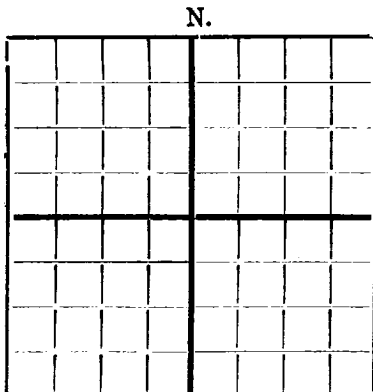




DEPARTMENT OF THE STATE GEOLOGIST

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 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.~~

Byers Well No. 33 in NE 1/4 of Sec. 4, T. 19S,

R. 38E, 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 A. H. and M. Byers, Address Hobbs, New Mexico.

The lessee is ~~The Midwest Refining Company~~, Address ~~Casper, Wyoming.~~

If not state or patented land, give status

Drilling commenced April 14, 1930. Drilling was completed August 13, 1930.

Name of drilling contractor Eastland Oil Co, Address Fort Worth, Texas.

Elevation above sea level at top of casing 3616.7 feet.

The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 0 2805 to No. 4, from 0 3900 to 3995

No. 2, from 0 3150 to No. 5, from 0 4020 to 4025

No. 3, from 0 3222 to 3226 No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 60 to 70 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 FROM TO	PURPOSE
16	70	8	YGBT	152'	Plain			Shut off wat
10 3/4	45 1/2	8	Std	1525'	"			Protect salt
8-5/8	36	10	Natl	3259'	"			Protect salt
6-5/8	26	10	Natl	3952'	"			Oil string

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
16	152'	360	Halliburton		
10 3/4	1523'	75	"		
8-5/8	3250'	60	"		
6-5/8	3952'	50	"		

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
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TOOLS USED

Rotary tools were used from Surface feet to 1525 feet, and from feet to feet

Cable tools were used from 1525 feet to 4025 feet, and from feet to feet

PRODUCTION

Put to producing August 13, 1930

The production for the first 24 hours was 21,249 barrels of fluid of which 100% 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

Eastland Oil 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 20

day of May, 1930

Name Tom Sartin

Position Field Supt

Representing The Midwest Refining Company
Company or Operator

My commission expires July 30, 1934

FORMATION RECORD

From	to	Thickness in Feet	Formation
0	40	40	Caliche
40	60	20	Sand
60	70	10	Water sand
70	135	65	Sand
135	150	15	Sand and red clay
150	202	52	Sand and red beds
202	350	28	Red beds
330	460	30	Red beds and hard sand
460	1015	555	Red beds
1015	1115	100	Red beds and red shale
1115	1190	75	Anhydrite and hard shells
1190	1275	85	Red rock and anhydrite
1275	1462	187	Red rock and shale
1462	1481	19	Broken red rock
1481	1508	27	Broken red rock
1508	1520	12	Red rock and anhydrite
1520	1615	95	Anhydrite
1615	1730	115	Salt
1730	1765	35	Anhydrite
1765	1810	45	Salt
1810	1835	25	Anhydrite
1835	2380	545	Salt
2380	2410	30	Anhydrite
2410	2515	105	Salt
2515	2530	15	Anhydrite
2530	2580	50	Red rock
2580	2615	35	White and red rock
2615	2690	75	Anhydrite
2690	2700	10	Red rock
2700	2710	10	Hard rock
2710	2730	20	Caving red rock
2730	2755	25	Caving red rock
2755	2820	65	Hard anhydrite Gas at 2805
2820	3170	350	Anhydrite Gas and oil at 3150
3170	3190	20	Sand
3190	3200	10	Hard lime
3200	3205	5	Hard anhydrite
3205	3226	21	Lime . Gas at 3222 and 3233
3226	3259	33	Hard lime
3259	3685	426	Anhydrite
3685	3720	45	Anhydrite and brown lime
3720	3725	5	Sand. Salt water
3725	3752	27	Sand. water
3752	3765	13	Lime
3765	3952	187	Gray lime
3952	3980	28	Black lime
3980	3990	10	Lime
3990	3995	5	Sand (first oil pay)
3995	4020	25	Lime
4020	4025	5	Lime cavity (Large pay Est 12,000 Bbls)