Well No. 2 Lease Gallegos Canyon Unit

Operator BENSON & MONTIN

Coring was commenced 3 feet below the top of the Pictured Cliff formation and was continued to total depth. Mud was aquagel, soda ash, quebracho and driscose. Viscosity ranged from 40 to 50 sec. and weight from 9.1 to 9.3. Water loss after pulling first core was 65 c.c. This was immediately reduced and maintained at about 10 c.c. Final water loss was 6.5 c.c.

Conventional soft formation core heads were used for all cores. Weight of 2000# to 5000# was carried on the core head and pump pressure of about 300# was used.

Core #1: 1332-47' 15' cored. Recovered 12.6'. (Balance of this core, 2.4', was recovered in Core #2.)

Entire core was medium to fine grained sand with specks of coal and green olivine. The sand was well cemented with white kaolin clay. Freshly broken cores did not have an odor of gas, but carried a strong odor of typical Pictured Cliffs connate water.

Coring time:	Min.
1332-33	1-30
34	1-20
35	0-50
36	1-25
37	1-35
38	1-30
39	1-20
40	1-30
41	1-45
42	1-35
43	1-10
44	1-20
45	1-30
46	3-10
47	4-50

Core #2: 1347-63' Cored 16'. Recovered 18.4'. Same as #1, no shale breaks.

Coring Time	Min.
1347-48	12
49	5
50	4
51	4
52	3
53	4
54	3
55	5
56	3
57	4
58	5

Well No. 2 Lease Gallegos Canyon Unit

Operator BENSON & MONTIN

Core #2, Cont'd.:

Coring Time	Min.
1358-59	4
60	3
61	3
62	2
63	2

Core #3: 1363-81' Cored 19'. Recovered 0'. (9' Of this core was recovered in Core #4.)

Core was same as #1 and #2, no shale breaks.

Coring Time	Min.
1363-64	3
65	2
66	3
67	3
68	3
69	3
70	2
71	2
72	3
73	2
74	4
75	4
76	3
77	3
78	3
79	3
80	3
81	3

Core #4: 1381-91' Cored 11'. Recovered 20'.

Same as above, no shale breaks.

Coring Time	Min.
1381-82	6
83	3
84	3
85	4
86	5
87	5
88	5
89	4
90	10
91	10
92	2

Core #5: 1392-1411' Cored 19'. Recovered 0'.

Well No. 2 Lease Gallegos Canyon Unit

Operator Benson & Montin

Core #5, Cont'd: Coring Time	Min.
1392-93	2
94	3
95	2
96	2
97	3
98	2
99	2
1400	3
1	2
2	2
3	2
4	2
5	2
6	2
7	3
8	2
9	2
10	2
11	5

Core #6: 1411-30' Cored 19'. Recovered 0'.

Coring Time	Min.
1411-12	3
13	4
14	4
15	3
16	2
17	2
18	2
19	1
20	1
21	2
22	1
23	4
24	2
25	2
26	1
27	2
28	2
29	4
30	3

Core #7: 1430-48' Cored 18'. Recovered 20'.

Coring time:	Min.
1430-31	2
32	2
33	2
34	3
35	3
36	3

Well No. 2 Lease Gallegos Canyon Unit

Operator Benson & Montin

Core #7, Cont'd.:

Coring Time	Min.
1436-37	4
38	2
39	2
40	2
41	1
42	2
43	2
44	1
45	2
46	2
47	2
48	8

Description of Core #7.

1428-30 Hard fine grained sand.
1430-32 Shale
1432-33 Hard fine grained sand.
1433-34 Shale
1434-36 Hard fine grained sand (shaly).
1436-40 Shale
1440-42 Hard fine grained sand.
1442-43½ Shale
1443.5-1446.7 Hard fine grained sand.
1446.7-1447.5 Shale
1447.5-1448 Hard fine grained sand.

Well No. 2 Lease Gallegos Canyon Unit

Operator Benson & Montin

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
Dallas, Texas

CORE ANALYSIS AND INTERPRETATION

Sample Number	Depth Feet	Permeability Millidarcys	Porosity Percent	Residual Liquid Saturation % Pore Space Oil	Total Water	Probable Production
1	1334	0.7	17.0	0.0	54.1	*
2	1344	4.8	21.2	0.0	34.9	GAS
3	1376	1.5	18.0	0.0	56.6	*
4	1386	0.4	17.1	0.0	70.8	WATER
5	1390	0.4	17.4	0.0	77.6	WATER
6	1338	1.8	21.5	0.0	41.8	GAS
7	1350	4.3	23.3	0.0	61.4	*
8	1354	8.7	25.7	0.0	61.1	*
9	1361	5.7	24.5	0.0	57.1	*
10	1430	0.6	20.0	0.0	64.5	*
11	1433	0.4	20.7	0.0	53.6	*
12	1436	1.3	23.2	0.0	64.6	*
13	1440	1.1	22.9	0.0	64.2	*
14	1445	5.3	24.2	0.0	64.1	*
15	1448	1.0	16.7	0.0	56.2	*

*WATERS ABOVE AVERAGE. SOME WATER MAY BE EXPECTED FROM THESE FEET DURING PRODUCTION.