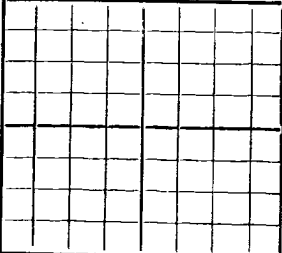


N.



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 following it with (?). Submit in duplicate.

Company The Midwest Refining Company Address Casper, Wyoming.
Send correspondence to Midwest Refining Co. Address Hobbs, New Mexico
McKinley Well No. 20 in NW 1/4 of Sec. 5, T. 19 S, R. 33 E, N. M. P. M., Hobbs Oil Field Lea County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is H. D. & S. McKinley Address Hobbs, N. Mex.
The lessee is The Midwest Refining Co. Address Hobbs, N. Mex.
If not state or patented land, give status _____
Drilling commenced October 29, 19 30 Drilling was completed December 3, 19 30
Name of drilling contractor Olsen Drilling Company Address Tulsa, Oklahoma
Elevation above sea level at top of casing _____ feet.
The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from <u>0 2810</u> to <u>2820</u>	No. 4, from <u>0 3915</u> to <u>3930</u>
No. 2, from <u>0 3170</u> to <u>3175</u>	No. 5, from <u>0 3950</u> to <u>3975</u>
No. 3, from <u>0 3690</u> to <u>3700</u>	No. 6, from <u>0 4060</u> to <u>4208</u>

IMPORTANT WATER SANDS

No. 1, from _____ 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	OUT AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>1 1/2"</u>	<u>50</u>	<u>8</u>	<u>Ygst</u>	<u>212'2"</u>	<u>None</u>				
<u>9-5-8"</u>	<u>40</u>	<u>8</u>	<u>Std</u>	<u>2771'6"</u>	<u>0 Float</u>				
<u>6-5-8"</u>	<u>26</u>	<u>10</u>	<u>Std</u>	<u>3950'10"</u>	<u>0 Float</u>				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>1 1/2"</u>	<u>212</u>	<u>150</u>	<u>Halliburton</u>		
<u>9-5-8"</u>	<u>2780</u>	<u>500</u>	<u>Halliburton</u>		
<u>6-5-8"</u>	<u>3950</u>	<u>180</u>	<u>Halliburton</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 40 feet to 4208 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 40 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing December 9, 19 30
The production of the first 24 hours was 12,215 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be 35.5
If gas well, cu. ft. per 24 hours 12,000,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYES

Olsen 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 12th Name Tam Sather
day of December, 19 30 Position Field Superintendent
V. H. Birch Representing The Midwest Refining Company
Notary Public. Company or Operator
My commission expires Oct. 18, 1934

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	40	40	Surface and water sand
40	60	20	Lime and sand
60	165	105	Sand
165	180	15	Lime
180	212	32	Lime and red beds
212	712	500	Red beds and hard sand
712	1235	523	Red beds
1235	1250	15	Hard sand
1250	1345	95	Anhydrite
1345	1616	271	Anhydrite and red beds
1616	1636	20	Salt
1636	1656	20	Anhydrite
1656	1826	170	Anhydrite and salt
1826	2060	234	Salt
2060	2084	24	Anhydrite and red beds
2084	2326	242	Salt and Potash
2326	2540	214	Salt
2540	2650	110	Anhydrite and salt
2650	2780	130	Anhydrite and red beds
2780	2810	30	Anhydrite and lime
2810	2820	10	Sand (Gas)
2820	3170	350	Anhydrite and lime
3170	3175	5	Sand (Oil)
3175	3690	515	Anhydrite and lime
3690	3700	10	Lime and sand (Gas)
3700	3913	213	Lime
3913	3950	37	Lime and sand (Gas from 3913 to 3939)
3950	4060	110	Lime (Show of oil 3950 to 3975)
4060	4145	85	Lime and sand (Shows oil)
4145	4208	63	Lime (Shows oil)
			Protraction test 12,215 barrels
			Received of Midwest Refining Company Log of McKinley Well No. 26 NW $\frac{1}{4}$ Sec. 5, T 19 S., R 33 E.
			State Oil & Gas Inspect.