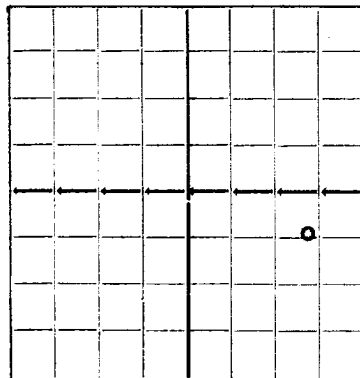


N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE

AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Cities Service Oil Company **Drawer "G"** **Hobbs, New Mexico**

Company or Operator **Brunson "B"** Well No. **1** in **NE SE** of Sec. **4**, T. **22-S**

Lease **37-E** N. M. P. M., **Brunson** Field, **Lea** County.

Well is **660** feet south of the North line and **810** feet west of the East line of **Southeast Quarter**

If State land the oil and gas lease is No. **-** Assignment No. **-** **Eunice, New Mexico**

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

If Government land the permittee is **-** Address **Bartlesville, Okla. & Tulsa, Okla.**

The Lessee is **Cities Service Oil Co. & Sinclair Prairie** Address **-**

Drilling commenced **September 24,** 19 **46** Drilling was completed **November 17** 19 **46**

Name of drilling contractor **Two States Drig. Co.** Address **Dallas, Texas**

Elevation above sea level at top of casing **3447'** feet.

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

OIL SANDS OR ZONES

No. 1, from **5079** to **5160** No. 4, from **-** to **-**

No. 2, from **6442** to **6590** 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 | WRIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | CUT & FILLED FROM | PERFORATED FROM TO | PURPOSE |
|---------|-----------------|------------------|-------------|--------|---------------------|-------------------|--------------------|---------|
| 13-3/8" | 7 1/2 | 8 Rd | H-40 | 296' | None | | | |
| 8-5/8" | 28 | 8 Rd | A. O. Smith | 8374' | Float collar & shoe | | | |
| 5-1/2" | 13 5/8 | 8 Rd | J-55 | 7468' | " | " | | |
| 2" | 4.77 | 8 Rd | J-55 | 7602' | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 17-1/4 | 13-3/8" | 314 | 275 | Plug | - | |
| 11-1/4 | 8-5/8 | 8888' | 1800 | " | - | |
| 7-5/8 | 5-1/2 | 7480 | 350 | " | - | |
| | | | | | | |
| | | | | | | |

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 **Well completed without shooting or acidizing.**

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 **7625** feet, and from **-** feet to **-** feet

Cable tools were used from **-** feet to **-** feet, and from **-** feet to **-** feet

PRODUCTION

Put to producing **November 21,** 19 **46**

The production of the first **24** hours was **327.36** barrels of fluid of which **100** % was oil; **-** % emulsion; **-** % water; and **-** % sediment. Gravity, Be **42**

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

Rock pressure, lbs. per sq. in. **-**

EMPLOYEES

-, 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 **27th** **Hobbs, New Mexico** **November 27, 1946**

day of **November**, 19 **46** Name **[Signature]**

[Signature] Notary Public Position **District Superintendent**

My Commission expires **March 12, 1947** Representing **Cities Service Oil Company**

Address **Drawer "G", Hobbs, New Mexico**

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|------------------|
| 0 | 130 | 130 | Caliche & Sand |
| 130 | 1280 | 1150 | Red Bed |
| 1280 | 2985 | 1705 | Anhydrite & Salt |
| 2985 | 7622 | 4637 | Lime |
| 7622 | 7625 | 3 | Granite |

Total Depth 7625'

TOPS

| | |
|------------------|-------|
| Anhydrite | 1170' |
| Base Salt | 2420' |
| San Angelo Dense | 5053' |
| Glorietta | 5090' |
| Base Permian | 7354' |
| Simpson | 7377' |
| Ellenburger | 7410' |
| Granite Wash | 7560' |
| Granite | 7620' |

DRILL STEM TESTSDrill Stem Test #1: October 18, 1946:

Tested 5079' to 5160'. Tool open 2 hrs. and took 20 minutes build up. Gas to surface 42 minutes and faint blow continued throughout test. Recovered 90' of gas cut mud and 570' of oil and gas cut mud. I.F.P. 0#, F.F.P. 250#, F.U.P. 270#, M.C.P. 2400#.

Drill Stem Test #2: October 31, 1946:

Tested from 6442' to 6590', gas to surface in 10 minutes. Clean oil in 23 minutes, flowed into tanks and gauged 5 bbls. oil in 1 hr. Gas Volume 1,312 cu.

Drill Stem Test #3: November 12, 1946:

Tested 7407' to 7466'. Gas to surface 6-1/2 minutes. Did not flow. I.G. Volume 93,600; 1 hr. gas Volume 73,400; 2 hr. Volume 60,500. Shut in after 2 hrs. for 15 minutes build up. Recovered 90' of gas cut mud; 630' of oil & mud unloaded; 300' of oil slightly mud cut left after unloading. Ran two bombs but both charts failed to record flowing or build up pressures.

Drill Stem Test #4: November 18, 1946:

Tested 7466' to 7622'; gas to surface 3 minutes mud 13 minutes, oil in 19 minutes; turned to tank in 25 minutes; gauges 15 minutes 17.86, 30 minutes 34.88 (1702); 45 minutes 46.51 (11.63); 1 hour 63.11 (16.60) GOR 1043. I.F.P. 975# F.F.P. 1625# B.U.P. 2760# M.C.P. 3675#. Ran Schlumberger and logged to total depth.