

N.

AREA 640 ACRES
LOCATE WELL CORRECTLY

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 following it with (?). Submit in duplicate.

Company The Midwest Refining Company Address Denver, Colorado.
 Send correspondence to do Address Hobbs, N. M.
State Well No. 11 in NW $\frac{1}{4}$ of Sec. 4, T. 19 S,
 R. 38 E, N. M. P. M., Hobbs Oil Field Lea County.
 If State land the oil and gas lease is No. A-1212 Assignment No. _____
 If patented land the owner is _____, Address _____
 The lessee is The Midwest Refining Company, Address Denver, Colorado.
 If not state or patented land, give status _____
 Drilling commenced December 16th 19 31. Drilling was completed February 14th 19 32
 Name of drilling contractor P. J. Sines, Address Amarillo Texas
 Elevation above sea level at derrick floor 3628.7 feet.
 The information given is to be kept confidential until _____ 19 _____.

OIL SANDS OR ZONES

No. 1, from Gas 2812 to 2820 No. 4, from _____ to _____
 No. 2, from O&G 3176 to 3180 No. 5, from _____ to _____
 No. 3, from O&G 3995 to 4175 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 50 to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>16</u>	<u>70</u>	<u>8</u>	<u>S.H.</u>	<u>201</u>	<u>none</u>				<u>water shut-off</u>
<u>10-3-4</u>	<u>45.5</u>	<u>8</u>	<u>Natl</u>	<u>2754</u>	<u>float</u>				<u>protect salt</u>
<u>8-5-8</u>	<u>36</u>	<u>8</u>	<u>Natl</u>	<u>3976</u>	<u>float</u>				<u>oil string</u>

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>16</u>	<u>201</u>	<u>125</u>	<u>Halliburton</u>		
<u>10-3-4</u>	<u>2754</u>	<u>400</u>	<u>do</u>		
<u>8-5-8</u>	<u>3976</u>	<u>150</u>	<u>do</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 0 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 February 16th, 19 32.
 The production of the first 24 hours was 17,366 barrels of fluid of which 85 % was oil; _____ %
 emulsion; 15 % water; and _____ % sediment. Gravity, Be 35.5 (Net oil 14,761 bbls)
 If gas well, cu. ft. per 24 hours 14,500,000 Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____ (Rate of flow on one hour official test)

EMPLOYEES

E. S. Tucker, Driller O. R. Johnson, Driller
P. J. Sines, Driller Cecil Watson, 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 20th Name C. E. Scott
 day of February, 19 32 Position District Superintendent
 _____ Representing The Midwest Refining Company
 Notary Public. Company or Operator.

My commission expires Oct 17th 1934

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	50	50	caliche
50	190	140	sand and shells (water at 50')
190	1130	940	red rock and shells
1130	1140	10	sandy lime shell
1140	1210	70	hard sand
1210	1495	285	red rock and sand shells
1495	1505	10	broken red rock and anhydrite (top anhydrite 1500')
1505	1575	70	anhydrite
1575	1638	63	anhydrite and red rock
1638	2630	992	salt, anhydrite and red rock (salt section)
2630	2665	35	sticky gyp and broken anhydrite
2665	2695	30	anhydrite and lime
2695	2720	25	lime
2720	2757	37	anhydrite
2757	2804	47	lime and broken anhydrite
2804	2812	8	lime (Samples show top brown lime 2805)
2812	2820	8	sand (gas)
2820	2863	43	anhydrite and broken lime
2863	2946	83	broken anhydrite
2946	3143	197	anhydrite and lime shells (gas pocket at 3110)
3143	3176	33	lime and anhydrite
3176	3180	4	oil and gas sand
3180	3182	2	lime
3182	3327	145	anhydrite
3327	3384	57	anhydrite and broken lime
3384	3667	283	lime
3667	3718	51	hard sandy lime
3718	3748	30	lime
3748	3751	3	soft sand (returns show increase in oil)
3751	3768	17	lime
3768	3785	17	broken anhydrite and lime
3785	3900	15	lime
3900	3933	33	sandy lime
3933	4025	192	lime (samples show top white lime 3995')
4025	4038	13	oil lime (very soft)
4038	4061	23	soft lime
4061	4105	44	hard lime
4105	4110	5	soft sand
4110	4150	40	sandy lime
4150	4175	25	lime (total Depth 4175)

Approved T. A. Stanley
State Oil & Gas Inspector
Feb 23 1932.