

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N.M. 013492
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Date January 21, 1958 Title District Superintendent

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

Commenced drilling December 18, 19 57 Finished drilling January 5, 19 58

(Demote eggs by C)

No. 1, from 5340' to 5356' No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
3-3/4"	32.75#	8B	H-40	235'	Guide				
5-1/2"	44#	8B	H-40	235'	Comb	Float	340'	350'	Production
THIS IS A SUMMARY OF THE DATA OBTAINED FROM THE LOGS OF THE WELLS DURING THE PERIOD OF THE YEAR 1966. THE DATA IS SUBJECT TO CHANGE AS MORE INFORMATION IS OBTAINED. THE DATA IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE BUREAU OF LAND MANAGEMENT.									
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Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
0-3/4"	242'	250-Circulated	Halliburton		
5-1/2"	5429'	250	Halliburton		

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD						
Sand & Oil Frac.						
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Fracced down 52" casing through perforations 534C-56' with 40,000# sand & 39,454 gal of crude oil. BDP 2400#, Max. TP 2300#, Min. TP 2100#, Inj. rate 46.4 BPM.						

Rotary tools were used from 0 feet to 54.30 feet, and from _____ feet to _____ feet

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

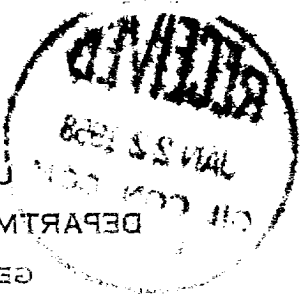
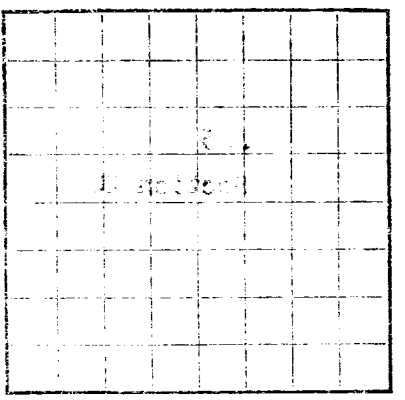
----- January 21, 19-- 58	Put to producing ----- January 17, 19-- 58
The production for the first 24 hours was ----- 145	barrels of fluid of which ----- 99.8% was oil; ----- 0.2%
emulsion: ----- 0% water; and ----- 0% sediment.	Gravity. °Bé ----- 38.6

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

Rock pressure, lbs. per sq. in. -----

----- **Schafer Drilling Company** -----, Driller -----, Driller
----- Driller ----- Driller

FROM-	TO-	TOTAL FEET	FORMATION
0	1645	1645	Sand & Shale
1645	1785	140	Pictured Cliffs
1785	3170	1385	Lewis
3170	3205	35	Cliff House
3205	4133	928	Menefee
4133	4304	171	Point Lookout
4304	5228	924	Mancos
5228	5336	108	Gallup "H"
5336	5430	94	Gallup "J"
TOTAL DEPTH		5430'	
PLUGGED BACK TOTAL DEPTH		5394'	



U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

LOG OF OIL OR GAS WELL

Company _____
Lessor or Tract _____
Well No. _____
Location _____
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 _____
Date _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
Completed _____

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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

CASING RECORD

Casing _____
Weight _____
Length _____
Diameter _____
Amount _____
Kind of shoe _____
To _____
From _____
Port _____

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 replaced or left in the well, give size and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Mud _____
Amount _____
Method used _____
Kind of shoe _____
To _____
From _____
Port _____

SHOOTING RECORD

Shooting _____
Size _____
Depth _____
Date _____
Quantity _____
Explosive used _____
Depth cleaned out _____

TOOLS USED

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

DATES

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

EMPLOYEES

Driller _____
Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM-	TO -	TOTAL FEET	FORMATION
0	100	100	Gravel
100	200	200	Gravel
200	300	300	Gravel
300	400	400	Gravel
400	500	500	Gravel
500	600	600	Gravel
600	700	700	Gravel
700	800	800	Gravel
800	900	900	Gravel
900	1000	1000	Gravel
1000	1100	1100	Gravel
1100	1200	1200	Gravel
1200	1300	1300	Gravel
1300	1400	1400	Gravel
1400	1500	1500	Gravel
1500	1600	1600	Gravel
1600	1700	1700	Gravel
1700	1800	1800	Gravel
1800	1900	1900	Gravel
1900	2000	2000	Gravel
2000	2100	2100	Gravel
2100	2200	2200	Gravel
2200	2300	2300	Gravel
2300	2400	2400	Gravel
2400	2500	2500	Gravel
2500	2600	2600	Gravel
2600	2700	2700	Gravel
2700	2800	2800	Gravel
2800	2900	2900	Gravel
2900	3000	3000	Gravel
3000	3100	3100	Gravel
3100	3200	3200	Gravel
3200	3300	3300	Gravel
3300	3400	3400	Gravel
3400	3500	3500	Gravel
3500	3600	3600	Gravel
3600	3700	3700	Gravel
3700	3800	3800	Gravel
3800	3900	3900	Gravel
3900	4000	4000	Gravel
4000	4100	4100	Gravel
4100	4200	4200	Gravel
4200	4300	4300	Gravel
4300	4400	4400	Gravel
4400	4500	4500	Gravel
4500	4600	4600	Gravel
4600	4700	4700	Gravel
4700	4800	4800	Gravel
4800	4900	4900	Gravel
4900	5000	5000	Gravel
5000	5100	5100	Gravel
5100	5200	5200	Gravel
5200	5300	5300	Gravel
5300	5400	5400	Gravel
5400	5500	5500	Gravel
5500	5600	5600	Gravel
5600	5700	5700	Gravel
5700	5800	5800	Gravel
5800	5900	5900	Gravel
5900	6000	6000	Gravel
6000	6100	6100	Gravel
6100	6200	6200	Gravel
6200	6300	6300	Gravel
6300	6400	6400	Gravel
6400	6500	6500	Gravel
6500	6600	6600	Gravel
6600	6700	6700	Gravel
6700	6800	6800	Gravel
6800	6900	6900	Gravel
6900	7000	7000	Gravel
7000	7100	7100	Gravel
7100	7200	7200	Gravel
7200	7300	7300	Gravel
7300	7400	7400	Gravel
7400	7500	7500	Gravel
7500	7600	7600	Gravel
7600	7700	7700	Gravel
7700	7800	7800	Gravel
7800	7900	7900	Gravel
7900	8000	8000	Gravel
8000	8100	8100	Gravel
8100	8200	8200	Gravel
8200	8300	8300	Gravel
8300	8400	8400	Gravel
8400	8500	8500	Gravel
8500	8600	8600	Gravel
8600	8700	8700	Gravel
8700	8800	8800	Gravel
8800	8900	8900	Gravel
8900	9000	9000	Gravel
9000	9100	9100	Gravel
9100	9200	9200	Gravel
9200	9300	9300	Gravel
9300	9400	9400	Gravel
9400	9500	9500	Gravel
9500	9600	9600	Gravel
9600	9700	9700	Gravel
9700	9800	9800	Gravel
9800	9900	9900	Gravel
9900	10000	10000	Gravel
10000	10100	10100	Gravel
10100	10200	10200	Gravel
10200	10300	10300	Gravel
10300	10400	10400	Gravel
10400	10500	10500	Gravel
10500	10600	10600	Gravel
10600	10700	10700	Gravel
10700	10800	10800	Gravel
10800	10900	10900	Gravel
10900	11000	11000	Gravel
11000	11100	11100	Gravel
11100	11200	11200	Gravel
11200	11300	11300	Gravel
11300	11400	11400	Gravel
11400	11500	11500	Gravel
11500	11600	11600	Gravel
11600	11700	11700	Gravel
11700	11800	11800	Gravel
11800	11900	11900	Gravel
11900	12000	12000	Gravel
12000	12100	12100	Gravel
12100	12200	12200	Gravel
12200	12300	12300	Gravel
12300	12400	12400	Gravel
12400	12500	12500	Gravel
12500	12600	12600	Gravel
12600	12700	12700	Gravel
12700	12800	12800	Gravel
12800	12900	12900	Gravel
12900	13000	13000	Gravel
13000	13100	13100	Gravel
13100	13200	13200	Gravel
13200	13300	13300	Gravel
13300	13400	13400	Gravel
13400	13500	13500	Gravel
13500	13600	13600	Gravel
13600	13700	13700	Gravel
13700	13800	13800	Gravel
13800	13900	13900	Gravel
13900	14000	14000	Gravel
14000	14100	14100	Gravel
14100	14200	14200	Gravel
14200	14300	14300	Gravel
14300	14400	14400	Gravel
14400	14500	14500	Gravel
14500	14600	14600	Gravel
14600	14700	14700	Gravel
14700	14800	14800	Gravel
14800	14900	14900	Gravel
14900	15000	15000	Gravel
15000	15100	15100	Gravel
15100	15200	15200	Gravel
15200	15300	15300	Gravel
15300	15400	15400	Gravel
15400	15500	15500	Gravel
15500	15600	15600	Gravel
15600	15700	15700	Gravel
15700	15800	15800	Gravel
15800	15900	15900	Gravel
15900	16000	16000	Gravel
16000	16100	16100	Gravel
16100	16200	16200	Gravel
16200	16300	16300	Gravel
16300	16400	16400	Gravel
16400	16500	16500	Gravel
16500	16600	16600	Gravel
16600	16700	16700	Gravel
16700	16800	16800	Gravel
16800	16900	16900	Gravel
16900	17000	17000	Gravel
17000	17100	17100	Gravel
17100	17200	17200	Gravel
17200	17300	17300	Gravel
17300	17400	17400	Gravel
17400	17500	17500	Gravel
17500	17600	17600	Gravel
17600	17700	17700	Gravel
17700	17800	17800	Gravel
17800	17900	17900	Gravel
17900	18000	18000	Gravel
18000	18100	18100	Gravel
18100	18200	18200	Gravel
18200	18300	18300	Gravel
18300	18400	18400	Gravel
18400	18500	18500	Gravel
18500	18600	18600	Gravel
18600	18700	18700	Gravel
18700	18800	18800	Gravel
18800	18900	18900	Gravel
18900	19000	19000	Gravel
19000	19100	19100	Gravel
19100	19200	19200	Gravel
19200	19300	19300	Gravel
19300	19400	19400	Gravel
19400	19500	19500	Gravel
19500	19600	19600	Gravel
19600	19700	19700	Gravel
19700	19800	19800	Gravel
19800	19900	19900	Gravel
19900	20000	20000	Gravel
20000	20100	20100	Gravel
20100	20200	20200	Gravel
20200	20300	20300	Gravel
20300	20400	20400	Gravel
20400	20500	20500	Gravel
20500	20600	20600	Gravel
20600	20700	20700	Gravel
20700	20800	20800	Gravel
20800	20900	20900	Gravel
20900	21000	21000	Gravel
21000	21100	21100	Gravel
21100	21200	21200	Gravel
21200	21300	21300	Gravel
21300	21400	21400	Gravel
21400	21500	21500	Gravel
21500	21600	21600	Gravel
21600	21700	21700	Gravel
21700	21800	21800	Gravel
21800	21900	21900	Gravel
21900	22000	22000	Gravel
22000	22100	22100	Gravel
22100	22200	22200	Gravel
22200	22300	22300	Gravel
22300	22400	22400	Gravel
22400	22500	22500	Gravel
22500	22600	22600	Gravel
22600	22700	22700	Gravel
22700	22800	22800	Gravel
22800	22900	22900	Gravel
22900	23000	23000	Gravel
23000	23100	23100	Gravel
23100	23200	23200	Gravel
23200	23300	23300	Gravel
23300	23400	23400	Gravel
23400	23500	23500	Gravel
23500	23600	23600	Gravel
23600	23700	23700	Gravel
23700	23800	23800	Gravel
23800	23900	23900	Gravel
23900	24000	24000	Gravel
24000	24100	24100	Gravel
24100	24200	24200	Gravel
24200	24300	24300	Gravel
24300	24400	24400	Gravel
24400	24500	24500	Gravel
24500	24600	24600	Gravel
24600	24700	24700	Gravel
24700	24800	24800	Gravel
24800	24900	24900	Gravel
24900	25000	25000	Gravel
25000	25100	25100	Gravel
25100	25200	25200	Gravel
25200	25300	25300	Gravel
25300	25400	25400	Gravel
25400	25500	25500	Gravel
25500	25600	25600	Gravel
25600	25700	25700	Gravel
25700	25800	25800	Gravel
25800	25900	25900	Gravel
25900	26000	26000	Gravel
26000	26100	26100	Gravel
26100	26200	26200	Gravel
26200	26300	26300	Gravel
26300	26400	26400	Gravel
26400	26500	26500	Gravel
26500	26600	26600	Gravel
26600	26700	26700	Gravel
26700	26800	26800	Gravel
26800	26900	26900	Gravel
26900	27000	27000	Gravel
27000	27100	27100	Gravel
27100	27200	27200	Gravel
27200	27300	27300	Gravel
27300	27400	27400	Gravel
27400	27500	27500	Gravel
27500	27600	27600	Gravel
27600	27700	27700	Gravel
27700	27800	27800	Gravel
27800	27900	27900	Gravel
27900	28000	28000	Gravel
28000	28100	28100	Gravel
28100	28200	28200	Gravel
28200	28300	28300	Gravel
28300	28400	28400	Gravel
28400	28500	28500	Gravel
28500	28600	28600	Gravel
28600	28700	28700	Gravel
28700	28800	28800	Gravel
28800	28900	28900	Gravel
28900	29000	29000	Gravel
29000	29100	29100	Gravel
29100	29200	29200	Gravel
29200	29300	29300	Gravel
29300	29400	29400	Gravel
29400	29500	29500	Gravel
29500	29600	29600	Gravel
29600	29700	29700	Gravel
29700	29800	29800	Gravel
29800	29900	29900	Gravel
29900	30000	30000	Gravel
30000	30100	30100	Gravel
30100	30200	30200	Gravel
30200	30300	30300	Gravel
30300	30400	30400	Gravel
30400	30500	30500	Gravel
30500	30600	30600	Gravel
30600	30700	30700	Gravel
30700	30800	30800	Gravel
30800	30900	30900	Gravel
30900</			