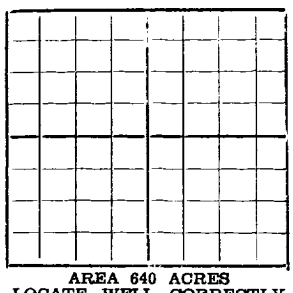
Form SG 108

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 The Midwest Refining Co. Address Hobbs, New Mexico.

State Well No. 11 in SW ¼ of Sec. 5, T. 19

R. 38, 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 Denver, Colorado.

If not state or patented land, give status

Drilling commenced December 18, 1930. Drilling was completed January 25, 1931

Name of drilling contractor Olson Drilling Co., Address Tulsa, Okla.

Elevation above sea level at top of casing 3619.5 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from G 2840 to No. 4, from G 3220 to 3253

No. 2, from G 2881 to 2899 No. 5, from G 4030 to 4193'5"

No. 3, from G 2900 to 2955 No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 55 to 80 No. 3, from to

No. 2, from 88 to 155 No. 4, from to

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
16"	70.	8	Natl	192	None				
10-3-4"	45.5	8	St'd	2734	C-Flent				
6-5-8"	26.	10	"	3984'10"	C-Flent				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
16"	192'	100	Halliburton		
10-3-4"	2734'	500	Halliburton		
6-5-8"	3989' 7"	150	Halliburton		

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 4193'5" feet, and from feet to feet

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

PRODUCTION

Put to producing Feb. 1, 1931. On 1 hr open flow test on 1-28-31

The production ~~was~~ first 24 hours was 8,830 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

Olson Drilling Co, Driller Contractors, 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 6th day of February, 1931

Notary Public.

My commission expires Oct. 17, 1934

Name

Postion Field Superintendent

Representing The Midwest Refining Company
Company or Operator

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	55	55	Caliche
55	80	25	Water sand
80	88	8	Lime rock
88	155	67	Water sand
155	200	45	Red beds
200	425	225	Red beds and broken shells
425	1060	635	Red beds and shells
1060	1072	12	Hard sand
1072	1086	14	Red beds
1086	1150	65	Red beds and shells
1150	1200	50	Red beds and hard shells
1200	1213	13	Sandy lime
1213	1350	137	Red beds and lime shells
1350	1404	54	Red beds and sandy lime shells
1404	1429	25	White sand
1429	1450	21	Red beds and lime shells
1450	1470	20	Red beds, stiaky
1470	1485	15	Red rock, sand and anhydrite
1485	1530	45	Red beds and lime shells
1530	1597	67	Anhydrite
1597	1645	48	Anhydrite and red bed shells
1645	1760	15	Salt and Anhydrite shells
1760	1880	120	Salt
1880	2465	585	Salt, potash and anhydrite shells
2465	2531	66	Salt
2531	2828	297	Anhydrite
2828	2855	27	Brown lime (first gas at 2840)
2855	2881	26	Anhydrite
2881	2889	8	Porus lime (gas)
2889	2900	11	Anhydrite
2900	2955	55	Porus lime (gas from 2900 to 2910)
2955	3210	255	Anhydrite
3210	3255	45	Anhydrite and sand (showing oil from 3220 to 3253)
3255	3752	499	Anhydrite
3752	3867	115	Anhydrite and lime
3867	3905	38	Lime
3905	3963	58	Lime and broken sand
3963	3980	17	Sand and lime. (cored)
3980	4030	50	Sandy lime
4030	4100	70	Sandy lime, soft (showing oil)
4100	4162	62	Sandy lime (increasing oil)
4162	4193'3"	31'3"	Lime (S.L.M.) " "

(Proration test thru tubing 5,022 Bbls)
" " " Casing and tubing 8,230 Bbls

Received of the Midwest Refining Company
Log of well - State 11, SW¼ 5-19-36.

Jos. P. Sullivan

State Gas and Oil Insp.