

Rec'd and Fwd.
10-17
T. A. Stancliff
State Oil & Gas Inspector

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.

N.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Company Empire Gas & Fuel Address Hobbs, New Mexico
 Send correspondence to D.D. Bodie Address Drawer G, Hobbs, N.M.
 Well No. 4 in NW 1/4 of Sec. 19, T. 18, R. 38, N. M. P. M., Oil Field Hobbs County.
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is Boon Hardin, Address Hobbs, N.M.
 The lessee is _____, Address _____
 If not state or patented land, give status _____
 Drilling commenced July 12 19 32 Drilling was completed August 31 19 32
 Name of drilling contractor Moran Drilling Co., Address Wichita Falls, Tex.
 Elevation above sea level at top of casing 3670 feet.
 The information given is to be kept confidential until _____ 19 _____.

OIL SANDS OR ZONES

No. 1, from 4056 to 4204 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

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	CUT & PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>12 1/2</u>	<u>50</u>	<u>8</u>		<u>230'</u>					
<u>9</u>	<u>34</u>	<u>8</u>		<u>2770'</u>					
<u>7</u>	<u>24</u>	<u>10</u>		<u>3945'</u>					

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>12 1/2</u>	<u>230'</u>	<u>150</u>			
<u>9</u>	<u>2770</u>	<u>500</u>			
<u>7</u>	<u>3945</u>	<u>250</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 4204 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing Sept. 3 19 32
 The production of the first 24 hours was 5800 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be. 35 ?
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 1400

EMPLOYEES

F.B. Lewis, Driller _____, Driller
E. Havens, 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 14th day of October, 19 32 Name D.D. Bodie
 Position Dist. Supt.
 Representing Empire Gas & Fuel Co.
 Notary Public. _____ Company or Operator.
 My commission expires June 22-1934

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
Surface	98	98	Sand & Shells
98	105	7	Hard Lime
105	212	107	Sand & Shells
212	1027	815	Red Bed & Shells
1027	1077	50	Red Bed & Sand
1077	1142	65	Sand & Lime
1142	1190	48	Shale & Shells
1190	1292	108	Hard Sand & Shells
1292	1382	90	Shale & Shells
1382	1405	23	Hard Sandy Lime
1405	1511	106	Red Bed
1511	1655	144	Anhydrite & Red Bed
1655	1750	95	Salt & Anhydrite
1750	1800	50	Salt & Potash
1800	2515	715	Salt
2515	2564	49	Salt & Anhydrite
2564	2770	206	Anhydrite
2770	3207	437	Anhydrite- Broken Lime & Sand
3207	3598	291	Anhydrite & Sand
3598	3661	64	Anhydrite
3661	3696	35	Hard Lime
3696	3894	198	Anhydrite
3894	3952	58	Anhydrite & Sand
3952			
3952	4026	74	Lime
4026	4204	178	Lime & Sand- Total Depth