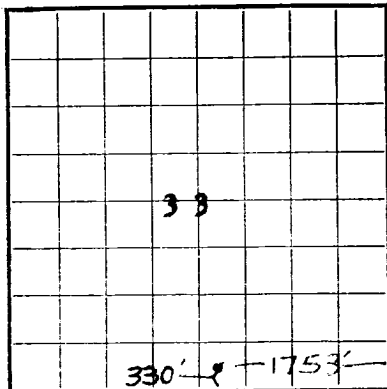


Form 9-330

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC 062254-A
LEASE OR PERMIT TO PROSPECT Lee

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Geo. D. Riggs operator Address Box 116, Carlsbad, N.M.
Lessor or Tract Thomas Mayfield Field Salader-ates State New Mexico
Mayfield
Well No. 4 Sec. 33 T. 20 R. 28E Meridian N.M.P.M. County Eddy
Location 330 ft. N. of S Line and 1753 ft. W. of E Line of Section 33 Elevation 3195
(Derrick floor 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.

Signed Geo. D. RiggsDate Sept. 22, 1964Title Operator

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

Commenced drilling June 9, 1964, 19____ Finished drilling July 28, 1964, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 642 to 644 show No. 4, from _____ to _____
No. 2, from 650 to 652 show No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ none 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—	
7"	17	10	used	441	reg	441			surface
HI-LOK OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	441			heavy	25 sack
5 1/2"	640	100	Denton Catg Co		

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
	Fractured by Dowell with 230 bbl of lease oil and 11,000 lbs of 20-40 sand in open hole from 640 to 660. Sept, 5 1964					

TOOLS USED

Rotary tools were used from surface feet to 730 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Sept. 23 1964, 19____ Put to producing Sept. 21, 1964, 19____
The production for the first 24 hours was 30 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 35

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

Rock pressure, lbs. per sq. in. _____

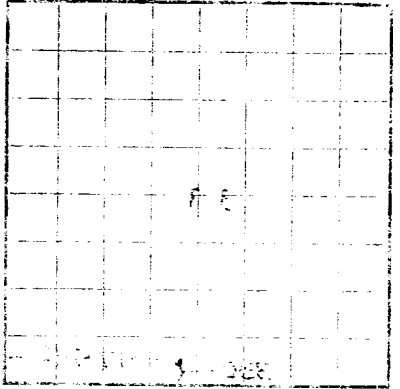
EMPLOYEES

R. D. Rains, Driller A. H. Rains, Driller
Donald Rains, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
surface	78	78	surface sand and clay
78	275	197	red beds and red sand some gyp
275	383	108	red beds and gyp
383	436	53	salt some gyp and red clay
436	460	24	anhydrite
460	501	41	lime with few shale breaks
501	520	19	shale, red and gray with some anhydrite
520	548	28	lime, hard
548	576	28	anhydrite and lime
576	592	16	lime brown
592	597	5	white anhydrite
597	612	15	lime hard brown
612	624	12	anhydrite and shale, some gray lime
624	636	12	sand
636	638	2	lime
638	659	21	sand show oil 642-44, 650-52
659	664	5	lime
664	672	8	sand fine gray
672	680	8	lime gray
680	694	14	lime and sand
694	728	34	sand
728	730	2	

FORMATION RECORD—CONTINUED D.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Name _____ Address _____
Location _____
The information given herewith is a copy of the original record of the well and all other data on
to far as can be determined from all available records.
Signed _____
Date _____

OIL OR GAS SANDS OR CONES

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

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 the results. 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.
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HISTORY OF OIL OR GAS WELL

MUDLOGGING AND CEMENTING RECORD			
Time	Depth	Remarks	Remarks
1	10		
2	20		
3	30		
4	40		
5	50		
6	60		
7	70		
8	80		
9	90		
10	100		
11	110		
12	120		
13	130		
14	140		
15	150		
16	160		
17	170		
18	180		
19	190		
20	200		
21	210		
22	220		
23	230		
24	240		
25	250		
26	260		
27	270		
28	280		
29	290		
30	300		
31	310		
32	320		
33	330		
34	340		
35	350		
36	360		
37	370		
38	380		
39	390		
40	400		
41	410		
42	420		
43	430		
44	440		
45	450		
46	460		
47	470		
48	480		
49	490		
50	500		
51	510		
52	520		
53	530		
54	540		
55	550		
56	560		
57	570		
58	580		
59	590		
60	600		
61	610		
62	620		
63	630		
64	640		
65	650		
66	660		
67	670		
68	680		
69	690		
70	700		
71	710		
72	720		
73	730		
74	740		
75	750		
76	760		
77	770		
78	780		
79	790		
80	800		
81	810		
82	820		
83	830		
84	840		
85	850		
86	860		
87	870		
88	880		
89	890		
90	900		
91	910		
92	920		
93	930		
94	940		
95	950		
96	960		
97	970		
98	980		
99	990		
100	1000		

FORMATION RECORD—Continued