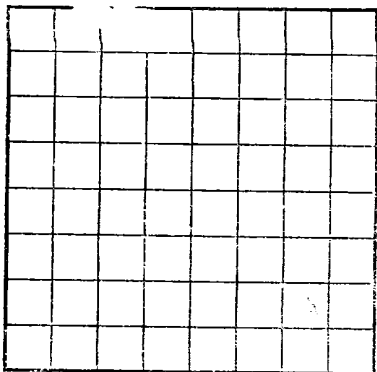


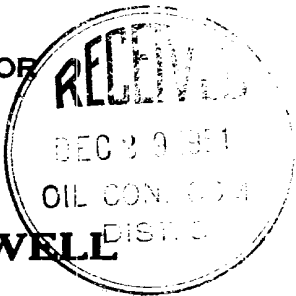
Form 9-390

U. S. LAND OFFICE  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company \_\_\_\_\_ Address \_\_\_\_\_  
Lessor or Tract \_\_\_\_\_ Field \_\_\_\_\_ State \_\_\_\_\_  
Well No. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Meridian \_\_\_\_\_ County \_\_\_\_\_  
Location \_\_\_\_\_ ft. {N. / S.} of \_\_\_\_\_ Line and \_\_\_\_\_ ft. {E. / W.} of \_\_\_\_\_ Line of \_\_\_\_\_ Elevation \_\_\_\_\_  
(Derrick Base relative to sea level)

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.

ORIGINAL SIGNED E. J. COEL

Signed \_\_\_\_\_

Date \_\_\_\_\_ Title \_\_\_\_\_

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

Commenced drilling \_\_\_\_\_, 19\_\_\_\_ Finished drilling \_\_\_\_\_, 19\_\_\_\_

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

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
5 1/2	22.5	4	Blue pipe iron	1000	API				Water
4 1/2	17.5	4							
3 1/2	12.5	4							
2 1/2	7.5	4							
1 1/2	2.5	4							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 1/2	200		API		
4 1/2	150		API		
3 1/2	100		API		
2 1/2	50		API		
1 1/2	25		API		

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1 1/2	10	ANFO	50	12-15-51	175	175
2 1/2	20	ANFO	100	12-15-51	475	475
3 1/2	30	ANFO	150	12-15-51	875	875
4 1/2	40	ANFO	200	12-15-51	1275	1275
5 1/2	50	ANFO	250	12-15-51	1675	1675

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1	1	Thin coarse gr. ss. & sh. of sh.
1	2	2	Very sh. white ss. sh.
2	3	3	Thin sh. white gr. ss. & sh. of sh.
3	4	4	Thin sh. white gr. ss. & sh. of sh.
4	5	5	Thin sh. white gr. ss. & sh. of sh.
5	6	6	Thin sh. white gr. ss. & sh. of sh.
6	7	7	Thin sh. white gr. ss. & sh. of sh.
7	8	8	Thin sh. white gr. ss. & sh. of sh.
8	9	9	Thin sh. white gr. ss. & sh. of sh.
9	10	10	Thin sh. white gr. ss. & sh. of sh.
10	11	11	Thin sh. white gr. ss. & sh. of sh.
11	12	12	Thin sh. white gr. ss. & sh. of sh.
12	13	13	Thin sh. white gr. ss. & sh. of sh.
13	14	14	Thin sh. white gr. ss. & sh. of sh.
14	15	15	Thin sh. white gr. ss. & sh. of sh.
15	16	16	Thin sh. white gr. ss. & sh. of sh.
16	17	17	Thin sh. white gr. ss. & sh. of sh.
17	18	18	Thin sh. white gr. ss. & sh. of sh.
18	19	19	Thin sh. white gr. ss. & sh. of sh.
19	20	20	Thin sh. white gr. ss. & sh. of sh.
20	21	21	Thin sh. white gr. ss. & sh. of sh.
21	22	22	Thin sh. white gr. ss. & sh. of sh.
22	23	23	Thin sh. white gr. ss. & sh. of sh.
23	24	24	Thin sh. white gr. ss. & sh. of sh.
24	25	25	Thin sh. white gr. ss. & sh. of sh.
25	26	26	Thin sh. white gr. ss. & sh. of sh.
26	27	27	Thin sh. white gr. ss. & sh. of sh.
27	28	28	Thin sh. white gr. ss. & sh. of sh.
28	29	29	Thin sh. white gr. ss. & sh. of sh.
29	30	30	Thin sh. white gr. ss. & sh. of sh.
30	31	31	Thin sh. white gr. ss. & sh. of sh.
31	32	32	Thin sh. white gr. ss. & sh. of sh.
32	33	33	Thin sh. white gr. ss. & sh. of sh.
33	34	34	Thin sh. white gr. ss. & sh. of sh.
34	35	35	Thin sh. white gr. ss. & sh. of sh.
35	36	36	Thin sh. white gr. ss. & sh. of sh.
36	37	37	Thin sh. white gr. ss. & sh. of sh.
37	38	38	Thin sh. white gr. ss. & sh. of sh.
38	39	39	Thin sh. white gr. ss. & sh. of sh.
39	40	40	Thin sh. white gr. ss. & sh. of sh.
40	41	41	Thin sh. white gr. ss. & sh. of sh.
41	42	42	Thin sh. white gr. ss. & sh. of sh.
42	43	43	Thin sh. white gr. ss. & sh. of sh.
43	44	44	Thin sh. white gr. ss. & sh. of sh.
44	45	45	Thin sh. white gr. ss. & sh. of sh.
45	46	46	Thin sh. white gr. ss. & sh. of sh.
46	47	47	Thin sh. white gr. ss. & sh. of sh.
47	48	48	Thin sh. white gr. ss. & sh. of sh.
48	49	49	Thin sh. white gr. ss. & sh. of sh.
49	50	50	Thin sh. white gr. ss. & sh. of sh.
50	51	51	Thin sh. white gr. ss. & sh. of sh.
51	52	52	Thin sh. white gr. ss. & sh. of sh.
52	53	53	Thin sh. white gr. ss. & sh. of sh.
53	54	54	Thin sh. white gr. ss. & sh. of sh.
54	55	55	Thin sh. white gr. ss. & sh. of sh.
55	56	56	Thin sh. white gr. ss. & sh. of sh.
56	57	57	Thin sh. white gr. ss. & sh. of sh.
57	58	58	Thin sh. white gr. ss. & sh. of sh.
58	59	59	Thin sh. white gr. ss. & sh. of sh.
59	60	60	Thin sh. white gr. ss. & sh. of sh.
60	61	61	Thin sh. white gr. ss. & sh. of sh.
61	62	62	Thin sh. white gr. ss. & sh. of sh.
62	63	63	Thin sh. white gr. ss. & sh. of sh.
63	64	64	Thin sh. white gr. ss. & sh. of sh.
64	65	65	Thin sh. white gr. ss. & sh. of sh.
65	66	66	Thin sh. white gr. ss. & sh. of sh.
66	67	67	Thin sh. white gr. ss. & sh. of sh.
67	68	68	Thin sh. white gr. ss. & sh. of sh.
68	69	69	Thin sh. white gr. ss. & sh. of sh.
69	70	70	Thin sh. white gr. ss. & sh. of sh.
70	71	71	Thin sh. white gr. ss. & sh. of sh.
71	72	72	Thin sh. white gr. ss. & sh. of sh.
72	73	73	Thin sh. white gr. ss. & sh. of sh.
73	74	74	Thin sh. white gr. ss. & sh. of sh.
74	75	75	Thin sh. white gr. ss. & sh. of sh.
75	76	76	Thin sh. white gr. ss. & sh. of sh.
76	77	77	Thin sh. white gr. ss. & sh. of sh.
77	78	78	Thin sh. white gr. ss. & sh. of sh.
78	79	79	Thin sh. white gr. ss. & sh. of sh.
79	80	80	Thin sh. white gr. ss. & sh. of sh.
80	81	81	Thin sh. white gr. ss. & sh. of sh.
81	82	82	Thin sh. white gr. ss. & sh. of sh.
82	83	83	Thin sh. white gr. ss. & sh. of sh.
83	84	84	Thin sh. white gr. ss. & sh. of sh.
84	85	85	Thin sh. white gr. ss. & sh. of sh.
85	86	86	Thin sh. white gr. ss. & sh. of sh.
86	87	87	Thin sh. white gr. ss. & sh. of sh.
87	88	88	Thin sh. white gr. ss. & sh. of sh.
88	89	89	Thin sh. white gr. ss. & sh. of sh.
89	90	90	Thin sh. white gr. ss. & sh. of sh.
90	91	91	Thin sh. white gr. ss. & sh. of sh.
91	92	92	Thin sh. white gr. ss. & sh. of sh.
92	93	93	Thin sh. white gr. ss. & sh. of sh.
93	94	94	Thin sh. white gr. ss. & sh. of sh.
94	95	95	Thin sh. white gr. ss. & sh. of sh.
95	96	96	Thin sh. white gr. ss. & sh. of sh.
96	97	97	Thin sh. white gr. ss. & sh. of sh.
97	98	98	Thin sh. white gr. ss. & sh. of sh.
98	99	99	Thin sh. white gr. ss. & sh. of sh.
99	100	100	Thin sh. white gr. ss. & sh. of sh.

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION

### HISTORY OF OIL OR GAS WELL

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 work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" 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.

ORIGINAL SIGNED 6-7-68

# B. & R. SERVICE, INC.

## TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS COMPANY **FILED**  
WELL HARGRAVES 3 FIELD OIL CON. COM.  
COUNTY SAN JUAN STATE NEW MEXICO DIST. 3  
SEC. 16 TWP. 27N RGE. 10

APPROX. TOP CEMENT 1400'

Survey Begins at 1000 Ft. Ends at 1959 Ft.  
Approx. Fill-Up Max. Temp. 106° @ 1959  
Log Measured From G.L. Run No. 1

Casing Size	Casing Depth	Diam of Hole	Depth
2 7/8" from	to 1980'	5 9/16" from	to
from	to	from	to

Date of Cementing 6-30-68 Time 10:00 A.M.  
Date of Survey 6-30-68 Time 10:00 P.M.  
Amount of Cement 100 SKS. CL C 25 GEL Type   
Amount of Admix 1/2 Cu. Ft. FINE GILSONITE Type   
Recorded by DURLEY Witnessed by

### REMARKS OR OTHER DATA

### TEMPERATURE IN DEGREES FAHRENHEIT

