

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

HOBBS OFFICE OOC
1958 AUG 13 PM 3 01

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

AREA 640 ACRES
LOCATE WELL CORRECTLY

Western Natural Gas Company
(Company or Operator)

Harrington
(Lease)

Well No. 2, in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 10, T. 22-S, R. 36-E, NMPM.
South Emice Pool, Sea County.

Well is 660 feet from North line and 660 feet from West line
of Section 10. If State Land the Oil and Gas Lease No. is Patented Land

Drilling Commenced 7-22-58, 19 Drilling was Completed 8-4-58, 19

Name of Drilling Contractor Bickerstaff & Tibbets Drilling Company

Address Midland, Texas

Elevation above sea level at Top of Tubing Head 3575 KB, 3564.5 GL. The information given is to be kept confidential until
Not confidential, 19

OIL SANDS OR ZONES

No. 1, from 3160 to 3190 No. 4, from 3400 to 3460
No. 2, from 3200 to 3250 No. 5, from 3520 to 3650
No. 3, from 3270 to 3370 No. 6, from 3705 to 3828

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 | New | 1573 | Float | - | - | Surface |
| 5 1/2 | 15 1/2 & 14 | New | 3817 | Float | - | See below | Production |
| | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. BAGS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|--------------------|-------------|-------------|--------------------|
| 11 | 8 5/8 | 1587 | 500 | Pump & plug | - | - |
| 7 7/8 | 5 1/2 | 3827 | 500 | Pump & Plug | | |
| | | | | | | |

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 5 1/2" casing 3792-3812 & 3780-3787 with four jet shots per foot. Treated zones with 1500 gals acid, 15,000 gals gelled oil, 15,000 lbs sand and 80 ball sealers. Treating pressure was 2800-3000 psig. Injection rate was 31 BPM.

Result of Production Stimulation Well kicked off and flowed at rate of 9 bbls/hr after lead oil recovered.

Depth 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 0 feet to 3832 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing 8-10, 19 58
OIL WELL: The production during the first 24 hours was 217 barrels of liquid of which 100 % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity 36
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 | 1560 | T. Devonian | T. Ojo-Alamo |
| T. Salt | 1643 | T. Silurian | T. Kirtland-Fruitland |
| B. Salt | 2973 | T. Montoya | T. Farmington |
| T. Yates | 3160 | T. Simpson | T. Pictured Cliffs |
| T. 7 Rivers | 3380 | T. McKee | T. Menefee |
| T. Queen | 3732 | T. Ellenburger | T. Point Lookout |
| T. Grayburg | | T. Gr. Wash | T. Mancos |
| T. San Andres | | 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

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|----------------------|---------------------------|------|----|----------------------|-----------|
| 0 | 1560 | 1560 | Sd & shale | | | | |
| 1560 | 1643 | 77 | Anhydrite | | | | |
| 1643 | 2973 | 1330 | Salt, Sd, & Shale | | | | |
| 2973 | 3160 | 187 | Anhydrite & Dolomite | | | | |
| 3160 | 3380 | 220 | Dolomite, Sd, & Anhydrite | | | | |
| 3380 | 3832 | 452 | Dolomite & Sd | | | | |

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.

August 12, 1958 (Date)
Company or Operator WESTERN NATURAL GAS COMPANY Address 823 Midland Tower, Midland, Texas
Name Mendell B. Gork Position Title Division Petroleum Engineer