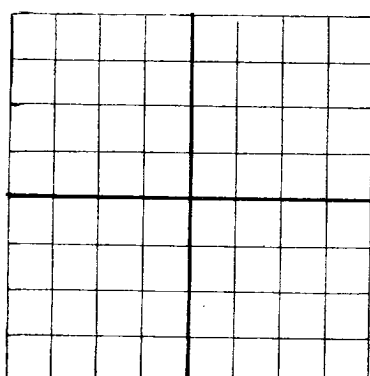


NEW MEXICO OIL CONSERVATION COMMISSION

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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.



AREA 640 ACRES
LOCATE WELL CORRECTLY

Southern Petroleum Exploration, Inc.

Roswell, New Mexico

State "C"

Company or Operator

Well No. 4

in SW 1/4 NE 1/4

of Sec. 32

T. 16 S.

Lease

31 E

Square Lake

Field, Eddy

County.

Well is 1980 feet south of the North line and 1980 feet west of the East line of Section 32

If State land the oil and gas lease is No. B-2721 Assignment No. Original

If patented land the owner is --- Address ---

If Government land the permittee is --- Address ---

The Lessee is Southern Petroleum Exploration, Inc. Address Roswell, New Mexico

Drilling commenced December 3 1944 Drilling was completed February 5 1945

Name of drilling contractor Archer & Jones Address Artesia, New Mexico

Elevation above sea level at top of casing 3917 feet.

The information given is to be kept confidential until 19 ---

OIL SANDS OR ZONES

| | |
|--------------------------|------------------------|
| No. 1, from 3270 to 3340 | No. 4, from --- to --- |
| No. 2, from 3390 to 3410 | No. 5, from --- to --- |
| No. 3, from 3425 to 3440 | 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 2610 to 2655 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 | |
| 8 1/2" | | | S.H. | 560 | Texas | | | | Surface |
| 7" | | | S.H. | 2654 | " | | | | Wtr shut-off |
| 5 1/2" | | | Seamless | 3210 | " | | | | Oil String |
| 2" | | | Upset | 3318 | | | 3292 | 3297 | Tubing |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 10" | 8 1/2" | 560 | 50 | Halliburton | | |
| 6" | 5 1/2" | 3210 | 100 | " | | |
| | | | | | | |
| | | | | | | |

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 |
|--------|------------|----------------------------|----------|---------|-----------------------|-------------------|
| 3 1/2" | Regular | Nitroglycerin | 400 qts | 1-28-45 | 3470-3270 | 3470 |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment Before shot well would not flow; after shot hole cleaned itself after two hours. Well started flowing when hole was completely cleaned out.

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 0 feet to 3470 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing February 5 1945

The production of the first 24 hours was 50 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % 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

Archer & Jones, Contractors Driller _____ 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 14th

Roswell, New Mexico February 14, 1945

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|------------------|
| 0 | 420 | | Red Bed |
| 420 | 450 | | Anhydrite |
| 450 | 520 | | Red Bed |
| 520 | 560 | | Anhydrite |
| 560 | 605 | | Broken Anhydrite |
| 605 | 1555 | | Salt |
| 1555 | 1780 | | Anhydrite |
| 1780 | 1825 | | Red Bed |
| 1825 | 1960 | | Anhydrite |
| 1960 | 1990 | | Red Rock |
| 1990 | 2610 | | Anhydrite |
| 2610 | 2620 | | Red Sand, HFW |
| 2620 | 2690 | | Anhydrite |
| 2690 | 2700 | | Lime |
| 2700 | 2740 | | Anhydrite |
| 2740 | 2770 | | Gr. Lime |
| 2770 | 3025 | | Anhydrite |
| 3025 | 3120 | | Lime |
| 3120 | 3130 | | Anhy. & Red Rock |
| 3130 | 3252 | | Lime |
| 3252 | 3267 | | Red Rock |
| 3267 | 3275 | | Lime |
| 3275 | 3283 | | Lime, Red Bed |
| 3283 | 3289 | | Lime - Oil Show |
| 3289 | 3321 | | Lime |
| 3321 | 3336 | | Sandy Lime |
| 3336 | 3364 | | Gr. Lime |
| 3364 | 3369 | | Wh. Lime |
| 3369 | 3392 | | Lime |
| 3392 | 3396 | | Wh. Lime |
| 3396 | 3401 | | Lime |
| 3401 | 3407 | | Wh. Lime |
| 3407 | 3464 | | Lime |
| 3464 | 3468 | | Sdy. Lime |
| 3468 | 3470 | | Lime - TD. |