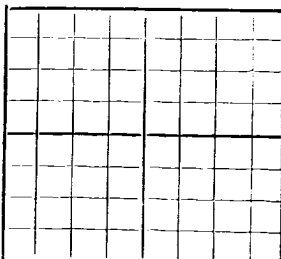


N.

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days
after completion of well. Indicate questionable data by fol-
lowing it with (?). Submit in duplicate.

Company The Midwest Refining Company Address Casper, Wyoming.
Send correspondence to Midwest Refining Co., Address Hobbs, New Mexico.
State 38E Well No. 33 in NW 1/4 of Sec. 4, T. 19S,
R. 38E, N. M. P. M. Hobbs Oil Field Lea County.
If State land the oil and gas lease is No. 2056 Assignment No. _____
If patented land the owner is _____ Address _____
The lessee is The Midwest Refining Company Address Casper, Wyoming.
If not state or patented land, give status _____
Drilling commenced June 28, 1930 Drilling was completed August 27, 1930
Name of drilling contractor Alamo Drilling Company Address Amarillo, Texas.
Elevation above sea level at top of casing 3611 feet.
The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from G 3700 to 3704 No. 4, from _____ to _____
No. 2, from G 4025 to 4035 No. 5, from _____ to _____
No. 3, from G 4080 to 4175 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 35 to _____ No. 3, from _____ to _____
No. 2, from 65 to 90 No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>13"</u>	<u>50#</u>	<u>8</u>	<u>YGBT</u>	<u>259'</u>	<u>Plain</u>				
<u>9-5/8"</u>	<u>45#</u>	<u>8</u>	<u>St'd</u>	<u>2785'</u>	<u>Plain</u>				
<u>6-5/8"</u>	<u>26#</u>	<u>10</u>	<u>St'd</u>	<u>3993'</u>	<u>C-Float</u>				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>13"</u>	<u>259'</u>	<u>one hundred six</u>	<u>Halliburton</u>		
<u>9-5/8"</u>	<u>2785'</u>	<u>three hundred</u>	<u>"</u>		
<u>6-5/8"</u>	<u>3993'</u>	<u>one hundred thirty-five</u>	<u>"</u>		

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

TOOLS USED

Rotary tools were used from Surface feet to 4175 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing August 28, 1930.
The production of the first 24 hours was 4536 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, Be. 35.5
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYES

Alamo Drilling Company, Driller _____ Contractor, Driller _____
_____, Driller _____, Driller _____

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work
done on it so far as can be determined from available records.

Subscribed and sworn to before me this 1 Name J. M. Arthur
day of Sept, 1930 Position Field Superintendent
J. M. Arthur Representing The Midwest Refining Company
Notary Public. Company or Operator
My commission expires July 18-1934

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	40	40	Hard sand (Water at 35')
40	55	15	Hard shells
55	90	35	Sand (Water)
90	120	30	Hard sand and lime shells
120	153	33	Hard broken sand
153	186	33	Hard sand and red beds
186	259	73	Red beds
259	470	111	Red beds and shale
479	620	150	Shale
620	960	340	Red beds and shale
960	1040	80	Hard sand and broken red rock
1040	1100	60	Red rock and lime shells
1100	1120	20	Red rock and lime shells
1120	1190	70	Hard sand and lime shells
1190	1230	40	Red rock
1130	1242	12	Hard sand and broken shells
1142	1300	58	Red rock, hard sand and shale
1300	1321	21	Hard sand
1321	1397	76	Hard sand and red rock
1397	1430	33	Red rock and broken anhydrite
1430	1470	40	Anhydrite
1470	1568	98	Anhydrite and broken red rock
1568	1631	63	Anhydrite and broken salt and red rock
1631	1705	74	Anhydrite, red rock and salt
1705	1722	17	Salt
1722	1995	273	Broken anhydrite, salt and potash
1995	2156	161	Anhydrite, potash and salt
2156	2315	159	Anhydrite, red rock, potash and salt
2315	2404	89	Anhydrite, salt and potash
2404	2539	135	Anhydrite, salt, red rock and potash
2539	2570	31	Salt and anhydrite
2570	2613	43	Anhydrite and hard red rock
2613	2661	48	Hard anhydrite
2661	2700	39	Anhydrite and broken red rock
2700	2740	40	Anhydrite and hard red rock
2740	2751	11	Sticky red beds
2751	2803	52	Anhydrite and lime
2803	2891	88	Anhydrite, lime and sand
2891	3050	159	Anhydrite
3050	3214	164	Anhydrite and broken lime
3214	3245	31	Hard lime and broken anhydrite
3245	3595	350	Anhydrite and broken lime
3595	3681	86	Hard brown lime
3681	3686	5	Lime
3686	3700	14	Hard lime
3700	3704	4	Sand (Showing gas)
3704	3739	35	Broken lime and sand
3739	3757	18	Hard sandy lime
3757	3762	5	Hard sandy lime
3762	3778	16	Hard lime
3778	3831	53	Hard sandy lime
3831	3895	64	Hard lime
3895	3919	24	Hard lime broken
3919	3954	35	Lime
3954	3996	42	Sandy lime
3996	4001	5	Lime
4001	4020	19	Sandy lime
3993	4006	13	Sandy lime (Measurement corrected from 4020 to 3993')
4006	4157	51	Sandy lime
4157	4175	18	Lime
			Completed- Proration test 4536 barrels oil.