

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

| | |
|---------------------------|-----|
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| FILE | |
| U.S.G.S. | |
| LAND OFFICE | |
| TRANSPORTER | OIL |
| | GAS |
| PRODUCTION OFFICE | |
| OPERATOR | |

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE If State Land submit 6 Copies

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AREA 640 ACRES
LOCATE WELL CORRECTLY

SOHIO PETROLEUM COMPANY

Phillips Lea

(Company or Operator)

(Lease)

Well No. 4 (SWD) in SW 1/4 of SW 1/4, of Sec 31, T. 17-S, R. 34-E, NMPM.
Vacuum (Grayburg-San Andres) Pool, Lea County.

Well is 330 feet from South line and 330 feet from West line
of Section 31. If State Land the Oil and Gas Lease No. is B-4118

Deepening Commenced January 3, 1970 Drilling was Completed January 10, 1970

Name of Drilling Contractor Cactus Drilling Company

Address P. O. Box 2068, Hobbs, New Mexico 88240

Elevation above sea level at Top of Tubing Head 4099, 4097 G.L. The information given is to be kept confidential until
19

OIL SANDS OR ZONES

No. 1, from Disposal Well to 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 | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS | PURPOSE |
|-------|-----------------|-------------|--------|--------------|---------------------|--------------|-------------------|
| 8-5/8 | 24# | Used | 319 | Guide | - | - | Surface String |
| 4-1/2 | 15.1# | Used | 4920 | Full Bore | Pkr. Shoe | None | Isolate inj. zone |
| | | | | | | | |
| | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|---------------|-------------|--------------------|
| 11 | 8-5/8 | 319 | 132 | Pump and Plug | Native | Circulated cement |
| 7-7/8 | 4-1/2 | 4920 | 300 | Pump and Plug | 9.7 | Hole full |
| | | | | | | |
| | | | | | | |

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized w/2000 gals. 15% NE acid @ 2600 psi.--Max. press.; 3 BPM ISIP 1500 psi. 30-min.

SIP 600 psi. Pumped water into formation @ 15 BPH @ 600 psi.

Result of Production Stimulation Disposal Well

Depth Cleaned Out TD 4995

ORD OF DRILL-STEM AND SPECIAL TES

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 4995 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to Producing....., 19.....

OIL WELL: The production during the first 24 hours was.....barrels of liquid of which.....% was
was oil;% was emulsion;% water; and.....% was sediment. A.P.I.
Gravity.....

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of
liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

| Southeastern New Mexico | | Northwestern New Mexico | |
|-------------------------|------|-------------------------|----------------------------|
| T. Anhy..... | 1586 | T. Devonian..... | T. Ojo Alamo..... |
| T. Salt..... | 1680 | T. Silurian..... | T. Kirtland-Fruitland..... |
| B. Salt..... | 2902 | T. Montoya..... | T. Farmington..... |
| T. Yates..... | 2958 | T. Simpson..... | T. Pictured Cliffs..... |
| T. 7 Rivers..... | | T. McKee..... | T. Menefee..... |
| T. Queen..... | 3921 | T. Ellenburger..... | T. Point Lookout..... |
| T. Grayburg..... | 4305 | T. Gr. Wash..... | T. Mancos..... |
| T. San Andres..... | 4690 | T. Granite..... | T. Dakota..... |
| T. Glorieta..... | | T. | T. Morrison..... |
| T. Drinkard..... | | T. | T. Penn..... |
| T. Tubbs..... | | T. | T. |
| T. Abo..... | | T. | T. |
| T. Penn..... | | T. | T. |
| T. Miss..... | | T. | T. |

FORMATION RECORD

Deepened 4122-4995

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|----------------------|-----------|------|----|----------------------|-----------|
| 4122 | 4995 | 873 | Lime | | | | |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

Company or Operator.....SOHIO PETROLEUM COMPANY

February 16, 1970
(Date)
Address P. O. Box 3167, Midland, Texas 79701

Name..... A. K. HOOD

Position or Title..... District Superintendent