORD

Size casing	Weight per foot	Thread	Make	Amount	Type Log	Cut and pulled from	Perforated		Purpose
							From	To	
10	45	4/19/30		1000	PIPE				25 ex cement
8 5/8	36	5/30/30		1000	PIPE				
Apr 21/30 pulled 5 lengths of 1 1/2" casing Re-clamped 1 1/2" casing									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Mud used	Mud gravity	Amount of mud used
10		10	REG LOCK		
10		10	REG LOCK		
10		10	REG LOCK		
10		10	REG LOCK		
10		10	REG LOCK		
10		10	REG LOCK		

PLUGS AND ADAPTERS

Heaving plug - Material
 Adapters - Material

FOLD MARK

Time	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1322	None	None	None			
1330	None	None	None			
1332	None	None	None			
1337	None	None	None			
1340	None	None	None			
1342	None	None	None			
1343	None	None	None			
1344	None	None	None			
1345	None	None	None			
1346	None	None	None			
1347	None	None	None			
1348	None	None	None			
1349	None	None	None			
1350	None	None	None			
1351	None	None	None			
1352	None	None	None			
1353	None	None	None			
1354	None	None	None			
1355	None	None	None			
1356	None	None	None			
1357	None	None	None			
1358	None	None	None			
1359	None	None	None			
1360	None	None	None			
1361	None	None	None			
1362	None	None	None			
1363	None	None	None			
1364	None	None	None			
1365	None	None	None			
1366	None	None	None			
1367	None	None	None			
1368	None	None	None			
1369	None	None	None			
1370	None	None	None			
1371	None	None	None			
1372	None	None	None			
1373	None	None	None			
1374	None	None	None			
1375	None	None	None			
1376	None	None	None			
1377	None	None	None			
1378	None	None	None			
1379	None	None	None			
1380	None	None	None			
1381	None	None	None			
1382	None	None	None			
1383	None	None	None			
1384	None	None	None			
1385	None	None	None			
1386	None	None	None			
1387	None	None	None			
1388	None	None	None			
1389	None	None	None			
1390	None	None	None			
1391	None	None	None			
1392	None	None	None			
1393	None	None	None			
1394	None	None	None			
1395	None	None	None			
1396	None	None	None			
1397	None	None	None			
1398	None	None	None			
1399	None	None	None			
1400	None	None	None			

TOOLS USED

Rotary tools were used from 0 feet to 19 feet and from 19 feet to 19 feet
 Cable tools were used from 0 feet to 19 feet and from 19 feet to 19 feet

EMPLOYEES

E. I. McKnight, Driller
John Miller, Driller
Frank Robinson, Tool Dresser
Swanson, Tool Dresser, Driller

FORMATION RECORD

Time	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1355m	1580					
1356	1585					
1357	1590					
1358	1595					
1359	1600					
1360	1605					
1361	1610					
1362	1615					
1363	1620					
1364	1625					
1365	1630					
1366	1635					
1367	1640					
1368	1645					
1369	1650					
1370	1655					
1371	1660					
1372	1665					
1373	1670					
1374	1675					
1375	1680					
1376	1685					
1377	1690					
1378	1695					
1379	1700					
1380	1705					
1381	1710					
1382	1715					
1383	1720					
1384	1725					
1385	1730					
1386	1735					
1387	1740					
1388	1745					
1389	1750					
1390	1755					
1391	1760					
1392	1765					
1393	1770					
1394	1775					
1395	1780					
1396	1785					
1397	1790					
1398	1795					
1399	1800					
1400	1805					

LOG OF THE FARNHAM DOME WELL NO. 1, SITUATE IN SECTION 12, TOWNSHIP 15 S., RANGE 11 EAST, SALT LAKE MERIDIAN, CARBON COUNTY, UTAH. LOCATION 1890 FEET SOUTH OF THE NORTH LINE AND 275 WEST OF THE EAST LINE OF THE SOUTHWEST QUARTER. ELEVATION ABOUT 5900 FEET. CARBON DIOXIDE CHEMICAL COMPANY IN CHARGE OF OPERATIONS

POOR COPY

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Serial Number 026100
Lease or Permit Permit

GEOLOGICAL SURVEY

RECEIVED

JUL 19 1930

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING	
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATING CASING	
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REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY	

SALT LAKE CITY, UTAH
MINERAL LEASING DIV.

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Grand Junction Colo. July 18, 192³⁰

Following is a ~~report of work done~~ report of work done on land under permit described as follows:

Utah Carbon Farnham
(State or Territory) (County or Subdivision) (Field)
Well No. 1 Section 12 15 South 11 east S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 1890 ft. N of M line and 275 ft. W of E line of sec. SW 1/4

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

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

6/15--Total depth of well 3114 feet. Temporarily stopped operations waiting for decision to lay pipe line to Wellington, Utah and the arrival of Dry Ice plant machinery. Watchman and wife continually on duty at well site.
Discontinued drilling June 15th 1930 at 3114 feet; Tested volume of Gas; Tested 2,780,000. cu ft.
First showing of Gas at 3093 ft in a dark gray sand very fine and hard 3096 to 3098 hard gray sand and lime
3098 to 3103 Hard Gray sand and lime; slight increase in Gas.
3103-3108 Gray sandy lime banded to yellow (Gas sand). Gas very nearfroze tools in hole. Got tools free and pulled them out at 5.P.M. June 3rd 1930.
June 13/30 Tested temperature --4 minutes test 84 below zero bottom of Hole 80 above zero at top of hole.
3108 to 3114 Gas Sand; Used alcohol to drill with in hole. Shut in pressure raised to 750 lbs in 2 hours and 30 minutes.

Approved July 31, 1930 (As a report of work done) By Carbon Digging & Chemical Co
E. W. Henderson District Engineer Title By J. V. Raynor
316 Federal GEOLOGICAL SURVEY Address Grand Junction Colo
Address Salt Lake City, Utah Address POB 765

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

The well is properly shut in - No Gas escaping -

LOG OF
CARBON DRILLING & CHEMICAL CO., Well No. 1
 Field: Parkman Dam, Carbon County, Utah - Sec. 12, T. 15N., R. 11 E. Section No. 026300
 Location 1870 Ft. S. of N. Line and 275 Ft. W. of E. Line of SW 1/4 - Elev. 7900 approx.

Date: July 24, 1930
 Commenced drilling June 28, 1930 Finished drilling June 15, 1930

Oil or Gas Sands or Zones

No. 1, from 3095 to 3124

Important Water Sands

No. 1, from 1155 to 1170
 No. 2, from 1182 to 1199 show
 No. 3, from 1500 to 1505

Cable tools were used from 0 feet to 3124 feet.

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
LOG OF THE PARKMAN DAM WELL NO. 1, SITUATE IN SECTION 12, TOWNSHIP 15N., RANGE 11 EAST, SALT LAKE MERIDIAN, CARBON COUNTY, UTAH, LOCATED 1870 FEET SOUTH OF THE NORTH LINE AND 270 WEST OF THE EAST LINE OF THE SOUTHWEST QUARTER. ELEVATION ABOUT 7900 FEET. CARBON DICKICE & CHEMICAL COMPANY IN CHARGE OF OPERATIONS			

0			Gray shale
10			lime shells and hard rock
100			Hard lime
112			Hard red sand
116			Yellow shale
118			Sandy red rock
125			Red rock with gray shale
135			Gray shale
138			Gray sand
140			Gray shale
145			Red rock
155			Hard gray shale
160			Red rock
165			Gray shale
170			White lime
175			Hard white lime
180			White lime
185			Gray sandy shale
190			Gray shale and lime shells
195			Brown shale and shells
200			Gray sandy shale and shells
205			Hard lime
210			Gray shale and shells
215			Sand
220			Gray shale
225			Red rock
230			Hard red sand and shells
235			Sandy shale
240			Hard sharp sand
245			Brown shale
250			Red rock
255			Brown shale
260			Hard red rock
265			Hard red sandy shale
270			Red rock - curving
275			Brown shale
280			Red rock
285			Brown shale
290			Gray shale
295			Hard gray lime
300			Hard sand - show of water
305			Hard blue lime

LOG OF
CARBON DRILLING & CHEMICAL CO., Well No. 1
 Field: Parkman Dam, Carbon County, Utah - Sec. 12, T. 15N., R. 11 E. Section No. 026300
 Location 1870 Ft. S. of N. Line and 275 Ft. W. of E. Line of SW 1/4 - Elev. 7900 approx.

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0		0	Gray shale
10		10	Light shales and hard rock
100		100	Hard lime
112		112	Hard red sand
116		116	Yellow shale
118		118	Sandy red rock
125		125	Red rock with gray shale
135		135	Gray shale
138		138	Gray sand
140		140	Gray shale
145		145	Red rock
150		150	Hard gray shale
155		155	Red rock
160		160	Gray shale
165		165	White lime
170		170	Hard white lime
175		175	White lime
180		180	Gray sandy shale
185		185	Gray shale and lime shells
190		190	Brown shale and shells
195		195	Gray sandy shale and shells
200		200	Hard lime
205		205	Gray shale and shells
210		210	Sand
215		215	Gray shale
220		220	Red rock
225		225	Hard red sand and shells
230		230	Sandy shale
235		235	Hard sharp sand
240		240	Brown shale
245		245	Red rock
250		250	Brown shale
255		255	Hard red rock
260		260	Hard red sandy shale
265		265	Red rock - curving
270		270	Brown shale
275		275	Red rock
280		280	Brown shale
285		285	Gray shale
290		290	Hard gray lime
295		295	Hard sand - show of water
300		300	Hard blue lime

C. D. DICKICE

1165	1170	15	
1170	1175	17	Line with streaks of sand (Hole filled with 200' water from 1165 to 1170.)
1171	1176	18	Sand (Water rose to within 400 feet of surface)
1172	1177	19	Hard blue lime - caving
1173	1178	5	Gray shale
1174	1179	37	Hard fine sand
1175	1180	10	Gray shale - hole caving
1176	1181	18	Hard lime shell
1177	1182	4	Hard red rock
1178	1183	7	Hard shells
1179	1184	5	Red shale
1180	1185	9	Hard shells
1181	1186	5	Red shale
1182	1187	8	Hard shells
1183	1188	7	Red rock
1184	1189	7	Sand
1185	1190	23	Hard red rock
1186	1191	8	Red rock and shells
1187	1192	14	Red rock
1188	1193	7	Red rock
1189	1194	12	Brown shale
1190	1195	6	Red rock
1191	1196	3	Reddish water sand
1192	1197	3	Hard sandy shell
1193	1198	12	Water sand, water rose 25 feet higher at 1126'
1194	1199	2	Lime shells - brown shale
1195	1200	2	Lime
1196	1201	1	Lime (bailing water out of hole)
1197	1202	1	Red Rock do
1198	1203	1	Red lime do
1199	1204	1	Hard Lime Shell do
1200	1205	9	Red rock - hard
1201	1206	15	Brown sandy shale
1202	1207	8	Red rock sandy (showing of water between 1500' and 1505')
1203	1208	10	Brown sandy shale and shells (Hole shows water 70 ft. above former level)
1204	1209	6	Red rock hard
1205	1210	20	Brown shale - gypsum shells
1206	1211	9	Hard sand
1207	1212	10	Red sandy shale and shells
1208	1213	10	Red rock
1209	1214	10	Red rock
1210	1215	10	Lime
1211	1216	10	Sandy lime
1212	1217	12	Sandy shale - hard
1213	1218	12	Lime
1214	1219	12	Lime
1215	1220	12	Lime Brown
1216	1221	12	Lime red
1217	1222	12	Sandy lime - hard
1218	1223	12	Lime - hard
1219	1224	12	Sandy lime - hard
1220	1225	12	Sand and lime
1221	1226	12	Hard sandy lime
1222	1227	10	Lime
1223	1228	10	Hard red sandy lime
1224	1229	10	Hard sandy lime
1225	1230	10	Red shale and shells
1226	1231	10	Red lime - hard
1227	1232	10	Red lime and shells
1228	1233	5	Red lime - hard
1229	1234	10	Red lime and hard shells
1230	1235	10	Red lime
1231	1236	2	Red Lime - Hard
1232	1237	2	Hard shell light show of heavy oil
1233	1238	2	
1234	1239	2	
1235	1240	2	
1236	1241	2	
1237	1242	2	
1238	1243	2	
1239	1244	2	
1240	1245	2	
1241	1246	2	
1242	1247	2	
1243	1248	2	
1244	1249	2	
1245	1250	2	
1246	1251	2	
1247	1252	2	
1248	1253	2	
1249	1254	2	
1250	1255	2	



1165	1170	15	
1170	1175	17	Line with streaks of sand (Hole filled with 200' water from 1165 to 1170.)
1171	1176	18	Sand (Water rose to within 400 feet of surface)
1172	1177	19	Hard blue lime - caving
1173	1178	5	Gray shale
1174	1179	37	Hard fine sand
1175	1180	10	Gray shale - hole caving
1176	1181	18	Hard lime shell
1177	1182	4	Hard red rock
1178	1183	7	Hard shells
1179	1184	5	Red shale
1180	1185	9	Hard shells
1181	1186	5	Red shale
1182	1187	8	Hard shells
1183	1188	7	Red rock
1184	1189	7	Sand
1185	1190	23	Hard red rock
1186	1191	8	Red rock and shells
1187	1192	14	Red rock
1188	1193	7	Red rock
1189	1194	12	Brown shale
1190	1195	6	Red rock
1191	1196	3	Reddish water sand
1192	1197	3	Hard sandy shell
1193	1198	12	Water sand, water rose 25 feet higher at 1126'
1194	1199	2	Lime shells - brown shale
1195	1200	1	Lime
1196	1201	1	Lime (bailing water out of hole)
1197	1202	1	Red Rock do
1198	1203	1	Red lime do
1199	1204	1	Hard Lime Shell do
1200	1205	9	Red rock - hard
1201	1206	15	Brown sandy shale
1202	1207	8	Red rock sandy (showing of water between 1500' and 1505')
1203	1208	10	Brown sandy shale and shells (Hole shows water 70 ft. above former level)
1204	1209	6	Red rock hard
1205	1210	20	Brown shale - gypsum shells
1206	1211	9	Hard sand
1207	1212	10	Red sandy shale and shells
1208	1213	10	Red rock
1209	1214	10	Red rock
1210	1215	10	Lime
1211	1216	10	Sandy lime
1212	1217	12	Sandy shale - hard
1213	1218	12	Lime
1214	1219	12	Lime
1215	1220	12	Lime Brown
1216	1221	12	Lime red
1217	1222	12	Sandy lime - hard
1218	1223	12	Lime - hard
1219	1224	12	Sandy lime - hard
1220	1225	12	Sand and lime
1221	1226	12	Hard sandy lime
1222	1227	10	Lime
1223	1228	10	Hard red sandy lime
1224	1229	10	Hard sandy lime
1225	1230	10	Red shale and shells
1226	1231	10	Red lime - hard
1227	1232	10	Red lime and shells
1228	1233	5	Red lime - hard
1229	1234	10	Red lime and hard shells
1230	1235	10	Red lime
1231	1236	2	Red Lime - Hard
1232	1237	2	Hard shell light show of heavy oil
1233	1238	2	
1234	1239	2	
1235	1240	2	
1236	1241	2	
1237	1242	2	
1238	1243	2	
1239	1244	2	
1240	1245	2	
1241	1246	2	
1242	1247	2	
1243	1248	2	
1244	1249	2	
1245	1250	2	
1246	1251	2	
1247	1252	2	
1248	1253	2	
1249	1254	2	
1250	1255	2	

1800	1805	5	Red sandy shale
1805	1815	10	Red lime
1815	1825	10	Brown shale and shells (hole casing)
1825	1835	10	Shale and shells (casing)
1835	1845	10	Brown shale and shells (hole casing)
1845	1854	9	Brown shale (hole casing)
1854	1862	8	Brown shale and shale (hole casing)
1862	1871	9	Brown shale and shells (hole casing)
1871	1881	10	Brown shale and shells (hole casing)
1881	1890	9	Brown shale and shells (hole casing)
1890	1895	5	Line shell set 10" casing
1895	1900	5	Brown lime
1900	1910	10	Gray lime
1910	1915	5	Gray lime
1915	1920	5	Brown lime
1920	1930	10	Red shale and shells
1930	1945	15	Brown shale - bailing water
1945	1955	10	Line shells and shale (Bailed water out of hole to 1950) Hole O.K.
1955	1970	15	Gray lime, shale and shells
1970	1985	15	Blue lime - hard
1985	1995	10	Gray sand
1995	2015	20	Hard gray sand - sharp
2015	2035	20	Gray sand
2035	2050	15	Hard gray sand
2050	2100	50	Gray Sand sharp
2100	2110	10	Green Sand - hard
2110	2135	25	Hard gray sand - sharp
2135	2150	15	Gray shale and shells
2150	2157	7	Gray abandoned Red Mixed Shale
2157	2165	8	Red rock
2165	2180	15	Hard brown lime
2180	2195	15	Red and gray lime mixed
2195	2205	10	Line shell
2205	2215	10	Red rock - hard
2215	2245	30	Red sand - hard
2245	2255	10	Brown sand - hard
2255	2265	10	Red Sand - hard
2265	2275	10	Brown sand - very fine and hard
2275	2295	20	Red sand
2295	2305	10	Yellow sand
2305	2325	20	Red rock
2325	2370	45	Red Sand
2370	2385	15	Red sand
2385	2405	20	Red shale - dark
2405	2425	20	Dark red shale
2425	2445	20	Dark red shale
2445	2465	20	Dark red shale
2465	2485	20	Red shale and shells
2485	2505	20	Dark brown shale and shells
2505	2525	20	Red shale and shells
2525	2545	20	Brown shale and shells
2545	2565	20	Red shale and shells
2565	2585	20	Dark sandy shale and shells
2585	2605	20	Dark Red Shale and Shells
2605	2620	15	Dark Brown Sandy Shale
2620	2640	20	Dark Red Shale and Shells
2640	2660	20	Dark sandy shale
2660	2685	25	Red rock and shells
2685	2695	10	Soft red rock
2695	2725	30	Gray shale
2725	2760	35	Gray shale
2760	2770	10	Gray shale
2770	2790	20	Gray lime - hard
2790	2800	10	Gray shale and gypsum shells
2800	2825	25	Gray shale and shells

2825	2830	5	Blue lime
2830	2845	15	Blue lime
2845	2860	15	Gray shale and gypsum shells
2860	2885	25	Gray shale
2885	2895	10	Blue shale
2895	2920	25	Gray shale
2920	2930	10	Gray shale and gypsum
2930	2935	15	Gray shale gypsum
2935	2945	10	Gray and brown shale
2945	2975	30	Gray lime shells
2975	3000	25	Lime - hard
3000	3020	20	Gray lime
3020	3040	20	Hard dark sandy lime
3040	3048	8	Lime - hard
3048	3057	19	Lime - Hard
3057	3082	15	Hot d gray lime
3082	3086	4	Red Sand sharp
3086	3096	10	Dark gray sand very fine and hard.
3096	3103	7	3093 first showing of C.O. ₂ Gas
3103	3108	5	Hard Gray Sand and Lime-Slight increase in Gas
3108	3114	6	Gray sandy lime banded to yellow has sand Gas sand tested 2,780,000 cu. ft. Shut in pressure raises to 750 lbs. Tests made June 15th, 1930

Copied by mtr

FARNHAM DOME No 2

SW 1/4 Sec 12-155-11E

Carbon Co., Utah

SL - 026100(a)

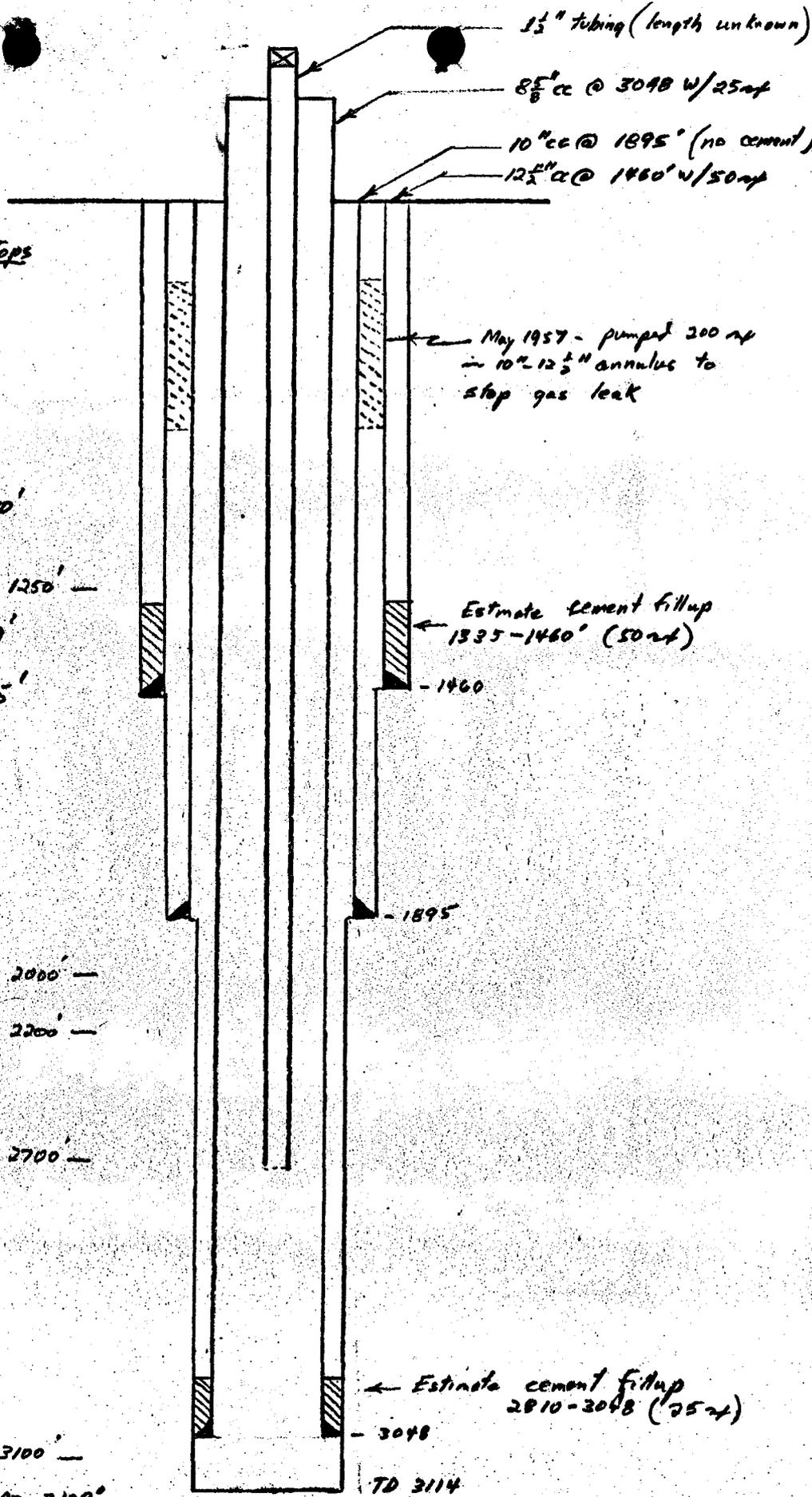
Completed 6/15/1930

IP 2,780 MCFGPD

SEP 750 psi

Approx TOPS

from open hole 3048-3114'



1 1/2" tubing (length unknown)

8 5/8" cc @ 3048 w/25 net

10" cc @ 1895' (no cement)

12 1/2" cc @ 1460' w/50 net

May 1957 - pumped 300 net in 10"-12 1/2" annulus to stop gas leak

Estimate cement fillup 1335-1460' (50 net)

1895'

Estimate cement fillup 2810-3048 (25 net)

3048

TD 3114

Water encountered at zones

- 1155-70'
- ENTRADA 1250'
- 1431-39'
- 1505-1515'

Small amt of inflammable gas

1995'

Curtis 2000'

Entrada 2200'

Carmel 2700'

Navajo 3100'

gas reported @ 3093-3100'
 last report also indicated considerable water w/gas

CARBON COUNTY

Carbon Dioxide & Chemical Co., Well #1 (S.L. 026100)
ESWS Sec. 12-15S-11E

Carbon Dioxide & Chemical Co., Well #1,
MAY 1930 ESWS Sec. 12-15S-11E (S. L. 026100)

Drilling at 2850' in a 10" hole. A string of 10" casing was mudded and landed at 1895' to obtain a shut off of the water encountered at 1504' to 1510'. A small amount of inflammable gas was encountered at 1995'. Open hole will be drilled to approximately 3050' where a string of 8-5/8" casing will be cemented for a production string. No work has been done toward erecting a plant to manufacture "dry ice" from the carbon dioxide gas. Present plans are to erect a small experimental plant at Wellington and add to the plant from time to time. (Well visited 5-15-30)

STATUS: Drilling well.

FARHAM DOME:

JUN

1930

Carbon Dioxide & Chemical Co., Well #1,
ESWS Sec. 12-15S-11E (S. L. 026100)

The gas sand in this well was reached at 3093' to 3106', but instead of containing the 12 million flow of carbon dioxide gas under a rock pressure of 900 pounds, contained a flow of less than one million cubic feet. Marker beds above 3093' in this hole checked closely with those found above the gas sand in the discovery, and gave proof that the two holes were in relatively the same position structurally. The discovery well was permitted to flow wide open for 40 days and during the period showed no noticeable diminution of volume or pressure. No evidence of moisture was seen in the discovery well, and ice was formed only around well head fittings at the surface. When the sand was tapped in the present hole the expansion of the gas immediately froze the drilling water and mud in the hole around the tools. The tools were jarred loose and recovered after a few hours. After recovery of the tools the well was shut, and a gauged rock pressure of 800 pounds reached within 30 minutes. However, upon opening the well later it was found that the well made a large flow of gas for 3 to 5 minutes and then quickly subsided as though a valve on the well was being closed. Tools run into the hole for five minutes were heavily coated with frost and ice when pulled to the surface. The flow of gas through small leaks in the control valve seemed to increase after the well was shut and a back pressure held on the sand. This behavior of the well was taken to indicate that the expansion of the sand at the face of the hole resulted in the formation of ice in the sand pores which prevented flow of gas into the hole. Some evidence of moisture was observed in the gas flow after well was shut in for a short period and again opened up. The small gas flow in the present well is believed to indicate that water from the discovery well has access to the gas sand or that some unusual sand condition intervenes in the short distance between the two locations. Approximately two weeks have been spent trying various methods for increasing the gas flow but without success. Permission to drill deeper with the expectation

that additional gas flows may be encountered and a commercial volume of gas obtained. An analysis of a sample of the gas showed 98.3% CO₂ and 1.7% N₂ which checks analyses from the discovery well. (Well visited 6-5-30)

STATUS: Drilling well.

CARBON COUNTY
Farham Dome

Carbon Dioxide & Chemical Co., Well #1,
NESEW Sec. 12-15S-11E

(S. L. 026100)

Carbon Dioxide and Chemical Co., Well #1,

~~NESEW Sec. 12-15S-11E~~ (S. L. 026100)

Camp has been constructed at this location and construction work on a power line from Wellington completed. Drilling equipment has been unloaded at Wellington and should be moved to the location within a few days. (Location visited 12-31-29)

FEB

1930

Carbon Dioxide & Chemical Co., Well #1,

~~NESEW Sec. 12-15S-11E~~ (S. L. 026100)

Commenced drilling January 28, 1930. A string of 15 $\frac{1}{2}$ " casing was landed at 112'. Permission to cement the 12 $\frac{1}{2}$ " casing to be landed at approximately 1400' in lieu of the 15 $\frac{1}{2}$ " conductor string has been given. This well is being drilled with electric power using a standard rig and heavy equipment. The well should be drilled to completion in a small fraction of the time required to drill the first well on this structure. Present total depth 450'. (Well Visited 1-31-30)

MAR

1930

Carbon Dioxide & Chemical Co., Well #1,

~~NESEW Sec. 12-15S-11E~~ (S. L. 026100)

Drilling at 1230. A water sand was struck at 1155 and after drilling to 1170 water rose to 900 feet in the hole. The first well drilled on this structure and approximately 700 north of the present drilling well struck a fresh water sand at this depth which made one barrel per hour and a second brackish water sand^{was} at 1332 which filled the hole 1000 feet. Apparently in abandoning the first hole the two water sands were not separated by plugging and the brackish water has now filled the upper sand. This fact has caused the present operators to feel some apprehension as to manner in which the lower part of the hole was abandoned and a possibility of finding water in the gas sand. (W. C. McKnight 3-12-30)

APR

1930

Carbon Dioxide & Chemical Co., Well #1,

~~NESEW Sec. 12-15S-11E~~ (S. L. 026100)

Drilling below 1200'. Samples of the formation are now being taken, and appear to indicate that the correlation of the log of the Utah Oil Refining Well on the structure was doubtful. Enough samples have not been secured to date to give definite data. The 12 $\frac{1}{2}$ " casing was cemented at 1460'. The well struck more water at 1505'. It appears that the water sands were not definitely logged in the original well, and that some water was carried and encountered below the sand at 1332'-1392', the lowest reported in the discovery well, and was finally shut off at 1751'. In the new well another string of casing will not be set tight until it seems certain that no more water will be found. The 10" casing is being carried and will be landed for a temporary shutoff. It seems that the ambiguity in the original log caused the new drillers an unnecessary cement job.

Status: Drilling well

(Visited 3-28-30

W. C. McKnight 4-12-30)

MAY, 1930 (Next sheet)

9-546
(April, 1931)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Field Laboratory - Midwest, Wyoming

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF: (1) WATER,
~~CO₂ GAS, OIL, GAS, OR OTHER LIQUID~~ (Indicate which).

Marks on Container Lab. No. (Filled by Chemist)
SOURCE OF SAMPLE:

Field Farnham Dome Farm or ~~Lease~~ Lease Salt Lake City 026100
(Serial Number)
Operator Carbon Dioxide & Chemical Co. Operator's Address Wellington, Utah

Well No. 1 SE¹SW, $\frac{1}{4}$ Sec. 12, Twp. 15 S., Rge. 11 E., P.M. S.L.M.

Sample taken by A. B. Johnson and C. A. Hauptman Date taken 3-12-42

If known, name of sand (or formation) from which this sample is produced doubtful
(If doubtful, so state) Coconino ?

Depth to top of sand 3095' Depth to bottom of sand 3114'

Depth well drilled 3114' Present depth 3114'

Depths (if known) where water encountered Questionable

Depth at which water string is landed, cemented, mudded 3114' ?

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)
Flowed with CO₂ gas when opened.

Method of production (flowing, pumping, air, etc.) Flowing

Initial production:	Present production:
Barrels Oil	Barrels Oil
Barrels Water	Barrels Water <u>Show</u>
Gas Volume	Gas Volume <u>1,678,000 Cu. Ft.</u>
Rock Pressure	Rock Pressure <u>730 # at casing head, S. I.</u>

REASON FOR ANALYSIS:

- (1) Future reference:
- (2)
- (3) Correlation: Comparison with other analyses
- (4)

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

9-546-a
(August, 1932)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Laboratory - ~~Albany, N.Y.~~

100-1

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF GAS

Marks on container Lab. No. **30-02** (Filled by Chemist)
SOURCE OF SAMPLE:

Field **Farmham, Utah** Farm or Lease **Permit S.L.C. 028100-1**
(Serial Number)

Operator **Carbon Nitrate & Chemical Co.** Operator's Address **Price, Utah**

Well No. **1 21 1/2 SW 1/4**, 1/4 Sec. **12**, T. **15 S.**, R. **11 E.**, M. **S.L.M.**

Sample taken by **H. W. Henderson** Date taken **7-13-32**

If known, name of sand (or formation) from which this sample is produced **Coconino (T)**
(If doubtful, so state)

Depth to top of sand **3048** Depth to bottom of sand **5114**

Depth well drilled **5114** Present depth **5114**

Depths (if known) where water encountered **255-1170, 1451-1459, 1800-1808**

Depth at which water string is landed, cemented, grouted **8-6/8" casing cemented at 3048**

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)

Sample obtained from valve at wellhead

Method of production (flowing, pumping, air, etc.)

Initial production:		Present production:	
Barrels Oil	None	Barrels Oil	None
Barrels Water	None	Barrels Water	None
Gas Volume	2,750,000	Gas Volume	1,200,000
Rock Pressure	780	Rock Pressure	780

REASON FOR ANALYSIS:

- (1) Future reference:
- (2) **Comparison with previous analyses for possible change of**
- (3) Correlation: **constituents.**
- (4)

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container. Otherwise sample will be disregarded. Be sure to seal or tightly cork container immediately after sampling and label all samples so that there will be no doubt as to

7/26

9-546
(April, 1931)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Field Laboratory - Midwest, Wyoming

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF: (1) WATER,
(2) OIL, (3) GAS, (4) GASOLINE, FOR ANALYSIS (Indicate which).

Marks on Container Lab. No. (Filled by Chemist)
SOURCE OF SAMPLE:

Field Parabola Dome Farm or ~~District~~ Lease Salt Lake City 026100-A
(Serial Number)
Operator Carbon Dioxide & Chemical Co. Operator's Address Price, Utah

Well No. 1 ~~2 1/2~~ ~~2 1/4~~ 1/4 Sec. 12 Twp. 15 N., Rge. 11 E. P.M. S. L.

Sample taken by R. W. Henderson Date taken 1-21-1930

If known, name of sand (or formation) from which this sample is produced Cocaine(?)
(If doubtful, so state)

Depth to top of sand 3095 Depth to bottom of sand 3114

Depth well drilled 3114 Present depth 3114

Depths (if known) where water encountered 1158-1170, 1431-1439, 1500-1508

Depth at which water string is landed, cemented, mudded 8-5/8" casing cemented 3042'

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)

Sample bailed from hole at 2320' under pressure by using temperature observation machine.

Method of production (flowing, pumping, air, etc.) Flowing

Initial production:	Present production:
Barrels Oil <u>None</u>	Barrels Oil <u>None</u>
Barrels Water <u>None</u>	Barrels Water <u>Some. Exact amount no</u> <u>determinable. Probably few gallons.</u>
Gas Volume <u>2,780,000</u>	Gas Volume
Rock Pressure <u>780</u>	Rock Pressure <u>595</u>

REASON FOR ANALYSIS:

- (1) Future reference: Probable aid in determining source of water being produced with gas.
- (2)
- (3) Correlation:
- (4)

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

GARDEN

Barabara

Carbon Dioxide

Co., N.Y.

Open Mexico & Chemical Co., N.Y.

U.S. Pat. 2,152,112 (S. L. 0261001)

1930

This well was deepened from 5100' to 5114' without noticeable increase in amount of gas flow. At 5114' the bit passed into a blue sand or shale which was logged in the discovery well as the capping of a sand containing a small amount of heavy black oil. Since the presence of this oil would be very detrimental to the manufacture of "dry ice" from the carbon dioxide gas, drilling was suspended. The past month has been spent in obtaining numerous samples of the gas and making "dry ice" to be used by a research laboratory in working out methods of eliminating the small amount of Hydrogen Sulphide and other impurities present. Latest information received from the laboratory is that methods of removing all of the impurities have been worked out and that "dry ice" or liquid carbon dioxide can be successfully manufactured on a commercial scale. Material for construction of a gas line from the well to the town of Wellington, approximately four miles distant, and erection of a plant have been ordered. The company plans to start this construction work immediately. The well will remain shut in pending completion of a pipe line and erection of the plant. Drilling was finished June 15, 1930. The gas volume is reported as 2,780,000 cubic feet, and rock pressure 750 lbs. (Well visited 7-3-30)
STATUS CHANGE: Drg. to GSD

CARDON

Parham

Carbon Dioxide

Well No. 11

Well No. 11

Well No. 11

Carbon Dioxide & Chemical Co., W. Va.

71

111

1930

Well No. 11-112-112 (S. L. 026100)

This well was deepened from 5100' to 5114' without noticeable increase in amount of gas flow. At 5114' the bit passed into a blue sand or shale which was logged in the discovery well as the capping of a sand containing a small amount of heavy black oil. Since the presence of this oil would be very detrimental to the manufacture of "dry ice" from the carbon dioxide gas, drilling was suspended. The past month has been spent in obtaining numerous samples of the gas and making "dry ice" to be used by a research laboratory in working out methods of eliminating the small amount of Hydrogen Sulphide and other impurities present. Latest information received from the laboratory is that methods of removing all of the impurities have been worked out and that "dry ice" or liquid carbon dioxide can be successfully manufactured on a commercial scale. Material for construction of a gas line from the well to the town of Wellington, approximately four miles distant, and the erection of a plant have been ordered. The company plans to start this construction work immediately. The well will remain shut in pending completion of a pipe line and erection of the plant. Drilling was finished June 15, 1930. The gas volume is reported as 2,780,000 cubic feet, and rock pressure 750 lbs. (Well visited 7-3-30)

STATUS CHANGE: Drg. to GSD

FORMATION RECORD - Continued

0-1142

FROM	TO	TOTAL FEET	FORMATION
775	780	10	Red rock
780	800	20	Hard red sand and shells
800	810	10	Sandy shale
810	825	20	Hard sharp sand
825	870	35	Brown shale
870	880	10	Red rock
880	900	15	Brown shale
900	930	30	Hard red rock
930	950	30	Hard red sandy shale
950	980	25	Red rock - caving
980	1010	30	Brown shale
1010	1020	30	Red rock
1020	1040	30	Brown shale
1040	1070	20	Gray shale
1070	1090	15	Hard gray lime
1090	1110	10	Hard sand - show of water
1110	1150	35	Hard blue lime
1150	1170	15	Lime with streaks of sand (Hole filled with 200' water from 1150' to 1170'.)
1170	1170	5.75	Sand (Water rose to within 400 feet of surface)
1170	1182	12	Hard blue lime - caving
1182	1210	18	Gray shale
1210	1215	5	Hard fine sand
1215	1230	9	Gray shale - hole caving
1230	1252	10	Hard lime shell
1252	1280	18	Hard red rock
1280	1284	4	Hard shells
1284	1291	7	Red shale
1291	1296	5	Hard shells
1296	1305	9	Red shale
1305	1310	5	Hard shells
1310	1318	8	Red Rock
1318	1325	7.20	Sand
1325	1332	7.20	Hard red rock
1332	1355	23	Red rock and shells
1355	1365	8	Red rock
1365	1377	11	Red rock
1377	1384	7	Brown shale
1384	1396	12	Red rock
1396	1402	6	High water sand
1402	1407	5	Hard sand
1407	1449	42	Water sand, water rose 25 feet higher at 1426'
1449	1457	8	Lime shells - Brown shale
1457	1460	3	LOOSE
1460	1461	1	Lime (Bailing water out of hole)
1461	1465	4	Red Rock Do
1465	1470	5	Red lime Do
1470	1473	3	Hard Lime Shell Do
1473	1482	9	Red rock, hard
1482	1497	15	Brown sandy shale
1497	1505	8	Red rock sandy (showing of water between 1500' and 1505')
1505	1515	10	Brown sandy shale and shells (Hole shows water 70 ft above former level)
1515	1521	6	Red Rock
1521	1531	10	Brown shale - gypsum shells
1531	1540	9	Hard sand
1540	1550	10	Red sandy shale and shells
1550	1560	10	Red rock
1560	1570	10	Red rock

L. J. ...

MIDDIE AND DEWELING RECORD

Well No.	Depth	Strata	Notes
1580	1580	12	Sandy shale - hard
1590	1602	12	Lime
1602	1614	12	Lime
1614	1626	12	Lime
1626	1638	12	Lime Brown
1638	1650	12	Lime red
1650	1652	12	Sandy lime - hard
1662	1674	12	Lime - hard
1674	1686	12	Sandy lime - hard
1686	1698	12	Sand and lime
1698	1710	12	Hard sandy lime
1710	1720	10	Lime
1720	1730	10	Hard red sandy lime
1730	1740	10	Hard sandy lime
1740	1750	10	Red shale and shells
1750	1760	10	Red lime - hard
1760	1770	10	Red lime and shells
1770	1775	10	Red lime - hard
1775	1785	10	Red lime and hard shells
1785	1795	10	Red lime
1795	1797	2	Red lime - hard
1797	1800	3	Hard shell light show of heavy oil
1800	1805	5	Red sandy shale
1805	1815	10	Red lime
1815	1825	10	Brown shale and shells (hole caving)
1825	1835	10	Shale and shells (caving)
1835	1845	10	Brown shale and shells (hole caving)
1845	1854	9	Brown shale (hole caving)
1854	1862	8	Brown shale and shells (hole caving)
1862	1871	9	Brown shale and shells (hole caving)
1871	1881	10	Brown shale and shells (hole caving)
1881	1890	9	Brown shale and shells (hole caving)
1890	1895	5	Lime shell set 10" casing
1895	1900	5	Brown lime
1900	1910	10	Gray lime
1910	1915	5	Gray lime
1915	1920	5	Brown lime
1920	1930	10	Red shale and shells
1930	1945	15	Brown shale - bailing water
1945	1955	10	Lime shells and shale (bailed water out of hole, to 1950) hole 8" x 8"
1955	1970	15	Gray lime, shale and shells
1970	1985	15	Blue lime - hard
1985	1995	10	Gray sand
1995	2015	20	Hard gray sand - sharp
2015	2035	20	Gray sand
2035	2050	15	Hard gray sand

1910					
1915					
1920					
1930					
1945					
1955					
1970					
1985					
1995					
2015					
2035					

ГОС ОБОИГ ОК СВЗ МЕТТ

ДЕПАРТАМЕНТЪ ОФ ТЕХНИКЪ

RECEIVED
 RECEIPT NUMBER 030100
 T. S. IVAN OFFICE

(CONTINUED)

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the same and its results. Indicate where any changes made in the casing, state fully, and if any casing was "set back" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

FORMATION RECORD - Contin

From	To	Total Feet	Formation
2050	2100	50	Gray Sand sharp
2100	2110	10	Green Sand - hard
2110	2135	25	Hard gray sand - sharp
2135	2150	15	Gray shale and shells
2150	2157	7	Gray abandoned Red Mixed Shale
2157	2165	8	Red rock
2165	2180	15	Hard brown lime
2180	2195	15	Red and gray lime mixed
2195	2205	10	Lime shell
2205	2215	10	Red rock - hard
2215	2245	30	Red sand - hard
2245	2255	10	Brown sand - hard
2255	2265	10	Red Sand - hard
2265	2275	10	Brown sand - very fine and hard
2275	2295	20	Red sand
2295	2305	10	Yellow sand
2305	2325	20	Red rock
2325	2370	45	Red Sand
2370	2385	15	Red sand
2385	2405	20	Red shale - dark
2405	2425	20	Dark red shale
2425	2445	20	Dark red shale
2445	2465	20	Dark red shale
2465	2485	20	Red shale and shells
2485	2505	20	Dark brown shale and shells
2505	2525	20	Red shale and shells
2525	2545	20	Brown shale and shells
2545	2565	20	Red shale and shells
2565	2585	20	Dark sandy shale and shells
2585	2605	20	Dark Red Shale and Shells
2605	2620	15	Dark Brown Sandy Shale
2620	2640	20	Dark Red Shale and Shells
2640	2660	20	Dark sandy shale
2660	2685	25	Red rock and shells
2685	2695	10	Soft red rock
2695	2725	30	Gray shale
2725	2760	35	Gray shale
2760	2770	10	Gray shale
2770	2790	20	Gray lime - hard
2790	2800	10	Gray shale and gypsum shells
2800	2825	25	Gray shale and shells
2825	2830	5	Blue lime
2830	2845	15	Blue lime - hard
2845	2860	15	Gray shale and gypsum shells
2860	2885	25	Gray shale
2885	2895	10	Blue shale
2895	2920	25	Gray shale
2920	2930	10	Gray shale and gypsum
2930	2935	5	Gray shale gypsum
2935	2945	10	Gray and brown shale
2945	2975	30	Gray lime shells
2975	3000	25	Lime - hard
3000	3020	20	Gray lime
3020	3040	20	Hard dark sandy lime
3040	3048	8	Lime - hard
3048	3067	19	Lime - Hard
3067	3082	15	Hard gray lime
3082	3086	4	Red Sand sharp
3086	3096	10	Dark gray sand very fine and hard. 3093 first showing of C. O. 2 Gas
3096	3103	7	Hard Gray Sand and Lime Slight increase in Gas
3103	3108	5	Gray sandy lime banded to yellow gas sand
3108	3114	6	Gas sand tested 2,780,000 cu. ft. Shut in pressure raises to 750 lbs. Tests made June 15th, 1930

POOR COPY

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. Land Office
Salt Lake City
028100
Serial Number
Permit
Lease or Permit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING	
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATING CASING	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 4, 1933, 19

Following is a ~~report of work done~~ on land under ~~lease~~ permit described as follows:

Utah Carbon Farnham Dome
(State or Territory) (County or Subdivision) (Field)
Well No. 1 SE 1 SW 1 Sec. 12 15 S. 11 E. 6th P. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 1890 ft. ~~SW~~ S of N line and 275 ft. ~~SW~~ W of E line of sec. 12

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

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

The following information relative setting of casing, cementing, and testing for water shut-off is submitted to complete the records of this well:

February 6, 1930 ran 5 joints, 112', of 15" casing to shut off cave at about 100'.

April 30, 1930 recovered all 15" casing.

March 23, 1930 cemented 1460' of 12" casing to shut-off water.

March 30, 1930 water shut-off test witnessed and approved by District Engineer, U. S. Geological Survey.

April 19, 1930 mudded 1895' of 10" casing to shut off water encountered at 1505 to 1515'.

April 23, 1930 tested water shut-off by bailing hole dry. No water.

June 30, 1930 cemented 3049', 8-5/8" casing with 25 sacks.

June 10, 1930 water shut-off test witnessed and passed by U. S. G. S. Approved as a matter of record

Company Carbon Dioxide & Chem. Co.

April 4, 1933

[Signature]

By *[Signature]*

Title District Engineer

Title Manager

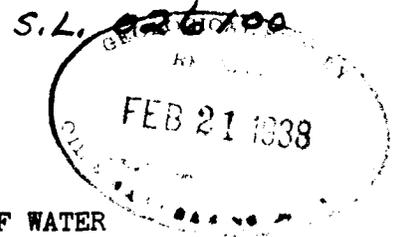
Address 306 Federal Bldg. Salt Lake City, Utah

Address P. O. Box 110 Price, Utah.

9-546-b
(August, 1932)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Laboratory - Minnet, Wyoming



INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF WATER

Marks on container Lab. No. 22-403 (Filled by Chemist)
SOURCE OF SAMPLE:

Field Fountain, Carbon County, Utah Farm or {Permit Salt Lake City 025100
LEASE (Serial Number)

Operator Carbon Dioxide and Chemical Co. Operator's Address

Well No., $\frac{1}{4}$ Sec., T., R., M.

Sample taken by Date taken

If known, name of sand (or formation) from which this sample is produced
(If doubtful, so state)

Depth to top of sand Depth to bottom of sand

Depth well drilled Present depth

Depths (if known) where water encountered

Depth at which water string is landed, cemented, mudded

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)
.....

Method of production (flowing, pumping, air, etc.)

Initial production:	Present production:
Barrels Oil	Barrels Oil
Barrels Water	Barrels Water
Gas Volume	Gas Volume
Rock Pressure	Rock Pressure

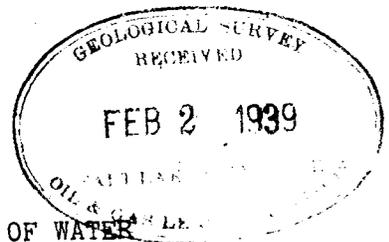
REASON FOR ANALYSIS:

- (1) Future reference:
- (2)
- (3) Correlation:
- (4)

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

9-546-b
(August, 1932)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Laboratory - Midwest, Wyoming.

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF WATER

Marks on container Lab. No. 20-100 (Filled by Chemist)
SOURCE OF SAMPLE:

Field Parish Dome, Utah Farm or Lease Salt Lake City 086100-A
(Serial Number)
Operator Carbon Dioxide & Chemical Co. Operator's Address Price, Utah

Well No. 2 SW, $\frac{1}{4}$ Sec. 18, T. 15 S, R. 11 E., M. S.L.

Sample taken by E. W. Henderson Date taken 1-21-33

If known, name of sand (or formation) from which this sample is produced Cocconino (?)
(If doubtful, so state)

Depth to top of sand 3086 Depth to bottom of sand 3114

Depth well drilled 3114 Present depth 3114

Depths (if known) where water encountered 1186-1170, 1481-1459, 1500-1508

Depth at which water string is landed, cemented, mudded 6-5/8" casing cemented 3048

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)

Sample bailed from hole at 2380' under pressure by using temperature observation machine.

Method of production (flowing, pumping, air, etc.) Flowing

Initial production:	<u>None</u>	Present production:	<u>None</u>
Barrels Oil	<u>None</u>	Barrels Oil	<u>None</u>
Barrels Water	<u>None</u>	Barrels Water	<u>Some. Exact amount not</u>
Gas Volume	<u>2,780,000</u>	Gas Volume	<u>determinable. Probably few</u>
Rock Pressure	<u>780</u>	Rock Pressure	<u>585 gallons.</u>

REASON FOR ANALYSIS:
(1) Future reference: Probable aid in determining source of water being produced with gas.
(2)
(3) Correlation:
(4)

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork immediately after sampling and label all samples so that there will be no doubt as to their origin.

WATER ANALYSIS

Condition of Sample Laboratory No. **39-533**

Analyzed by **J.G. Crawford** at **Midwest, Wyoming** Date **1-31-59**

Reacting Values

	Parts per million	Reacting Value value	in per cent
Sodium and Potassium (calculated as Sodium)	422	12.26	12.70
Calcium (Cal)	374	43.62	32.53
Magnesium (Mg)	61	5.02	3.75
Iron (Fe)	Present		
Sulphate (SO ₄)	509	11.83	8.83
Nitrate (NO ₃)			
Chloride (Cl)	172	4.85	3.62
Carbonate (CO ₃)			
Bicarbonate (HCO ₃)	3070	50.32	37.55
Carbon dioxide (CO₂)	Present		
Hydroxide (OH)			
Silica (SiO ₂)			
Hydrogen Sulphide (H ₂ S)			

Total solids
in parts per million

By evaporation **3759**

After ignition **3434**

Calculated **3007**

Properties of reaction in
per cent

Primary salinity **24.30**

Secondary salinity **0.00**

Primary alkalinity **2.50**

Secondary alkalinity **72.60**

Chloride salinity **29.09**

Sulphate salinity **70.91**

Remarks and conclusions **Cecamine water (?)**

(SUBMIT IN TRIPPLICATE)

Lead Office Salt Lake

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. 026100 (a)

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 22, 19 56

Well No. 2 is located 750 ft. from S line and 275 ft. from E line of sec. 12 ^{8 W 1/4}

8 E of 8 W 12 15 S 11 E Salt Lake
(14 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Fernhan Dome Carbon Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5260 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We have noticed a leakage of CO₂ gas and water at the top of the casing of our well #2 as described above and propose to ascertain if possible where the leakage occurs in the casing, failing to determine the exact location and to decide upon corrective measure we propose to run $5\frac{1}{2}$ inch casing to the producing formation which occurs at approximately 3100 feet. The $5\frac{1}{2}$ inch casing to be run inside of the 8 5/8 inch casing and approximately 25 feet above the bottom of the hole place a resin-cement ^{packer} plug or some other suitable material. After the plug has set up in a firm hard mass the plug will be drilled to permit running the $5\frac{1}{2}$ inch casing down to the producing zone. We propose to have Johnny Moore of Prove do this work for us as soon as possible in order to prevent the waste of CO₂ gas.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Carbon Dioxide & Chemical Company
Address 648 South 1st West Street
Salt Lake City,
Utah

Approved MAY 22 1956
By Arthur E. Goodwin
District Engineer
Title Vice Pres. & Gen'l Mgr.

PAGE 2 - LOG OF CARBON DIOXIDE & CHEMICAL CO WELL NO. 1

2165	2180	hard brown lime
2180	2195	red & gray lime mixed
2195	2205	lime shell
2205	2215	red rock hard
2215	2245	red sand hard
2245	2255	brown sand hard
2255	2265	red sand hard
2265	2275	brown sand very fine & hard
2275	2295	red sand
2295	2305	yellow sand
2305	2325	red rock
2325	2370	red sand
2370	2385	red sand
2385	2405	red shale - dark
2405	2425	dark red shale
2425	2445	dark red shale
2445	2485	red shale & shells
2485	2505	dark brown shale & shells
2505	2525	red shale & shells
2525	2545	brown shale & shells
2545	2565	red shale & shells
2565	2585	dark sdy shale & shells
2585	2605	dark red shale & shells
2605	2620	dark brown sdy shale
2620	2640	dark red shale & shells
2640	2660	dark sdy shale
2660	2685	red rock & shells
2685	2695	soft red rock
2695	2725	gray shale
2725	2770	gray shale
2770	2790	gray lime hard
2790	2800	gray shale gypsum shells
2800	2825	gray shale & shells
2825	2845	blue lime
2845	2860	gray shale & gypsum shells
2860	2885	gray shale
2885	2895	blue shale
2895	2920	gray shale
2920	2935	gray shale & gypsum
2935	2945	gray & brown shale
2945	2975	gray lime shells
2975	3000	lime hard
3000	3020	gray lime
3020	3040	hard drak sdy lime
3040	3067	hard lime
3067	3082	hard gray lime
3082	3086	red sand sharp
3086	3096	drk gray sand very fine & hard; 3093 first showing Co2 Gas
3096	3103	hd gray sand & lime slight increase in Gas
3103	3108	gray sdy lime banded to yellow Gas sand
3108	3114	Gas sand tested 2,780,000 cu. ft; Shut in press. raises to 750#; Tests made June 15th, 1930.

FARNHAM DOME - Carbon County

12-15S-11E E SE $\frac{1}{4}$ SW $\frac{1}{4}$, Carbon Dioxide & Chemical Co. Well #1 (S.L. 026100-A)

Ref. No. 2. (MARCH, 1939)

X STATUS: PGW. T.D. 5114'. (Visited 3-14-39).

REMARKS: A steel derrick was erected over this well and rigged up with cable tools preparatory to cleaning out the approximately 50 feet of cavings and 800 feet of water determined to be present by use of the temperature observation machine. When all small fittings were removed from the wellhead and control valve opened to permit running tools, the well unexpectedly started to flow water and mud.

(Continued on next sheet)

After flowing for about ten minutes, during which time water and cavings accumulated in the hole were apparently blown out, the well began to make dry gas in apparently increased volume. A gauge measurement showed rock pressure to be 750 lbs., which is the same as when the well was originally completed. A test run of the dry-ice plant showed the well capable of producing sufficient gas for making about one ton of dry ice per hour, plant capacity, with a delivery pressure of 622 pounds at the plant. Previous runs at the plant were limited to less than 15 tons per day with a delivery pressure of 450 to 480 pounds. The remarkable recovery of the well indicates a supply of gas sufficient to meet plant requirements is still available, and proposed plans for drilling a second well will not be carried out immediately. It is probable a one-inch syphon will have to be run later to prevent water accumulating in the hole.

FARNHAM DOME - Carbon County

12-15S-11E E SE $\frac{1}{4}$ SW $\frac{1}{4}$, Carbon Dioxide & Chemical Co., Well #1 (S.L. 026100-A)

Ref. No. 2. (APRIL, 1939)

✓ STATUS: PGW. T.D. 3114'. (Visited 4-21-39).

REMARKS: Further testing of this well during April showed it to have a rock pressure and volume equal to or better than when completed and that water production has increased to such an extent that it will be necessary to devise some method for its removal. The company is considering installation of a syphon string.

9-546-a
(August, 1932)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Laboratory -

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF GAS

Marks on container Lab. No. (Filled by Chemist)
SOURCE OF SAMPLE:

Field **Farmham** Farm or ~~Lease~~ **Lease** **Salt Lake City 686200-A**
(Serial Number)

Operator **Carbon Dioxide & Chemical Co.** Operator's Address **Price, Utah**

Well No. **1** $\frac{1}{4}$ Sec. **13**, T. **15** S. R. **11 E** M. **S. L. N.**

Sample taken by **E. H. Henderson** Date taken **July 12, 1932**

If known, name of sand (or formation) from which this sample is produced **Socorro(?)**
(If doubtful, so state)

Depth to top of sand **3048** Depth to bottom of sand **3114**

Depth well drilled **3114** Present depth **3114**

Depths (if known) where water encountered **1150-1170, 1451-1459, 1800-1808.**

Depth at which water string is landed, cemented, mudded **3 1/8" casing cemented at 3048**

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)
..... **Sample obtained from valve at well head.**

Method of production (flowing, pumping, air, etc.) **Flowing**

Initial production:	Present production:
Barrels Oil None	Barrels Oil None
Barrels Water None	Barrels Water None
Gas Volume 2,780,000	Gas Volume 1,800,000
Rock Pressure 780	Rock Pressure 590

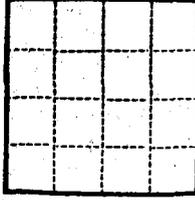
REASON FOR ANALYSIS:

- (1) Future reference:
- (2) **Comparison with previous analyses for possible change of constituents.**
- (3) Correlation:
- (4)

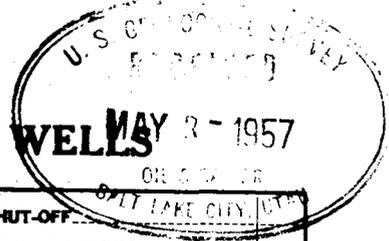
Note: A sample for analysis is of no value unless accompanied by above information
Complete information on this form is to be attached to each sample container; other-
wise sample will be disregarded. Be sure to seal or tightly cork all containers
immediately after sampling and label all samples so that there will be no confusion.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake
Lease No. 026100-A
Unit _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	X
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 2 is located 750 ft. from N line and 275 ft. from E line of Sec. 12
SE SW 15 S 11 E SL T. 11 N.
 (4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Parrish Carbon Utah
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5000 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Leak of Carbon Dioxide gas was coming up between the 10" casing and the 12 1/2" casing (perhaps migratory gas). Halliburton was called in twice, once to pump 225 sacks of Baried to drown out the leaking gas and later to place 200 sacks of cement and 25 sacks of Cal-Seal between the 10" and 12 1/2" casings. This effectively stopped the leaks. The Prove Drilling Co. (Jonny Moore) moved a Bucyrus Erie rig on location and fished out 2500 feet of 1 1/2" corroded tubing- the balance of tubing (500 feet) exploded out of the hole clearing the 8" production string. The well is now being put on production. Workover operations completed May 2, 1957.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Carbon Mexico & Chemical Co.

Address 648 South 1st West Street

Salt Lake City, Utah

Approved MAY 9 - 1957
D. F. [Signature]
District Engineer

By Arthur E. Goodwin
Arthur E. Goodwin
Title Vice Pres. & Gen'l Mgr.

ORIGINAL FORWARDED

PWB

Carbon
disoxide
SGD

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah, 84111

April 15, 1970

Mr. George H. Mohr 359-3735
Mariani Air Products Co.
P.O. Box 16007
Salt Lake City, Utah 84116

one copy in each file

Dear Mr. Mohr:

Attached is a diagrammatic sketch of well No. 2, SE1/4 sec. 12, T. 15 S., R. 11 E., lease Salt Lake 026100(a), as you requested. I am also attaching another copy of the sketch of well No. 4, as I find the formation tops originally reported for No. 4 and shown on the sketch furnished on April 8 have since been revised. The confusion was apparently due to faulting and erroneous interpretation and the CO₂ production is from the Navajo formation, not the Coconino. Also attached are copies of various notices, etc. on well No. 2 for your files.

A suggested plugging program for well No. 2 would be to kill the well, remove the tubing, place a 300' cement plug at the total depth extending up into the 8 5/8" casing; cut and pull all 8 5/8" casing possible and place a 100 to 200' cement plug on the stub of the 8 5/8" casing. Depending on the depth of placement of the cement in 10 - 12 1/2" annulus in 1957, it may be possible to pull some of the 10 or 12 1/2" pipe and completely cement some intervals of the hole as it is felt that the surface leakage near this well probably is due to leakage through or around the upper casing strings. In any event, there should be one or two additional plugs in the upper portion of the hole and in any open annulus at the top. Heavy drilling mud or highly viscous fluid must be placed between all plugs. Also a standard dry hole marker must be erected.

Perhaps Mr. Hartley can advise us of the details of the 1957 job and the final plugging program may depend on this information and the conditions encountered upon reentering this well.

I am pleased that you are considering the abandonment of this well at this time. If you need additional information or plan to plug well No. 3 also, please contact me.

Sincerely yours,

(ORIG. SGD.) R. A. SMITH

Rodney A. Smith,
District Engineer

Attachments
cc: State O&G Con. Div. ✓

Land Office
Post Office Box No. 11505
Salt Lake City, Utah 84111

May 12, 1970

DECISION

Principal:	Surety:
Carbonic Engineering Co.	Fireman's Fund Ins. Co.
P.O. Box 8	c/o Sinclair-Dwyer & Co.
Lathrop, Calif. 95330	322 Pine St.
	San Francisco, Calif. 94104

Bond Accepted

The \$5,000 bond, No. SL 6219215, filed May 11, 1970, with Carbonic Engineering Company as principal, and Fireman's Fund Insurance Company as surety, has been examined, found to be satisfactory and is accepted as of date of filing.

The principal and surety have agreed to accept liability for the shut-in CO₂ wells located on the leasehold.

/s/ F. S. Kirk
F. S. Kirk
Chief, Adjudication Branch

cc:
Surety
USSS Casper (3)

LHM:Tholmberg:mg

API NO. 43-007-15114
SEC. 12, T. 15S, R. 11E
CARBON COUNTY, UTAH

NOTES FROM COVER ON OLD WELL FILE

CALLED MR. MOHR 6/30/70 AND REQUESTED ACTION BE TAKEN. HE JUST
RECEIVED BID FROM D & D CASING PULLERS AND WILL FORWARD A LETTER OF
PLANS. PMB

July 10, 1970

Vernon Romney, Attorney General
State of Utah
236 - State Capitol Building
Salt Lake City, Utah 84114

Re: Farnham Dome Unit #2 & #4 wells,
Sec. 12, T. 15 S, R. 11 E,
Carbon County, Utah

Dear Sir:

Since 1962, this Division and the U.S. Geological Survey have been trying to coerce the owner of the oil and gas lease covering Section 12, Township 15 South, Range 11 East, to plug-off a CO₂ leak located approximately 50 feet from the Unit #2 well head. The original lessee, Carbon Dioxide and Chemical Company, insisted that said leak was actually a natural geyser and had no connection with the well itself. Unfortunately, at that time, it was impossible to disprove this theory. Very recently, both of the above referred to wells have blown-out and caused extensive cratering around the well heads. This makes for a very hazardous situation should any individual or animal venture to close to the holes.

In the opinion of this office and the U.S. Geological Survey, these wells must be plugged as soon as possible. However, in the interim it is recommended that a fence be erected around the periphery of both wells to prevent any possible injury or death.

Prior to these wells cratering, the Mariani Air Products Company purchased said property from the Carbon Dioxide and Chemical Company. Mr. George H. Mohr, a representative of the present owner, feels that his organization is not liable for the existing conditions. This being a question only the courts can answer, you are hereby requested to take the necessary legal action against the Mariani Air Products Company and Carbon Dioxide and Chemical Company to have said wells plugged and abandoned. (It might be noted that there is a federal ruling that the present owner of an oil and gas lease is not responsible where he has never utilized the wells drilled prior to the date he acquired the lease.)

Vernon Romney, Attorney General
Page 2
July 10, 1970

You are urged to proceed with the utmost expediency due to the dangerous conditions presently existing, and the extensive waste that is taking place.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey, 8416 Federal Building, Salt Lake City, Utah
U.S. Geological Survey, 305 Federal Building, Casper, Wyoming
Mariani Air Products Company, 614 West 6th South, Salt Lake City, Utah
Carbon Dioxide and Chemical Company, 415 West 2nd South, Salt Lake City



CALVIN L. RAMPTON
Governor

OIL & GAS CONSERVATION BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
328-5771

DELBERT M. DRAPER, JR.
Chairman
CHARLES R. HENDERSON
ROBERT R. NORMAN
WALLACE D. YARDLEY
WESLEY R. DICKERSON

July 14, 1970

Vernon Romney, Attorney General
State of Utah
236 - State Capitol Bldg.
Salt Lake City, Utah 84114

Dear Sir:

Attached is a copy of a letter this Division forwarded to you
on July 10, 1970. Please note the following change on page 2:

Carbon Dioxide and Chemical Company
Attn: David I. Wendel, Attorney
1020 Central Building
Oakland, California 94612

Thank you,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey, 8416 Federal Building, Salt Lake City, Utah

U.S. Geological Survey, 305 Federal Building, ~~Denver, Colorado~~ Casper, Wyoming

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 20, 1970

Carbonic Engineering Company
P. O. Box 8
Lathrop, California 95330

Gentlemen:

Please refer to records for your Federal lease Salt Lake 026100(a), covering 559.60 acres, more or less, in the S $\frac{1}{4}$ section 12, and lots 1 and 2, NE $\frac{1}{4}$ section 13, T. 15 S., R. 11 E., Farnham Dome field, Carbon County, Utah.

Following a recent discussion with Mr. George Mohr, Mariani Air Products Co., at the office of the Utah Division of Oil and Gas Conservation concerning the status of three shut-in CO₂ gas wells on lease SL-026100(a), we have reviewed our records to determine the following:

By BLM assignment effective June 1, 1970, Carbonic Engineering Company became lessee of record (100%) for lease SL-026100(a), formerly held by Farnham Dome Petroleum Company as lessee of record (100%).

By BLM decision dated 5-12-70, the \$5,000 bond No. SL6219215 filed 5-11-70 for lease SL-026100(a) with Carbonic Engineering Company as principal and Fireman's Fund Insurance Company as surety, and with the principal and surety agreed to accept liability for the shut-in CO₂ wells located on the leasehold, was accepted as of the date of filing.

By BLM decision dated 6-16-70, the period of liability under the \$5,000 bond No. L-613-0263 filed 4-12-65 for lease SL-026100(a) with Farnham Dome Petroleum Company and Carbon Dioxide and Chemical Company as principals and Fireman's Fund Insurance Company as surety, was terminated effective 6-2-70.

By BLM decision dated 7-14-69 for "Assignment of Operating Rights Approved", this decision says that on 6-1-67 an assignment of Operating Rights was entered into between Carbon Dioxide and Chemical Company and Mariani Air Products Company covering all of the land in the following oil and gas leases:

SL-026100(a)
SL-026100(b)

By Operating Agreement dated 12-18-29, Carbon Dioxide and Chemical Company acquired operating rights on leases SL-026100(a) and (b).

Our records show that Rodney A. Smith, former district engineer in this office, and George Mohr of Mariani Air Products Company, holder of operating rights on SL-026100(a), have negotiated and corresponded about plugging requirements for the following two shut-in CO₂ wells on this lease:

Well #2, SE $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 12, T. 15 S., R. 11 E.
Well #4, NW $\frac{1}{2}$ SE $\frac{1}{2}$ sec. 12, T. 15 S., R. 11 E.

Enclosed are photocopies of correspondence from our files concerning this matter as follows:

1. Letter to Mariani Air Products Co. dated 3-31-70.
2. Letter to Mariani Air Products Co. dated 4-8-70.
3. Letter to Mariani Air Products Co. dated 4-15-70.
4. Letter from Cleon B. Feight, Director, Division of Oil and Gas Conservation, Utah, to the Attorney General, State of Utah, dated 7-10-70.

Of immediate importance is the requirement of the second paragraph of Mr. Feight's letter to the Attorney General of Utah, whereby it is recommended that a fence be erected around the periphery of cratered wells No. 2 and No. 4 to aid in the prevention of possible injury or death.

Mr. Mohr of Mariani Air Products Co. has been negotiating with Johnny Moore, local drilling contractor, to contract for the plugging of wells No. 2 and No. 4. However, to our knowledge Mariani has never performed any operations on this lease since acquiring operating rights.

The Survey, therefore, looks to the lessee of record who is also the principal on the lease bond conditioned for the plugging of wells No. 2 and No. 4 on this lease, for the performance of the necessary plugging operations.

Please notify this office immediately of your plans to provide for the plugging of wells No. 2 and No. 4, and to construct the recommended fence around these two wells on this lease.

If this office does not receive your reply, we will have to call on the bonding company to perform the necessary well plugging operations.

This office will cooperate with Mr. Paul Burchell of the Utah Division of Oil and Gas Conservation regarding details of the necessary plugging procedures.

Sincerely yours,

John V. Finnegan
Acting District Engineer

Enclosures

Copies to:

Mariani Air Products Co.
614 West 6th South
P. O. Box 16007
Salt Lake City, Utah 84116

Fireman's Fund Ins. Co.
c/o Sinclair-Dwyer & Co.
322 Pine Street
San Francisco, California 94104

Utah Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

707 34 1210

ORR, HEURING & WENDEL

ATTORNEYS AT LAW

1020 CENTRAL BUILDING

OAKLAND, CALIFORNIA 94612

AREA CODE 415 834-6600

MARION W. HEURING
(1907 - 1961)

J. CLAYTON ORR
DAVID I. WENDEL
LAWRENCE S. SIMON
VICTOR D. ROSEN
DONN L. BLACK
WALTER M. SCHEY
NEIL R. ANDERSON
STEVEN KAY
MICHAEL A. DEAN

July 28, 1970

John V. Finnigan
Acting District Engineer
United States Department of Interior
Geological Survey
8416 Federal Building
Salt Lake City, Utah 84111

Re: Carbonic Engineering Company
Salt Lake Lease 026100(a)

Dear Mr. Finnigan:

As I indicated to you in my letter of July 24, 1970, this office is general counsel for Carbonic Engineering Company, of Lathrop, California.

We are presently looking into this matter to determine our client's liability with respect to the subject wells.

We notice that Mr. Cleon B. Feight in his letter of July 10, 1970, addressed to the Utah Attorney General, refers to a federal ruling that "the present owner of an oil and gas lease is not responsible where he has never utilized the wells drilled prior to the date he acquired the lease".

Would you please be kind enough to refer us to the specific Federal Regulation Mr. Feight is referring to? We are unable to locate such a regulation in Title 43 of the Code of Federal Regulations.

Please contact the undersigned as soon as possible so that we may settle this matter in the near future.

Very truly yours,

ORR, HEURING & WENDEL

MAD:mvj

cc: Mr. Henri deLotty
Mariani Air Products Co.
Firemen's Fund Insurance Co.
Utah Division of Oil and Gas Conservation
Vernon Romney, Attorney General

Michael A. Dean

PMB

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

July 31, 1970

Mr. Michael A. Dean
Orr, Heuring & Wendel
Attorneys at Law
1020 Central Building
Oakland, California 94612

Dear Mr. Dean:

By letter of July 28, 1970, you asked of this office the specific Federal Regulation in 43 CFR that referred to the Federal ruling that "the present owner of an oil and gas lease is not responsible where he has never utilized the wells drilled prior to the date he acquired the lease."

We are not aware of any provision of 43 CFR which contains the statement referred to in your letter. We call your attention to 43 CFR 3128.2(e) which provides that after approval of an assignment the assignee or sub-lessee and his surety are responsible for all lease obligations.

When Carbonic Engineering was assigned the Lease Record Title of this lease, the assignment was approved by the Land Office on the condition that a bond be furnished by Carbonic Engineering, conditioned to accept all liability for the shut-in CO₂ wells located on the leasehold. Since the principal and surety agreed to accept liability for these wells, the assignment was approved and the bond of the former lessees, Farnham Dome Petroleum Co. and Carbon Dioxide & Chemical Co., was allowed to terminate.

By decision of July 14, 1969, Mariani Air Products Co. was granted an assignment of Operating Rights for lease SL-026100(a) and SL-026100(b). Title 43 Code of Federal Regulations 3126.1(c) states "An operator or, if there is more than one operator covering different portions of the lease, each operator may furnish a \$10,000 general lease bond in his own name as principal on the bond in lieu of the lessee."

Since Carbonic Engineering is the lessee of record and has conditioned its bond to accept liability for the wells on the lease and Mariani Air Products has not supplied a bond nor utilized the wells drilled, Carbonic Engineering is responsible for the wells.

Sincerely yours,

Org. /s/Bernard Moroz

Bernard Moroz

Acting District Engineer

cc: Utah Division of Oil & Gas Conservation

WRE 3 1830

ORR, HEURING & WENDEL

ATTORNEYS AT LAW
1020 CENTRAL BUILDING
OAKLAND, CALIFORNIA 94612
AREA CODE 415 834-8000

MARION W. HEURING
(1907 - 1951)

J. CLAYTON ORR
DAVID I. WENDEL
LAWRENCE S. SIMON
VICTOR D. ROSEN
DONN L. BLACK
WALTER M. SCHEY
NEIL R. ANDERSON
STEVEN KAY
MICHAEL A. DEAN

August 4, 1970

**Mariani Air Products Co.
P. O. Box 1607
Salt Lake City, Utah**

Re: Federal Lease SL026100(a)

Gentlemen:

This firm is general counsel for Carbonic Engineering Company of Lathrop, California, successor in interest to Carbonic Dioxide & Co., with respect to the above lease.

We are writing this letter in connection with a letter dated July 20, 1970, our client received from the Bureau of Land Management in regards to work required to wells number 2 and number 4 on the land covered by the above lease.

It is the opinion of this firm that your company is responsible to do the corrective work to the wells. In support of our position we refer you to paragraph 5(e) page 4 of the Option Agreement dated March 8, 1967, between Carbon Dioxide & Chemical Company, as seller, and Ernest F. Mariani and Ernest D. Mariani, as buyer, which provides:

"CO-2 rights covered by this option are subject to all of the terms and conditions of the leases and Buyer agrees to comply with the requirements thereof and regulatory provisions of applicable law, regulation or the leases, and to indemnify Seller against claims, expenses, losses or liability to the extent of the CO-2 rights by reason of Buyer's failure so to comply with such leases and laws."

Because of the urgency involved in this matter, we must hear from you regarding your position no later than noon, Monday, August 10, 1970.

O. H. & W. TO **Mariani Air Products Co.**

W000 1 1850
DATE **8/4/70**

P. 2

Be advised that if you refuse to do the corrective work, our client will have no alternative but to do the work for your behalf and then seek reimbursement from you for all costs and expenses incurred therewith. In that connection, we call to your attention paragraph 14 of the Option Agreement which provides:

"The parties hereby agree that should it become necessary for either party to bring an action against the other to enforce any of the terms hereof, the prevailing party shall be entitled to payment from the other for its reasonable attorney's fees and expenses as the court may deem reasonable, and the right to such attorney's fees and expenses shall be deemed to have accrued on the commencement of such action and shall be enforceable whether or not such action is prosecuted to judgment and if prosecuted to judgment, such fees shall be included in said judgment."

Very truly yours,

ORR, HEURING & WENDEL

Michael A. Dean

MAD:mvj

cc: Mr. Henri deLotty, Sr.
Bernard Moxez
Firemen's Fund Insurance Company
Utah Division of Oil and Gas Conservation
Vernon Romney, Attorney General

PHB

ORR, HEURING & WENDEL

ATTORNEYS AT LAW
1020 CENTRAL BUILDING
OAKLAND, CALIFORNIA 94612
AREA CODE 415 834-8600

MARION W. HEURING
(1907 - 1961)

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LAWRENCE S. SIMON
VICTOR D. ROSEN
DONN L. BLACK
WALTER M. SCHEY
NEIL R. ANDERSON
STEVEN KAY
MICHAEL A. DEAN

August 14, 1970

Bernard Moroz, Acting District Engineer
United States Department of Interior
Geological Survey
8416 Federal Building
Salt Lake City, Utah 84111

Mariani Air Products Co.
614 West Sixth South
P. O. Box 16007
Salt Lake City, Utah 84116

Fireman's Fund Insurance Co.
c/o Sinclair-Dwyer & Co.
322 Pine Street
San Francisco, California 94104

Utah Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Vernon Romney, Attorney General
State of Utah
236 State Capital Building
Salt Lake City, Utah 84114

Re: Federal Lease SL026100(a)

Gentlemen:

We are writing this letter on behalf of Carbonic Engineering Company of Lathrop, California, in connection with the two leaking wells covered by the subject Lease.

Be advised that our client is going to take whatever action is necessary in order to complete the required corrective work to the two wells. In that connection, our client will be communicating directly with all interested persons.

Very truly yours,

ORR, HEURING & WENDEL



Michael A. Dean

MAD:mvj
cc: Henri deLotty

ORR, HEURING & WENDEL

ATTORNEYS AT LAW

1020 CENTRAL BUILDING

OAKLAND, CALIFORNIA 94612

AREA CODE 415 834-8600

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VICTOR D. ROSEN
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WALTER M. SCHEY
NEIL R. ANDERSON
STEVEN KAY
MICHAEL A. DEAN

September 1, 1970

Rudolph Baer, District Engineer
United States Department of Interior
Geological Survey
8416 Federal Building
Salt Lake City, Utah 84111

Paul Burshell
Utah Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: Federal Lease SL 026100(a)

Gentlemen:

As you know, this office is general counsel for Carbonic Engineering Co., Lathrop, California. This letter is written to outline the agreement reached between our client and yourselves with respect to the corrective work to wells number two and four covered by subject lease.

We understand the agreement to be as follows:

1. Upon receipt of an executed copy of this letter from each of you, our client through Mr. Johnny Moore of Cisco, Utah, will forthwith commence plugging one of the two wells as designated by you.
2. Upon completion of the plugging of the first well as provided above, you agree to immediately re-examine the situation to determine whether well number one is in fact causing the existing problems at wells number two and four.
3. In the event, after your re-examination of the situation, you determine the cause of the problem to be from well number one, you will forthwith notify our client of said determination, in which event our client shall not be obligated to do any further work on the second well and shall be fully and finally released and discharged of its liabilities and obligations arising out of subject lease.

4. In the event, however, after your re-examination of the situation, you determine the cause of the problem not to be from well number one, you will forthwith notify our client of said determination, in which event our client, through Mr. Moore, will forthwith commence plugging the second well. Upon completion of the plugging of the second well, our client shall be fully and finally released and discharged of its liabilities and obligations arising out of subject lease.

5. The above plugging work shall be carried out pursuant to procedures you shall outline, and shall be subject to your supervision.

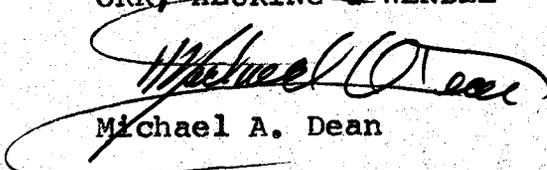
6. The releases of liability provided in paragraphs 3 and 4 above, shall fully and finally settle all demands, charges, claims, accounts or causes of action of whatsoever nature and character that arose out of subject lease and/or all transactions related thereto.

Please indicate your acceptance of the foregoing by signing the enclosed copy of this letter where indicated below for return to the undersigned in the enclosed self-addressed envelope.

Please do not hesitate in contacting the undersigned if you should have any questions and/or comments in connection with this letter.

Very truly yours,

ORR, HEURING & WENDEL



Michael A. Dean

MAD:mvj
Enclosure

cc: Mr. Edward Schneider
Nathan J. Fullmer, Esquire
Firemen's Fund Insurance Co.
Vernon Romney, Attorney General

AGREED:

Utah Division of Oil and Gas Conservation

By _____

Dated _____ September _____, 1970

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

September 16, 1970

Mr. Michael A. Dean
Orr, Huring & Wendel
1020 Central Building
Oakland, California 94612

Re: Federal oil and gas lease SL-026100(a)
Well No. 2, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T15S, R11E
Well No. 4, NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T15S, R11E
Carbonic Engineering Company

Dear Mr. Dean:

This is to acknowledge receipt of your letter of September 1, 1970, on behalf of your client, Carbonic Engineering Company of Lathrop, California, describing the procedure to be followed in plugging the referenced wells in an attempt to correct the dangerous condition created by gas leaks near the wells.

The procedure you have described is satisfactory to this office insofar as the sequence of work is concerned. I understand that the contractor, Mr. Johnny Moore of Cisco, Utah, is fully advised regarding the plugging requirements previously established by Mr. Rodney A. Smith. If Mr. Moore does not have the plugging programs for both wells, I will be available at any time to provide him with them. Mr. Moore must contact this office prior to commencing work on the wells.

Those parts of your letter stating in numbered paragraph 3 ". . . in which event our client shall not be obligated to do any further work on the second well and shall be fully and finally released and discharged of its liabilities and obligations arising out of subject lease." and in numbered paragraph 4 "Upon completion of the plugging of the second well, our client shall be fully and finally released and discharged of its liabilities and obligations arising out of the subject lease." and all of numbered paragraph 6 are not acceptable to this office. Carbonic Engineering Company has accepted liability not only for the two referenced wells but also for well No. 3, NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 15 S., R. 11 E. Therefore, until such time as all three of the wells have been approved as plugged and abandoned by the Geological Survey, this office cannot recommend release of liability nor even recommend that the period of liability of Carbonic Engineering Company's bond be terminated. Further, the Geological Survey does not have authority

to release liability for operations conducted on Federal land under Federal oil and gas leases. Authority to terminate the period of liability of the lessee's bond rests with the Bureau of Land Management but even if the bond is released, liability for the wells will remain with Carbonic Engineering Company.

Please refer to 30 CFR 221.18 (copy enclosed) which partially provides:

"The lessee . . . shall take all reasonable precautions to prevent . . . injury to life or property"

Some of the analyses in our files show the presence of Hydrogen Sulfide (H₂S) in the gas produced from the wells. Hydrogen Sulfide is an extremely toxic gas. In addition the physical conditions created by the leaks near the wells constitute a public health hazard.

Your letter dated August 14, 1970, advised "Be advised that our client is going to take whatever action is necessary in order to complete the required corrective work to the two wells." Therefore, any delay past October 1, 1970, in commencing corrective work will be regarded as wilful violation of 30 CFR 221.18 and this office will recommend action be instituted under 30 CFR 221.53, Shutting down Operations; Lease Cancellations, and 30 CFR 221.54, Liquidated Damages, with specific reference to subparagraphs (a) and (h). We also hope you are aware that if a determination is made by this office that Carbonic Engineering Company's actions constitute wilful violation of the regulations, and this determination is deemed valid by the Justice Department, criminal prosecution in the courts may be in order.

Sincerely,



Gerald R. Daniels
District Engineer

Enclosure

cc: Carbonic Engineering Co.
Mariani Air Products Co.
Fireman's Fund Insurance Co.
✓ Utah Division of Oil and Gas Conservation
Vernon Romney, Attorney General
Attn. Sheridan McGarry

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

September 22, 1970

Mr. John Moore
Cisco, Utah

Re: Federal oil and gas lease SL-026100(a)
Well No. 2, SE $\frac{1}{4}$ sec. 12, T15S, R11E
Well No. 4, NW $\frac{1}{4}$ sec. 12, T15S, R11E
Carbonic Engineering Company

Dear Mr. Moore:

In accordance with your telephone inquiry of September 21, 1970, the following plugging programs are outlined for the referenced wells:

Well No. 2

- (1) Kill well with mud of sufficient density to completely stop all gas flow.
- (2) Place 300' cement plug from total depth upward extending up into the 8 5/8" casing.
- (3) Cut and pull all 8 5/8" casing possible.
- (4) Place 200' cement plug at stub of 8 5/8" casing.
- (5) If 8 5/8" casing is pulled from below 1900', a 100' plug should be placed from 1925' to 1825', across shoe of 10" casing.
- (6) Test 10" casing to see if any of it can be recovered. If no 10" can be pulled, pressure test 10" casing to see if it is leaking. If 10" casing is leaking, locate leaks and squeeze 50 sacks of cement into the leaks. After cement has set, repeat pressure test and resqueeze if necessary.
- (7) Place 50' plug in 10" at the surface and place as much cement as possible in 10"-12 1/2" annulus.

REC 53 1940

- (8) If 10" casing can be pulled, place 100' plug at 10" stub and perform pressure testing and squeeze operation outlined in step (6) on 12 1/4' casing.
- (9) Place 50' plug in 12 1/4' at the surface.
- (10) Set standard marker.

Well No. 4

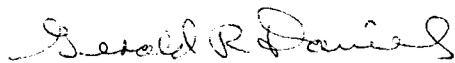
- (1) Kill well with mud of sufficient density to completely stop all gas flow.
- (2) Place 300' cement plug from total depth upward.
- (3) Cut and pull all 7" casing possible.
- (4) Place 200' cement plug at casing stub.
- (5) Place a 100' cement plug from 255' to 155' across shoes of 13" casing.
- (6) Place 5-sack plug at top of 13".
- (7) Set standard marker.

The mud specified in steps (1) for both wells should be left between plugs. If it is not possible to recover any 8 5/8" casing from well No. 2 or 7" casing from well No. 4, the pressure testing and squeezing procedure outlined in step (6) for well No. 2 should be followed. The bottom plugs placed in the wells should be sufficient to stop any flow of gas from the wells and therefore are the most important to be properly placed. The remainders of the plugging programs are flexible and will depend on conditions encountered when attempting to cut and pull the innermost casing strings. I will be available at any time to adjust the programs as conditions warrant.

I wish to emphasize that there may be Hydrogen Sulfide (H₂S) gas present. You should have protective equipment available as well as being familiar with physiological warning signals of Hydrogen Sulfide poisoning to be familiar with treatment of such poisoning. I understand the State of Utah Chief Petroleum Engineer has provided you with information in this regard.

Please advise this office when you are ready to start work.

Sincerely,



Gerald R. Daniels
District Engineer

cc: Carbonic Engineering Co.
Utah Division of Oil and Gas Conservation

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah, 84111

October 19, 1970

Memorandum

To: File

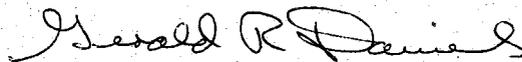
From: G. R. Daniels

Subject: SL 026100(a) Farnham Dome

Mr. Ed Schneider, Carbonic Engineering Co., Lathrop, California, telephoned 10-19-70 at 11:00 a.m. re plugging the two leaking carbon dioxide wells on the subject lease.

He has been trying to get Johnny Moore to get to work on the wells. Mr. Moore is busy on another well but will start this job as soon as he is able. Mr. Schneider's attitude was very cooperative in agreeing that Carbonic would see that the wells were properly plugged and that Carbonic would like the work done to our satisfaction as quickly as possible. Mr. Moore will be in to consult regarding plugging programs.

Carbonic Engineering telephone number is 209-858-2444.


Gerald R. Daniels

cc: Casper
Utah Division of Oil & Gas Conservation ✓

COLORADO CASING PULLERS
475 East 1st South
Vernal, Utah 84078

Phone 789-1763

PI

Mr. Ed Schneider
Carbonic Engineering Company
P.O. Box 8
Lathrop, California 95530

December 12, 1970

Dear Mr. Schneider,

I have been contacted by Mr. Gerald R. Daniels, U.S.G.S., to check on wells at Wellington, Utah, Carbon County, Furman Dams No. 2 and No. 4, and to contact you. I have checked these wells and am sending you some information and estimates on them.

Estimated cost of gel and bar

Well No. 2

185 bbls. to fill 8 5/8" casing
38 bbls. to fill between 8 5/8 and 10" casing
75 bbls. to fill between 10 and 12 3/4" casing
50 bbls. to fill cavities and displacement

348 bbls. estimated and needed
Suggest 11# mud

\$ 1,305.00 Bar
60.00 Freight from Price
124.70 for gel and bar

\$ 1,489.70

Estimated rig time - 53 hrs. @ \$30.00 per hour - - - - \$ 1,590.00

Estimated cost of gel and bar

Well No. 4

185 bbls. to fill 7" casing
105 bbls. to fill between 7 and 13" casing
50 bbls. to fill cavities and displacement

340 bbls. estimated and

510 Estimated sacks of bar at \$3.00 per sack

\$ 1,530.00 plus freight from Price for bar
130.50 for gel plus freight from Price

\$ 1,660.50 estimated gel and bar needed
Suggest 11.5 or 12# mud

POOR COPY

Here is an estimated cost of some things you will need, and some things you may need:

1. Cat work on road estimate	\$ 200.00
2. Will need a 300 bbl. storage tank.	
Rental for 1st day	147.00
Each additional day	7.00
Hauling to and from Vernal - estimate	200.00
3. Cement - Well No. 2 - 230 sacks	500.00
4. Water - Well No. 2 - estimate	300.00
5. Cement - Well No. 4 - 190 sacks	380.00
6. Water - Well No. 4 - estimate	300.00

Due to possibility of tubing in hole may be parted and according to records, is parted in No. 2. This is a list of fishing tools which would be needed to clean hole up to set bottom plugs

1. Fishing tool man per day	\$ 90.00
plus mileage of 25¢ per mile	
2. Overshot	
First Day	106.00
Each additional day	33.00
3. Dumper sub	
First Day	75.00
Each additional day	15.00
4. Would need 3155 feet of 2 5/8" tubing which we will furnish at no rental charge except cost of hauling from Vernal and back. Estimated truck time - - - - -	125.00

Things which may be needed - cement packers, Halliburton, and blowout preventer equipment in the event we cannot control wells with our pump equipment. I would strongly advise staying away from packers and squeeze jobs if at all possible, due to the condition of casing due to corrosion which can be prevented by pulling all casing possible, and welding on swedges and pumping cement between casings which cannot be recovered. We will pull casing at no charge for the salvage which you could not afford to pay us to pull, as this casing will only be junk. I assure you this would be to your advantage. Rig time would only be charged while mixing mud, fishing out tubing, picking up tubing, moving to and from Vernal, spotting cement plugs, setting dry hole marker, rigging up, tearing down, etc. All casing pulling and welding on stubs would be at our expense.

I have worked with both Mr. Daniels of U.S.G.S. and Mr. Paul Burchell with the state, and they are very cooperative on wells like these. They understand the problems that can be encountered on wells like these, and will cooperate as much as possible.

I will be frank with you. These wells are in very bad shape due to corrosion and poor well head equipment on top and will be very hard to plug and abandon. I am sure that most of the problem will be getting the wells killed and bottom plugs in.

I don't know where equipment could be rented in regards to the hydrogen sulfide gas which may be present.

I would not be able to give a contract bid on these wells as I would be afraid to even attempt figuring a bid on them. I would not attempt these wells unless there was \$10,000.00 in escrow and this way I could assume payment for additional fishing equipment, etc., without any delay due to finances, etc.

POOR COPY

As I say, I have no idea what the cost could be or will be on these wells. It could cost anywhere from \$5,000.00 to \$15,000.00. I would want to keep a daily contact with you, and daily cost reports made to you. I would prefer someone representing you at locations.

You can contact Mr. James Tadlock for his advise and estimate as he is acquainted with these wells and has done this type of work, and is a Petroleum Engineer. His address is:

Mr. James Tadlock
P.O. Box 418
Vernal, Utah 84078
Phone No. 801-789-3573

If there is any way we can help you, please call or write, as I know this is a bad situation, as I understand it, you got in to a bad deal when you acquired these wells.

Sincerely,

Weldon Woolley

Weldon Woolley
Utah-Colerado Casing Pullers

POOR COPY



CARBONIC ENGINEERING COMPANY

HOWLAND AVE., P.O. BOX 8, LATHROP, CALIFORNIA 95330. 209 858-2444

RECEIVED
BR. OF OIL & GAS OPERATIONS
JAN 25 1971
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

1/21/71

Mr. Gerald R. Daniels, Dist. Eng.
United States Dept. of Interior
Branch Oil & Gas Operations
8416 Federal Bldg.
Salt Lake City, Utah 84111

Re: Carbonic Engineering Co.
Federal Oil & Gas Lease SL-026100 (a)

Dear Mr. Daniels;

Per our telephone conversation of 1/21/71, I have attached Mr. Moore's letter of 1/14 relating to the plugging of wells #2 & #4. He is ready to go to work as soon as an agreement is made up.

While we are in the process of making an agreement, I would appreciate it if you would review with Mr. Moore the work to be done so that as much as possible, we are all agreed on it.

If there are any questions concerning this matter please contact the writer.

Very truly yours

CARBONIC ENGINEERING CO.

E. J. Schneider
E. J. Schneider

Sr. Vice Pres.

cc: Mr. M. A. Dean
Orr, Hering & Wendel

Mr. J. W. Moore
Cisco, Utah

Cisco, Utah
Jan. 14, 1971

Mr. Ed Schnieder
Carbonic Engineering
P.O. Box 8
Lathrop, California

EXHIBIT A

Dear Sir:

Enclosed is an estimate on plugging wells. I plan on using a large cable tool rig to do this work. I can get in and out of the hole in a few minutes and I can run a string of tools thru the pipe and make sure there are no obstructions in the pipe to stop a bridge plug. If I can set bridge plug just above the perforations in the 7 inch pipe I can dump cement on top of the plug with a dump bailer. This would eliminate any possible chance of mud and cement being blown out of the hole due to gas cut mud and cement that wont set due to agitation by gas. I would try the bridge plug on the # 4 well only as the # 8 well may have numerous holes in it, as it has been in the hole 40 years. There will be no charge for the bridge plug if I am unable to get it down and set. But I anticipate no trouble setting it as long as the casing is clean.

I worked on the # 2 well in 1957 and fished out a string of tubing that was all coroded and in many pieces. We pumped 250 sacks cement between the 8 and 10 inch pipe to shut off a gas-leak that was coming between the casing.

As you know these wells are really in bad condition and are going to be hard to plug. I will hold the price down as much as possible and do a good job. Rig time at \$27.50 per hr will be charged only when rig is in operation on actual plugging work. Any pipe pulling such as casing or tubing shall be at my expense, hoping that some of the salvage might reimburse me for my expense.

All the figures I have quoted as to the amount of Baroid and cement needed are in line with what the State and Government will require.

The gas that is blowing out behind the surface pipe in # 4 well makes it very hazardous to work due to the deep cellar that is always full of gas I suppose we will have to use some kind of a gas mask to get down in the cellar to disconnect the well head equipment.

Mr. Paul Burchell of the Oil and Gas Conservation Commission says he will co-operate in every way he can to get this work done.

If this meets with your approval we can make up an agreement anytime you are ready.

Yours very truly
John W. Moore
Cisco, Utah 84515

EXHIBIT A

Cisco, Utah
Jan. 14, 1971

Mr. Ed Schnieder
Carbonic Engineering
P.O.Box 8
Lathrop, California

Dear Sir:

Enclosed is an estimate on plugging wells. I plan on using a large cable tool rig to do this work. I can get in and out of the hole in a few minutes and I can run a string of tools thru the pipe and make sure there are no obstructions in the pipe to stop a bridge plug. If I can set bridge plug just above the perforations in the 7 inch pipe I can dump cement on top of the plug with a dump bailer. This would eliminate any possible chance of mud and cement being blown out of the hole due to gas cut mud and cement that wont set due to agitation by gas. I would try the bridge plug on the # 4 well only as the # 3 well may have numerous holes in it as it has been in the hole 40 years. There will be no charge for the bridge plug if I am unable to get it down and set. But I anticipate no trouble setting it as long as the casing is clean.

I worked on the # 2 well in 1957 and fished out a string of tubing that was all coroded and in many pieces. We pumped 250 sacks cement between the 8 and 10 inch pipe to shut off a gas leak that was coming between the casing.

As you know these wells are really in bad condition and are going to be hard to plug. I will hold the price down as much as possible and do a good job. Rig time at \$27.50 per hr will be charged only when rig is in operation on actual plugging work. Any pipe pulling such as casing or tubing shall be at my expense, hoping that some of the salvage might reimburse me for my expense.

All the figures I have quoted as to the amount of Baroid and cement needed are in line with what the State and Government will require.

The gas that is blowing out behind the surface pipe in # 4 well makes it very hazardous to work due to the deep cellar that is always full of gas I suppose we will have to use some kind of a gas mask to get down in the cellar to disconnect the well head equipment.

Mr. Paul Barchell of the Oil and Gas Conservation Commission says he will co-operate in every way he can to get this work done.

If this meets with your approval we can make up an agreement anytime you are ready.

Yours very truly
John W. Moore
Cisco, Utah 84515

Estimate of plugging wells

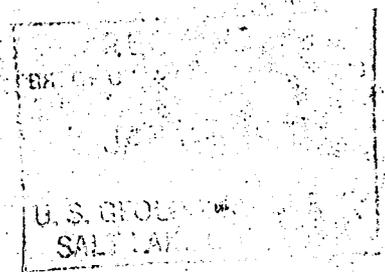
Well # 2

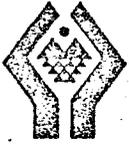
810 sacks Baroid to make 350 bbls mud @ \$3.25 per sack F. O. B. well	\$2632.50
450 sacks cement @ \$2.25 per sack F. O. B. well	\$1012.00
Cement truck 12 hrs. @ \$30.00 per hr.	360.00
Water to mix mud and cement	100.00
Rig time @ \$27.50 per hr.	1650.00
	<u>\$5755.00</u>

Well # 4

500 sacks Baroid @ \$3.25 per sack F. O. B. well	\$1620.00
300 sacks cement @ \$2.25 per sack F. O. B. well	675.00
Bridge plug to set inside 7 inch casing	300.00
Water to mix mud and cement	100.00
Cement truck 10 hrs. @ \$30.00 per hr.	300.00
Rig time 60 hrs. @ \$27.50 per hr.	1620.00
	<u>\$4645.00</u>

Cost of moving equipment in and out of well locations ----- \$500.00





United States Department of the Interior

GEOLOGICAL SURVEY

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

EXHIBIT A

January 27, 1971

Mr. E. J. Schneider
Carbonic Engineering Company
P.O. Box 8
Lathrop, California 95330

Re: Wells No. 2 and No. 4
Tel. conversation of 1-21-71
and John Moore letter of
1-14-71 - Lease SL 026100(a)

Dear Mr. Schneider:

On September 22, 1970, this office sent a proposed plugging program for the referenced wells to Mr. John Moore, Cisco, Utah. The program outlined in Mr. Moore's letter of January 14, 1971, deviates from our specified program only in the addition of a bridge plug above the perforations in well No. 4 and placing the bottom cement plug on top of the bridge plug. We have no objection to this addition and hope it is possible to get the bridge plug set.

Please file Notices of Intention to Abandon for each well (forms enclosed), stating the program to be used. I realize this may seem redundant at this time but it is my opinion you should have formal written approval via the Sundry Notice for future reference. Please file Notices of Intention to Abandon with the Utah Division of Oil and Gas Conservation also.

By copy of this letter, I am requesting Mr. Moore to contact either Mr. Paul Burchell or me prior to starting work on the wells.

Sincerely yours,

Gerald R. Daniels,
District Engineer

cc: Mr. John Moore
Cisco, Utah

Utah Div. of Oil & Gas Con.

EXHIBIT A

JWB
15

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

January 27, 1971

Mr. E. J. Schneider
Carbonic Engineering Company
P.O. Box 8
Lathrop, California 95330

Re: Wells No. 2 and No. 4
Tel. conversation of 1-21-71
and John Moore letter of
1-14-71 - Lease SL 026100(a)

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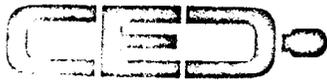
Sincerely yours,

(ORIG. SGD.) G. R. DANIELS

Gerald R. Daniels,
District Engineer

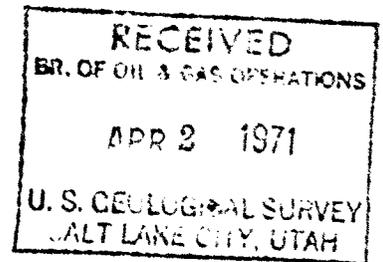
cc: Mr. John Moore
Cisco, Utah

Utah Div. of Oil & Gas Con. ✓



CARBONIC ENGINEERING COMPANY

HOWLAND AVE., P. O. BOX 8, LATHROP, CALIFORNIA 95330. 209 858-2444



3/31/71

Mr. Gerald Daniels, Dist. Eng.
United States Dept. of Interior
Branch Oil & Gas Operations
8416 Federal Bldg.
Salt Lake City, Utah 84111

Dear Mr. Daniels:

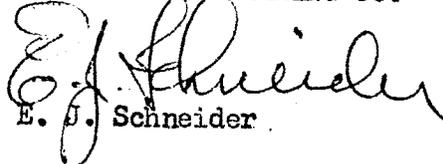
This letter is to advise you we are sending to Mr. John Moore a contract for his signature covering the work to be done on Wells #2 & 4 per your Jan. 27th letter.

After his signing and return to us for signature, we expect work to be started on the aforementioned wells. We ask that your office or Paul Burchell of the State office keep in touch with Mr. Moore as the work progresses. If there are any questions or should a problem develop when the job is in progress, please call me immediatly.

Your courtesy and help in this matter will be greatly appreciated.

Very Truly yours

CARBONIC ENGINEERING CO.


E. J. Schneider

Senior Vice Pres.

cc: John Moore

Cisco, Utah

ORR, HEURING & WENDEL

ATTORNEYS AT LAW

1020 CENTRAL BUILDING
OAKLAND, CALIFORNIA 94612
AREA CODE 415 834-6600

MARION W. HEURING
(1907-1961)

J. CLAYTON ORR
DAVID I. WENDEL
LAWRENCE S. SIMON
VICTOR D. ROSEN
DONN L. BLACK
WALTER M. SCHEY
NEIL R. ANDERSON
MICHAEL A. DEAN
ARTHUR W. RUTHENBECK

April 1, 1971

Mr. Paul Burshell
Utah Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: Federal Lease SL 026100(a)
Wells No. 2 and No. 4
Sundry Notices and Reports on Wells

Dear Sir:

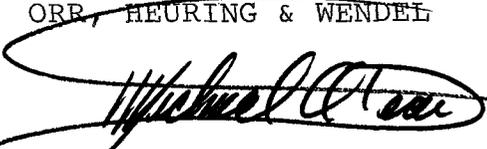
As you know, this office is general counsel
for Carbonic Engineering Company, Lathrop, California.

Pursuant to Gerald Daniels' letter of
January 27, 1971, we enclose triplicate originals of
Sundry Notices and Reports on Wells in connection with
the abandonment of wells Nos. 2 and 4 on the lands
covered by the above-described lease.

We trust that the foregoing meets with your
approval, but if you should have any questions and/or
comments in connection with the Notice, please feel free
to contact the undersigned at your convenience.

Very truly yours,

ORR, HEURING & WENDEL


Michael A. Dean

MAD/dh
Encl.

cc: Messrs. Henri E. deLotty, Sr.
and Edward Schneider
Carbonic Engineering Company

cc: Mr. Gerald R. Daniels, District Engineer
United States Department of the Interior

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

*RM 124
BY*

5. LEASE DESIGNATION AND SERIAL NO.

SL 026100 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

No. 2 and No. 4

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 12, T 15 S, R 11 E

12. COUNTY OR PARISH

Carbon

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CARBONIC ENGINEERING COMPANY

3. ADDRESS OF OPERATOR
P.O. BOX 8, LATHROP, CALIFORNIA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface Farnham Dome Unit #2 and #4 Wells,
Sec. 12, T. 15 S, R 11 E,
Carbon County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The work shall be done by John W. Moore, Cisco, Utah, and shall commence during the week of April 4, 1971, and shall be completed approximately thirty days thereafter subject to extensions resulting from causes beyond the reasonable control of the contractor. The precise work is outlined in two letters, one of which is dated January 14, 1971 from John W. Moore to Carbonic Engineering Company, and the other is dated January 27, 1971 from United States Department of the Interior, Geological Survey, Branch of Oil and Gas Operations to Carbonic Engineering Company. Said letters are attached to this Notice as Exhibit "A" and are made a part hereof

18. I hereby certify that the foregoing is true and correct

SIGNED *Michael J. O'Connell*

Attorney for
TITLE Carbonic Engineering Co DATE April 1, 1971

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

Johnny Moore 10/19/71

2 well/catch / mud in / tubing
150' (500')

T.P. 3114 sup - present 8 7/8 net c 3048

Gas still coming
out of

↓
to
open

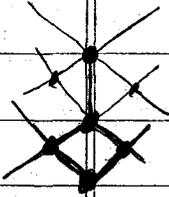
Well Cut c 2100

10' c 1895
and set another
Plug

hole to T.D
and install 5/8
Casing.

Entered c ~~2900~~
2900
c 1250'

PMB



~~107-104-2725~~

Ila - USGS

11/18/71

Johnny Moon:
9:00

637-9929

Gulf
Gypsum Hill #2

Price, Utah

Set BP @ 2000'

perf. @ 1950' to Clinton zone
& squeeze if no prod.
see for lean ful.

Perf pipe @ 1100'
150 lb water -
killed geyser.

~~stopped in~~

stand 700' - geyser dead

Zone e3600

Top of Cond. C 4760'

Top of Green River @ 2545

8 5/8" @ 205' / 1152h

5 1/2" @ 5565' / 2252h

F2 = 5385

G = 5495

two
BP e5406
& 5450

12 BOPD-ZP

boils up a little (small)

Use

depth
600' of prod about
end of plug in prod followed by
well checks with water to make sure it looks
net 4 sb @ 1150 - make sure no

fluid goes out Cal @ 1950' squeeze.

Per. @ 1100' / 15 holes

then follow with mud (50 wt barrow)

Set = 11/20/71

= followed by the 900-sb cement - followed by head of water
150 1/2" casing @ 8 5/8" + 50' of in = cemented.

January 25, 1972

Carbonic Engineering Company
Box 8
Lathrop, California 95330

Re: Well No. Fashion Dome #2 & #4
Sec. 12, T. 15 S, R. 11 E,
Carbon County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Abandonment for the above referred to wells is due and has not yet been filed with this office.

Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed within thirty (30) days after the plugging of any well has been accomplished.

Your prompt attention to the above will greatly be appreciated.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

SCHEREE DeROSE
SUPERVISING STENOGRAPHER

OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

SL 0261.00 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

No. 2 and No. 4

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 12, T 15 S, R 11 E

12. COUNTY OR PARISH

Carbon

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CARBONIC ENGINEERING COMPANY

3. ADDRESS OF OPERATOR
P.O. BOX 8, LATHROP, CALIFORNIA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface Farnham Dome Unit #2 and #4 Wells,
Sec. 12, T. 15 S, R 11 E,
Carbon County, Utah

14. PERMIT NO. -----

15. ELEVATIONS (Show whether DF, RT, GR, etc.) -----

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The work has been completed by John W. Moore, Cisco, Utah. The precise work which was carried out and completed is outlined in two letters, one of which is dated January 14, 1971, from John W. Moore to Carbonic Engineering Company, and the other is dated January 27, 1971, from United States Department of the Interior, Geological Survey, Branch of Oil and Gas Operations to Carbonic Engineering Company. Said letters are attached to this Notice as Exhibit "A" and are made a part hereof.

18. I hereby certify that the foregoing is true and correct

SIGNED Michael J. O'Connell

TITLE Attorney for Carbonic Engineering Co

DATE February 15, 1971

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

ORR, HEURING & WENDEL

ATTORNEYS AT LAW
1020 CENTRAL BUILDING
OAKLAND, CALIFORNIA 94612
AREA CODE 415 834-6600

MARION W. HEURING
(1907-1961)

J. CLAYTON ORR
DAVID I. WENDEL
LAWRENCE S. SIMON
VICTOR D. ROSEN
DONN L. BLACK
NEIL R. ANDERSON
MICHAEL A. DEAN
ARTHUR W. RUTHENBECK
WILLIAM H. KIMBALL

February 14, 1972

Ms. Scheree DeRose
Supervising Stenographer
State of Utah
Department of Natural Resources
Division of Oil and Gas Conservation
1588 N. Temple
Salt Lake City, Utah 84116

RE: Well No. Farnham Dome No. 2 & 4
Sec. 12, T. 15 S, R 11 E,
Carbon County, Utah

Dear Ms. DeRose:

Pursuant to your letter dated January 25, 1972, we enclose triplicate originals of Sundry Notices and Reports on Wells in connection with the abandonment of Wells Nos. 2 & 4 on the lands covered by the above described Lease.

We trust that the foregoing meets with your approval, but if you should have any questions and/or comments in connection with the Notice, please feel free to contact the undersigned at your convenience.

Very truly yours,

ORR, WENDEL & LAWLOR



Michael A. Dean

MAD/rs
Encls.

cc: Mr. E. J. Schneider
Mr. Henri E. DeLotty, Sr.

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

February 29, 1972

Carbonic Engineering Company
P. O. Box 8
Lathrop, California 95330

Re: Well 2 and Well 4, Sec. 12,
T. 15 S., R. 11 E., S.L.M.,
Carbon County, Utah
Lease Salt Lake City 026100(a)

Gentlemen:

Thank you for the subsequent report of abandonment that you sent for the two wells. The report was apparently prepared by Mr. Michael Dean of Orr, Wendel and Lawlor, but was unsigned. The report was not very complete in that it referred only to the proposed plugging procedures which were adjusted due to hole conditions.

Therefore, this office is requesting, by copy of this letter, that Mr. John Moore prepare separate subsequent reports of abandonment for each well which detail the plugging operations performed. This is not to imply that there is any question concerning Mr. Moore's work, as he coordinated it very closely with this office and received approval of each step. We simply wish to have a complete record of the abandonment of each well.

Sincerely,

(CANC. 84515) G. R. DANIELS

Gerald R. Daniels,
District Engineer

cc: Mr. John Moore
Cisno, Utah 84515

State of Utah, Div. Oil & Gas
Casper

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

April 20, 1972

Mr. Ed Schneider
Carbonic Engineering Company
P. O. Box 8
Lathrop, California 95330

Re: Well 2 Farnham Dome
SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12-15S-11E, S1M
Carbon County, Utah
Lease Salt Lake City 026100(a)

Dear Mr. Schneider:

Enclosed is your copy of the Subsequent Report of Abandonment for the referenced well which was conditionally approved by this office on March 14, 1972.

The conditional approval was necessary due to the blowout hole to the south of the location not having been levelled. I am aware that our original requests did not refer specifically to filling in the "blowhole" but only alluded to its constituting a hazard. I verbally discussed the filling in and levelling of the "blowhole" with both you and Mr. Moore.

Therefore, our approval of your Subsequent Report of Abandonment is conditioned that the "blowhole" be filled in and levelled, preferably before winter of 1972.

Thank you for your fine cooperation in resolving an old and sticky situation.

Sincerely,

(ORIG. SGD.) G. R. DANIELS

Gerald R. Daniels,
District Engineer

cc: State of Utah O&G Cons. Div. ✓
Casper