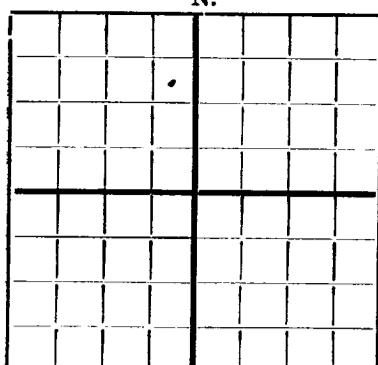


N.

AREA 640 ACRES  
LOCATE WELL CORRECTLYNEW MEXICO STATE LAND OFFICE  
SANTA FE, NEW MEXICO

## DEPARTMENT OF THE STATE GEOLOGIST

NEW MEXICO SCHOOL OF MINES  
Socorro, New Mexico

## WELL RECORD

Mail to State Geologist, Socorro, 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 The Midwest Refining Co. Address Hobbs, New Mexico  
State Well No. 13 in NE 1/4 of Sec. 15, T. 19S,  
R. 33E, 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 April 20, 19 30 Drilling was completed June 27, 19 30  
Name of drilling contractor Oil Well Drilling Company, Address Roswell, New Mexico  
Elevation above sea level at top of casing 3898.7 feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from G 2760 to \_\_\_\_\_ No. 4, from G 3840 to \_\_\_\_\_  
No. 2, from G 2910 to \_\_\_\_\_ No. 5, from O 4110 to \_\_\_\_\_  
No. 3, from G 3105 to \_\_\_\_\_ No. 6, from O 4155 to 4166  
G 3245 3270 O 4170 4173  
**IMPORTANT WATER SANDS**

No. 1, from 45 to 129 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3245 to 3250 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>16"</u>	<u>70#</u>	<u>8</u>	<u>YGST</u>	<u>130'</u>	<u>Plain</u>				<u>Water shut-off</u>
<u>10 3/4"</u>	<u>45.5#</u>	<u>8</u>	<u>Std.</u>	<u>1647'</u>	<u>"</u>				<u>Protect salt</u>
<u>8 5/8"</u>	<u>36#</u>	<u>10</u>	<u>"</u>	<u>4010'</u>	<u>"</u>				<u>Oil string</u>

## MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>16"</u>	<u>130'</u>	<u>Fifty</u>	<u>Halliburton</u>		
<u>10 3/4"</u>	<u>1647'</u>	<u>Seventy five</u>	<u>"</u>		
<u>8 5/8"</u>	<u>4010'</u>	<u>Seventy 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 130 feet to 1647 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from Surface feet to 130 feet, and from 1647 feet to 4173 feet

## PRODUCTION

Put to producing June 28, 19 30  
The production for the first 24 hours was 423 barrels of fluid of which 100 % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be. 35.5  
If gas well, cu. ft. per 24 hours 1,000,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Oil Well Drilling Company, 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 17  
day of July, 19 30  
Marion V. Hawke  
Notary Public  
My commission expires June 9, 1934

Name Tam Sartor  
Position Field Supt.  
Representing The Midwest Refining Company  
Company or Operator

## FORMATION RECORD

From	to	Thickness in Feet	Formation
0	45	45	Gypsum
45	120	75	Gypsum, red beds and sand
120	129	9	Sand
129	135	6	Anhydrite
135	140	5	Red beds
140	200	60	Red shale
200	500	300	Red beds
500	599	99	Red beds and hard sand
599	955	356	Broken red rock and red shale
955	961	6	Red rock
961	1155	194	Red beds with streaks of hard sand
1155	1164	9	Red rock
1164	1266	102	Red rock and hard sand rock
1266	1275	9	Anhydrite
1275	1305	30	Hard sand
1305	1308	3	Lime
1308	1320	12	Broken red rock
1320	1360	40	Red rock and hard sand
1360	1363	3	Lime
1363	1423	60	Broken red rock
1423	1525	102	Broken red rock and red beds
1525	1533	8	Hard sand
1533	1553	20	Red rock
1553	1568	15	Hard sand
1568	1571	3	Boulders
1571	1596	25	Red rock
1596	1710	114	Anhydrite
1710	1725	15	Red beds
1725	2485	760	Salt
2485	2500	15	Anhydrite
2500	2650	150	Salt
2650	2725	75	Salt and anhydrite
2725	2780	55	Anhydrite
2780	2810	30	Red beds
2810	2835	25	Red rock
2835	2850	15	Anhydrite
2850	2880	30	Red rock
2880	2905	25	Anhydrite
2905	3230	325	Lime
3230	3235	5	Red rock
3235	3280	45	Anhydrite
3280	3345	65	Lime and anhydrite
3345	3670	325	Lime
3670	3685	15	Brown lime
3685	3760	75	Lime and anhydrite
3760	4178	418	Lime