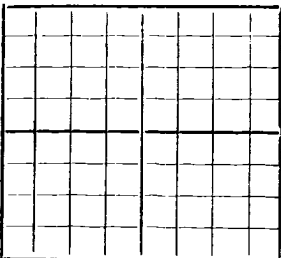


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NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

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 **The Midwest Ref. Co** Address **Hobbs, New Mexico.**

State **38** Well No. **3** in **SW 1/4** of Sec. **4** 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 **Casper, Wyoming**

If not state or patented land, give status

Drilling commenced **June 21** 19**30** Drilling was completed **August 15,** 19**30**

Name of drilling contractor **Olson Drilling Company** Address **Tulsa, Okla.**

Elevation above sea level at top of casing **3609.7** feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from **G 2805** to **2820** No. 4, from **0 3988** to **4175**
No. 2, from **0 3170** to **3174** No. 5, from to
No. 3, from **0 3704** to **3730** No. 6, from to

IMPORTANT WATER SANDS

No. 1, from **60** to **90** No. 3, from to
No. 2, from **120** to **135** 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	
13	50	8	YGST	250	Plain				Water shut-off
9-5/8	40	8	St'd	2779	"				Protect salt
6-5/8	26	10	Natl	3795	C-Float				Oil string

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
13	250	one hundred fifty	Halliburton		
9-5/8	2779	three hundred	"		
6-5/8	3795	Two hundred	"		

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 **4175** feet, and from feet to feet

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

PRODUCTION

Put to producing **August 15,** 19**30**

The production of the first 24 hours was **2138** barrels of fluid of which **100** % was oil; **no** % 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.

EMPLOYES

Olson Drilling Co, Driller **contractor**, 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 **20** Name **Tom Sartin**

day of **Aug-**, 19**30** Position

J. E. Cherry Notary Public. Representing **The Midwest Refining Company** Company or Operator

My commission expires **July 18-1934**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Calache
20	44	24	Sand
44	50	6	Hard shells
50	60	10	Lime shells
60	90	30	Sand
90	100	10	Lime
100	115	15	Sand
115	120	5	Lime
120	135	15	Sand
135	150	15	Red shale
150	250	100	Red rock
250	1010	760	Red beds
1010	1018	8	Hard sand
1018	1117	99	Red beds and shells
1117	1128	5	Hard sand
1128	1230	108	Red beds
1230	1238	8	Hard sand
1238	1400	162	Red beds sand & shells
1400	1454	54	Shale and shells
1454	1517	63	Anhydrite and red rock
1517	1550	33	Anhydrite
1550	1595	45	Anhydrite and red shale
1595	1627	32	Anhydrite and red rock
1627	1640	13	Salt
1640	1675	35	Salt and red shells
1675	2565	890	Salt
2565	2635	70	Shells and anhydrite
2635	2678	23	Anhydrite
2678	2708	30	Anhydrite and red rock
2708	2718	10	Anhydrite
2718	2750	32	Brown shale
2750	2770	20	Red sticky shale
2770	2775	5	Anhydrite and shells
2775	2779	4	Lime
2779	2805	6	Lime
2805	2820	15	Sand showing gas
2820	2829	9	Anhydrite
2829	3170	341	Anhydrite and sand
3170	3174	4	Sand showing oil
3174	3189	15	Anhydrite
3189	3335	146	Anhydrite and lime
3335	3465	130	Lime and sand
3465	3535	70	Anhydrite and sand
3535	3550	15	Anhydrite
3550	3570	20	Anhydrite and sand
3570	3704	134	Anhydrite and lime
3704	3730	26	Lime and sand Showing oil & gas
3730	3795	65	Lime and Anhydrite
3795	3899	104	Lime
3899	3982	83	Sandy lime
3982	3988	6	Lime
3988	4005	17	Broken lime and oil sand
4005	4033	28	Sand (Oil and gas)
4033	4175	42	Lime Oil and gas.

Perforation test 2138 barrels.