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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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 TRIPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

SKELLY OIL COMPANY

Tulsa, Oklahoma

Company or Operator **H. O. Sims** Well No. **14** in **CNE NE** of Sec. **4**, T. **23S**
Lease **37E** N. M. P. M. **Skelly** Field, **Lea** County.
Well is **660** feet south of the North line and **660** feet west of the East line of **Section 4 -**
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is **Hugh O. Sims** Address **Eunice, New Mexico**
If Government land the permittee is _____ Address _____
The Lessee is **SKELLY OIL COMPANY** Address **Tulsa, Oklahoma**
Drilling commenced **Dec. 20, 1940** Drilling was completed **Feb. 10, 1941**
Name of drilling contractor **R. G. Pattillo** Address **Monahans, Texas**
Elevation above sea level at top of casing **3320** feet.
The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from **3562'** to **3680'** 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 | | PURPOSE |
|----------------|-----------------|------------------|-----------|----------------|-----------------------|-------------------|------------|----|---------|
| | | | | | | | FROM | TO | |
| 16" | 70 | 8 | LW | 71'4" | | | | | |
| 13" | 50 | 8 | LW | 428'9" | (Later pulled) | | | | |
| 10-3/4" | 40 | 8 | LW | 698'9" | " | " | | | |
| 8-5/8" | 32 | 8 | LW | 1180'0" | " | " | | | |
| 7" | 20 | 8 | SS | 3396'1" | | | | | |
| Tubing | | | | | | | | | |
| 2" EUE | 4.7 | 8 | SS | 3667'2" | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---------------|----------------|--------------|---------------------|--------------------|-------------------------------------|--------------------|
| 18" | 16" | 81' | 100 | Halliburton | Cement circulated to cellar. | |
| 8" | 7" | 3378' | 250 | Halliburton | | |
| Tubing | | | | | | |
| 2" EUE | | 3648' | Swing | | | |

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 |
|----------------|--------------------|----------------------------|---------------|----------------|-----------------------|------------------------|
| 450 Qts | 3" & 5" | NitroGlycerin | 450Qts | 2/12/41 | 3552-3680' | to Total Depth. |
| | | (Solidified) | | | | |

Results of shooting or chemical treatment **Increased production from an estimated 20 bbls per day to 44 bbls 24 hrs thru choke on 2" tubing.**

RECORD OF DRILL-STEM AND SPECIAL TESTS

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **Top 1/2** feet to **3680** feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **Feb. 18, 1941**
The production of the first 24 hours was **44** 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

R. M. Jones Driller _____ Driller
L. H. Homer 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 **5**day of **April** 19 **41**

Notary Public

My Commission expires **December 17, 1944**

Hobbs, New Mex. April 5, 1941

Place

Date

Name **J. T. Dunaway**Position **District Superintendent**Representing **SKELLY OIL COMPANY**

Company or Operator

Address **Hobbs, New Mexico**

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|----------------------------|
| Top | 30 | 30 | Caliche |
| 30 | 76 | 46 | Sand |
| 76 | 160 | 84 | Red rock |
| 160 | 200 | 40 | Red shale |
| 200 | 225 | 25 | Sand |
| 225 | 310 | 85 | Sand & red shale |
| 310 | 325 | 15 | Red rock |
| 325 | 510 | 185 | Red shale |
| 510 | 625 | 115 | Blue shale |
| 625 | 690 | 65 | Red shale |
| 690 | 745 | 55 | Sandy shale |
| 745 | 757 | 12 | Water sand |
| 757 | 800 | 43 | Shale |
| 800 | 870 | 70 | Blue shale |
| 870 | 880 | 10 | Red sand |
| 880 | 940 | 60 | Blue shale |
| 940 | 975 | 35 | Red shale |
| 975 | 1165 | 190 | Red rock |
| 1165 | 1270 | 105 | Anhydrite |
| 1270 | 1305 | 35 | Red anhydrite |
| 1305 | 1310 | 5 | Salt & red rock |
| 1310 | 1725 | 415 | Salt, anhydrite & red rock |
| 1725 | 1775 | 50 | Anhydrite, salt & shale |
| 1775 | 1875 | 100 | Salt & potash |
| 1875 | 1915 | 40 | Potash & anhydrite |
| 1915 | 1935 | 20 | Salt |
| 1935 | 1985 | 50 | Anhydrite & potash |
| 1985 | 2055 | 70 | Salt & red rock |
| 2055 | 2205 | 150 | Salt & potash |
| 2205 | 2245 | 40 | Salt, potash & anhydrite |
| 2245 | 2300 | 55 | Salt |
| 2300 | 2345 | 45 | Anhydrite & salt |
| 2345 | 2485 | 140 | Salt |
| 2485 | 2685 | 200 | Anhydrite |
| 2685 | 2765 | 80 | Broken anhydrite |
| 2765 | 2780 | 15 | Lime |
| 2780 | 2925 | 145 | Anhydrite |
| 2925 | 3423 | 498 | Lime |
| 3423 | 3445 | 22 | Soft lime |
| 3445 | 3530 | 85 | Hard & med. lime |
| 3530 | 3540 | 10 | Med. lime |
| 3540 | 3545 | 5 | Hard lime |
| 3545 | 3570 | 25 | Lime |
| 3570 | 3580 | 10 | Soft sand |
| 3580 | 3612 | 32 | Hard lime |
| 3612 | 3635 | 24 | Med. lime |
| 3635 | 3680 | 45 | Hard lime |