

DUPLICATE

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HOBBS OFFICE

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

AREA 640 ACRES
LOCATE WELL CORRECTLY

Gulf Oil Corporation Hobbs, New Mexico
Company or Operator Address
C. L. Hardy Well No. 4 in SW SW of Sec. 20, T. 21 S
Lease
R. 37 E, N. M. P. M., Drinkard Field, Lea County.
Well is 4620 feet south of the North line and 4620 feet west of the East line of Section 20
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is C. L. Hardy, Address Eunice, New Mexico
If Government land the permittee is, Address
The Lessee is Gulf Oil Corporation - Gypsy Division, Address Tulsa, Oklahoma
Drilling commenced June 20, 1948 Drilling was completed August 4, 1948
Name of drilling contractor Two States Drilling Company, Address Dallas, Texas
Elevation above sea level at top of casing 2491 feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 6580' to 6670' 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 (ROTARY TOOLS) 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 | |
| 13-3/8" | 43# | 8 R _d | SS | 275.13' | | | | | |
| 9-5/8" | 36# | 8 R _d | SS | 2900' | | | | | |
| 7" | 23# | 8 R _d | SS | 6552' | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|-----------------|-------------------|-----------|------------------------|--------------|-------------|--------------------|
| 17 1/2" | 13-3/8" | 290' | 300 | HOWCO | | |
| 12 1/2" | 9-5/8" | 2913' | 1300 | " | | |
| 8-3/4" | 7" | 6563' | 700 | " | | |
| | | | | | | |
| | | | | | | |

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 |
|------|------------|-------------------------------|-----------|------|--------------------------|-------------------|
| | | 15% | 4000 Gal. | | | |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment Flowed 259 bbls. of oil and 94 bbls. of BS&W in 24 hrs.

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 0' feet to 6670' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing August 16, 1948, 19
The production of the first 24 hours was barrels of fluid of which % 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

Two States Drilling Company, 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 10th

day of August, 1948

Notary Public

My Commission expires 10-24-48

Hobbs, New Mexico August 10, 1948

Name E. J. Gallagher

Position District Sup't.

Representing Gulf Oil Corporation

Company or Operator

Address Box 1667, Hobbs, New Mexico

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|-----------------------|
| 0 | 150 | | Rock and redbeds |
| | 295 | | Surface |
| | 615 | | Redbeds |
| | 1170 | | Redbeds and rock |
| | 1200 | | Redbeds |
| | 1295 | | Anhydrite |
| | 2496 | | Anhydrite and salt |
| | 2598 | | Anhydrite |
| | 2665 | | Anhydrite and gypsum |
| | 2914 | | Anhydrite |
| | 3441 | | Anhydrite |
| | 3564 | | Anhydrite and lime |
| | 3905 | | Lime |
| | 3980 | | Lime and sand |
| | 4110 | | Lime |
| | 4325 | | Sand and lime |
| | 6670 | | Lime |
| | | | <u>FORMATION TOPS</u> |
| | | | Anhydrite 1190' |
| | | | Base Salt 2450' |
| | | | Brown Lime 2780' |
| | | | White Lime 3880' |
| | | | Oil Pay 6580' |