

R-33-E

N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Sec. 34

14

S

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPPLICATE.

AREA 040 ACRES
LOCATE WELL CORRECTLY

Shell Oil Company

State "N.M."

Lease

Company or Operator

Well No. 4 in E/2 of Sec. 34, T. 14-S

R. 33-E, N. M. P. M., Saunders Field, Lea County.

Well is 3300 feet south of the North line and 1980 feet west of the East line of Section 34

If State land the oil and gas lease is No. E-2115 Assignment No. -

If patented land the owner is - Address -

If Government land the permittee is - Address -

The Lessee is Shell Oil Company Address Box 1957, Hobbs, N.M.

Drilling commenced 1-24 19 52 Drilling was completed 3-21 19 52

Name of drilling contractor Oil States Drlg. Co. Address Dallas, Texas

Elevation above sea level at top of casing 4193 feet.

The information given is to be kept confidential until Not confidential 19

OIL SANDS OR ZONES

No. 1, from 9768 to 9896 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	TO	PURPOSE
13-3/8	48	8rd. thd.	Pitts.	316'					Water String
8-5/8	32 & 29.3	8rd. thd.	Smith	4192'	Baker				Salt String
			National, Italian, Youngstown						
5-1/2	15.5 & 17	8rd. thd.	J&L	5921'	Liner Hung @	9921'			Oil String
			Yapings.		Larkin				
2		8rd. thd.		9825	Hung @	9836	9797	9805	Tubing String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13-3/8	331'	325	Pump & Plug	Cemented to surface	
11"	8-5/8	4205'	3000	Pump & Plug	Cemented to surface	
7-7/8"	5-1/2	9921'	900	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug--Material Length Depth Set

Adapters--Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment

RECORD OF DRILL-STEM AND SPECIAL TESTS

See reverse side

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 9921' PBD 9889 feet, and from feet to feet.

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

PRODUCTION

Put to producing 4-17- 19 52

The production of the first 24 hours was 255 barrels of fluid of which 98.4 % was oil; - %

emulsion: 1.6 % water; and 0 % sediment. Gravity, Be. 41.7° API

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas -

Rock pressure, lbs. per sq. in. - GOR 1820

EMPLOYEES

H. Sargent

Driller R. Frachsen

Driller

J. Henderson

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.

Hobbs, N. M.

April 28, 1952

Place

Date

Name J. D. Savage

Position Division Exploitation Engineer

Representing Shell Oil Company

Company or Operator.

Address Box 1957, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	339	339	Red Beds & Shale
339	1376	1037	Red Beds
1376	1658	282	Anhydrite
1658	2525	867	Salt
2525	3320	795	Anhydrite
3320	4111	791	Anhydrite & Gyp
4111	9921	5810	Lime & Shale
DST #1	9768 - 9825 (Penn. Lime)		Tool open 2 hrs. 51 mins. thru 5/8" BC & 1" TC on 3-1/2" DS. Gas in 57 mins., mud in 60 mins., oil in 73 mins. Cleaned to pits 6 mins. & turned to tanks. Flowed 88.44 BO in 1 hr. 32 mins., 51.44 BO best hour. Final shakeout 15% BS, no water, oil gr. 41.4° API GOR 94.2. Rec. rec. Rec. 30' (0.2 bbls.) salt water below circ. sub, titrating 51,000 PPM sol. Cl., pit mud titrated 1,000 PPM sol. cl. FBHP 1270 - 2845 psi. 1500 psi. 30-min. SIBHP 3645 psi. NMH 4740 - 4545 psi. <u>Positive Test.</u>
DST #2	9826 - 9855 (Penn. Lime)		Tool open 2 hrs. thru 5/8" BC & 1" TC on 3-1/2" DS. Moderate blow diminishing to weak in 1-1/4 hrs. Gas to surface in 53 mins. Rec. 1080' (7.5 bbls.) mud, 2520' (18.5 bbls.) very hvly. O&GCM, no water. Hvly. O&GCM. Titrated 16,500 PPM sol. cl., mud sample at top of tool titrated 4500 PPM sol. Cl., pit mud titrated 1000 PPM Sol. Cl. FBHP 540 - 1035 psi, 30-min. SIBHP 3410 psi, NMH 4545 psi - 4500 psi. <u>Positive Test.</u>
DST #3	9857 - 9877 (Penn. Lime)		Tool open 2-1/2 hrs. thru 5/8" BC & 1" TC on 3-1/2" DS. Moderate blow increasing to strong in 30 mins. Gas to surface in 58 mins. Rec. 2340' (17.4 bbls.) oil. GCM. 1080' (8.0 bbls.) moderately O&GCM, 180' (1.3 bbls.) very heavily O&GCM, No free water. FBHP 790 - 885 psi., 30-min. SIBHP 3125 psi. NMH 4500 psi. <u>Positive Test.</u>
DST #4	(9889 - 9901 (Penn. Lime)		Tool open 1 hr. & 34 mins. thru 5/8" BC & 1" TC on 3-1/2" DS. Very weak air blow lasting throughout test. Rec. 600' (4.4 bbls.) mud, no shows. FBHP 145 - 330 psi. 30-min SIBHP 395 psi. NMH 4545 - 4500 psi. <u>Positive Test.</u>
DST #5	9902 - 9921 (Penn. Lime)		Tool open 3 hrs. 22 mins. thru 5/8" BC & 1" TC on 3-1/2" DS. Gas to surface in 2 mins., mud in 12 mins., oil in 13 mins. Flowed to pits 2 mins. to clean. Flowed 47.81 BO in 1 hr. 52 mins., 30.13 BO 1st. hour. Shakeout avg. 2% BS & 1% Wtr. oil gr. 43.2° API. GOR 890. Well died. Rec. 1890' (14.0 bbls.) clean oil & 3690' (26.4 bbls.) SW. FBHP 1200 - 2375 psi., 30-min. SIBHP 2750 psi. NMH 4545 - 4500 psi. <u>Positive Test.</u>