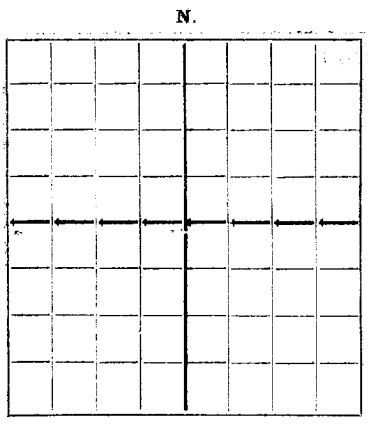
FORM C-105




AREA 640 ACRES
LOCATE WELL CORRECTLY

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED
JAN 9 - 1939
HOBBS OFFICE

## 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.

DUPLICATE

Skelly Oil Company (Company or Operator) Tulsa, Oklahoma (Address)

H. O. Sims (Lease) Well No. 4 in CNW NW of Sec. 3, T. 23

R. 37, N. M. P. M., Skelly Area Field, Lea County.

Well is 660 feet south of the North line and 4620 feet west of the East line of Section 3 -

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is H. O. Sims, Address Eunice, New Mexico

If Government land the permittee is _____, Address _____

The Lessee is Skelly Oil Company, Address Tulsa, Oklahoma

Drilling commenced October 20, 1938. Drilling was completed December 11, 1938

Name of drilling contractor J. C. Clower, Address Eunice, New Mexico

Elevation above sea level at top of casing 3382' feet.

The information given is to be kept confidential until _____ 19____.

### OIL SANDS OR ZONES

No. 1, from 3545' to 3577' 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 | PERFORATED TO | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| 16" OD | 70# | 8 | LW | 87'7" | | | | | |
| 10¾" OD | 40# | 8 | LW | 430'4" | (Landed - Later Pulled) | | | | |
| 10¾" OD | 40# | 8 | LW | 730'10" | " | " | " | | |
| 8-5/8" OD | 32# | 10 | SS | 1169'9" | | | | | |
| 7" OD | 20# | 10 | EW | 3445'5" | | | | | |
| Tubing 2" EUE | 4.7# | 10 | SS | 3645'8" | | | | | |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| 20" | 16" | 88' | 100 | Halliburton | | |
| 11" | 8-5/8" | 1163' | 100 | Halliburton | | |
| 6½" | 7" | 3422' | 150 | Halliburton | | |
| Tbg. | 2" | 3618' | Swung | | | |

### 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 |
|---|---|---|---|---|---|---|
| 4" Shells | | S. N. G. | 225 Qts | 12/5/38 | 3618' to 3580' | - To bottom. |
| | | | | | | |

Results of shooting or chemical treatment Increase in production from an average of 250 bbls. per day to 420 bbls. oil per day through 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 feet to 3622' feet, and from _____ feet to _____ feet

### PRODUCTION

Put to producing December 15, 1938

The production of the first 24 hours was 328 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

H. A. Masterson, Driller A. B. Phillips, Driller

H. J. Whitaker, 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 6 day of January, 1939

Notary Public

My Commission expires Dec. 10, 1940

Hobbs, New Mexico Jan. 5, 1939 (Date)

Name J. M. Amaray

Position District Superintendent

Representing SKELLY OIL COMPANY (Company or Operator)

Address Hobbs, New Mexico

## FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| Top | 10 | 10 | Soil |
| 10 | 40 | 30 | Caliche |
| 40 | 50 | 10 | Sand |
| 50 | 93 | 43 | Red Shale - Set & cemtd 16" csg. at 93'. |
| 93 | 220 | 127 | Red Shale |
| 220 | 240 | 20 | Hard Sand |
| 240 | 470 | 230 | Red Shale |
| 470 | 500 | 30 | Blue Shale |
| 500 | 510 | 10 | Red Shale |
| 510 | 545 | 35 | Blue Shale |
| 545 | 673 | 128 | Red Rock & Shale |
| 673 | 685 | 12 | Blue Shale |
| 685 | 695 | 10 | Red Shale |
| 695 | 720 | 25 | Blue Shale |
| 720 | 726 | 6 | Blue Sandy Shale |
| 726 | 780 | 54 | Hard Sand |
| 780 | 840 | 60 | Blue Sandy Shale |
| 840 | 850 | 10 | Sand |
| 850 | 870 | 20 | Blue Shale |
| 870 | 908 | 38 | Sandy Shale |
| 908 | 918 | 10 | Red Shale |
| 918 | 945 | 27 | Sandy Shale |
| 945 | 955 | 10 | Red Shale |
| 955 | 963 | 8 | Sandy Shale |
| 963 | 1035 | 72 | Red Shale |
| 1035 | 1046 | 11 | Red Sandy Shale |
| 1046 | 1123 | 77 | Red Shale |
| 1123 | 1130 | 7 | Hard Sand |
| 1130 | 1153 | 23 | Red Shale |
| 1153 | 1290 | 137 | Anhydrite |
| 1290 | 1296 | 6 | Red Shale |
| 1296 | 1310 | 14 | Anhydrite |
| 1310 | 1324 | 14 | Salt |
| 1324 | 1470 | 146 | Salt & Red Shale |
| 1470 | 1500 | 30 | Anhydrite |
| 1500 | 1510 | 10 | Salt |
| 1510 | 1545 | 35 | Anhydrite & Red Shale |
| 1545 | 1560 | 15 | Salt |
| 1560 | 1604 | 44 | Salt & Potash |
| 1604 | 1615 | 11 | Anhydrite |
| 1615 | 1660 | 45 | Salt |
| 1660 | 1695 | 35 | Salt & Potash |
| 1695 | 1718 | 23 | Anhydrite & Potash |
| 1718 | 1755 | 37 | Salt & Potash |
| 1755 | 1775 | 20 | Salt |
| 1775 | 1835 | 60 | Salt, Red Shale & Potash |
| 1835 | 1889 | 54 | Salt & Potash |
| 1889 | 1900 | 51 | Anhydrite |
| 1900 | 1936 | 36 | Salt & Anhydrite |
| 1936 | 2044 | 108 | Salt & Red Shale |
| 2044 | 2085 | 41 | Salt & Potash |
| 2085 | 2096 | 11 | Anhydrite |
| 2096 | 2143 | 47 | Anhydrite, Potash & Salt |
| 2143 | 2180 | 37 | Salt |
| 2180 | 2228 | 48 | Salt & Anhydrite |
| 2228 | 2233 | 5 | Anhydrite |
| 2233 | 2239 | 6 | Salt |
| 2239 | 2286 | 47 | Salt, Potash & Anhydrite |
| 2286 | 2306 | 20 | Anhydrite |
| 2306 | 2383 | 77 | Salt & Anhydrite |
| 2383 | 2470 | 87 | Salt |
| 2470 | 2590 | 120 | Anhydrite |
| 2590 | 2615 | 25 | Anhydrite & Lime |
| 2615 | 2679 | 64 | Anhydrite |
| 2679 | 2905 | 226 | Anhydrite & Red Shale |
| 2905 | 2960 | 55 | Anhydrite |
| 2960 | 3019 | 59 | Anhydrite & Lime |
| 3019 | 3041 | 22 | Lime |
| 3041 | 3054 | 13 | Shale & Anhydrite |
| 3054 | 3061 | 7 | Lime |
| 3061 | 3143 | 82 | Lime & Anhydrite |
| 3143 | 3168 | 25 | Hard Lime |
| 3168 | 3175 | 7 | Lime & Anhydrite |
| 3175 | 3181 | 6 | Lime |
| 3181 | 3205 | 24 | Lime & Anhydrite |
| 3205 | 3213 | 8 | Hard Lime |
| 3213 | 3230 | 17 | Lime & Shale |
| 3230 | 3236 | 6 | Hard Lime |
| 3236 | 3240 | 4 | Red Shale |
| 3240 | 3282 | 42 | Lime & Anhydrite |
| 3282 | 3315 | 33 | Hard Lime |
| 3315 | 3326 | 11 | Shale |
| 3326 | 3372 | 46 | Lime & Anhydrite |
| 3372 | 3409 | 37 | Hard Lime |
| 3409 | 3417 | 8 | Sand & Anhydrite |
| 3417 | 3422 | 5 | Brown Lime |
| 3422 | 3430 | 8 | Lime |
| 3430 | 3434 | 4 | Lime & Anhydrite |
| 3434 | 3520 | 86 | Lime |
| 3520 | 3530 | 10 | Lime & Shale |
| 3530 | 3538 | 8 | Lime |
| 3538 | 3545 | 7 | Lime & Shale |
| 3545 | 3577 | 32 | Oil Sand |
| 3577 | 3622 | 45 | Hard Lime |