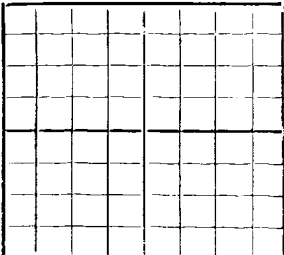


N.



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 Empire Gas & Fuel Co. Address Barstoville, Mo.
Send correspondence to J. J. Doolin Address Barstoville, Mo.
Well No. 1 in 11 of Sec. 17, T. 18N, R. 39E, N. M. P. M., Oil Field Hobbs, 02 County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is Leon Hardin Address _____
The lessee is _____ Address _____
If not state or patented land, give status _____
Drilling commenced Aug. 1 19 30. Drilling was completed Sept. 15 19 30.
Name of drilling contractor Coran Drilling Co. Address Leakeyville, Texas
Elevation above sea level at top of casing 3662 feet.
The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from 220 to 2255 No. 4, from _____ to _____
No. 2, from 1125 to 1200 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 AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>12 1/2</u>	<u>50</u>	<u>8</u>		<u>241</u>	<u>Box...</u>	<u>lost in</u>			
<u>9 5/8</u>	<u>40</u>	<u>8</u>		<u>2750</u>					
<u>7 1/2</u>	<u>34</u>	<u>10</u>		<u>3001</u>					

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>12 1/2</u>	<u>241</u>	<u>200</u>			
<u>9 5/8</u>	<u>2750</u>	<u>500</u>			
<u>7 1/2</u>	<u>3001</u>	<u>500</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 4209 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing Sept. 15, 19 30
The production of the first 24 hours was 11640 barrels of fluid of which 106 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. J. Doolin, Driller _____, Driller
J. J. Doolin, 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 3 Name _____
day of Oct, 19 30 Position 1st. int. production
Mary Frances Beal Representing Empire Gas & Fuel Co.
Notary Public. Company or Operator
My commission expires June 10 1934

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	30	30	Colloids
30	109	79	Sand & Gravel
109	110	1	Granite
110	114	4	Gravel
114	117	3	Granite
117	205	88	Sand & Gravel
205	299	94	Red bed; set 12 1/2" casing at 241'
299	365	66	Red bed, sand and shells
365	535	169	Red bed
535	600	67	Red bed, sand and shells
600	736	136	Red bed
736	766	30	Sand
766	783	17	Red bed
783	796	13	Hard sand
796	878	82	Broken sand and shells
878	1155	277	Red bed
1155	1441	286	Hard sand
1441	1476	35	Sand and gypsum
1476	1617	141	Anhydrite
1617	1700	83	Anhydrite and potash
1700	1715	15	Salt
1715	1836	121	Broken anhydrite and potash
1836	2110	274	Potash and salt
2110	2370	260	Salt
2370	2392	22	Anhydrite
2392	2479	87	Salt
2479	2595	116	Broken lime and red bed
2595	2701	106	Broken lime and anhydrite
2701	2830	129	Anhydrite; set 9" casing at 2730'
2830	2850	20	Lime
2850	2870	20	Lime and anhydrite
2870	3032	162	Anhydrite
3032	3240	208	" and sand
3240	3255	15	Sand (show of oil)
3255	3963	708	Sand and anhydrite
3963	3973	10	Shale
3973	3991	18	Lime; set 7" casing at 3991'
3991	4209	208	Lime; total depth 4209';