



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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

Western-Yates

(Company or Operator)

State 648

(Lease)

Well No. 163, in SE 1/4 of SW 1/4, of Sec. 15, T. 19-S, R. 28-E, NMPM.

E. Millman (Queen-Grayburg) Pool, Eddy County.

Well is 330 feet from South line and 1980 feet from West line

of Section 15. If State Land the Oil and Gas Lease No. is State 648

Drilling Commenced 10-1-60, 19 Drilling was Completed 10-25-60, 19

Name of Drilling Contractor Roach Drilling Company

Address Artesia, New Mexico

Elevation above sea level at Top of Tubing Head 3433 The information given is to be kept confidential until

Not confidential, 19

OIL SANDS OR ZONES

No. 1, from 1782' to 1800' 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 None 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 |
|---------|-----------------|-------------|--------|--------------|---------------------|--------------|------------|
| 10-3/4" | 32.75 | New | 442 | Guide | | | Surface |
| 4-1/2" | 11.60 | New | 1824 | Float | | 1782'-1800' | Production |
| | | | | | | | |
| | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 12" | 10-3/4" | 442 | 75 | Pump & Plug | | |
| 10" | 4-1/2" | 1824 | 185 | Pump & Plug | | |
| | | | | | | |
| | | | | | | |

RECORD OF PRODUCTION AND STIMULATION

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

Treated perforations 1782'-1800' with 40,000 lbs. sand, 300 lbs. Adomite and 489 bbls. lease crude.

Result of Production Stimulation Flowed 60 bbls. oil in 24 hours on 1/2" choke with 114 MCF gas Cor. 1900. CP 450 lbs. TP 220 lbs.

Depth Cleaned Out 1820'

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 Surface feet to 1825' feet, and from _____ feet to _____ feet.

PRODUCTION

Put to Producing November 16, 19 60.

OIL WELL: The production during the first 24 hours was 60 barrels of liquid of which 100 % was
was oil; 0 % was emulsion; 0 % water; and 0 % was sediment. A.P.I.
Gravity 37°

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. | | T. Devonian | | T. Ojo Alamo | |
| T. Salt | <u>396'</u> | T. Silurian | | T. Kirtland-Fruitland | |
| B. Salt | <u>547'</u> | T. Montoya | | T. Farmington | |
| T. Yates | <u>755'</u> | T. Simpson | | T. Pictured Cliffs | |
| T. 7 Rivers | <u>1112'</u> | T. McKee | | T. Menefee | |
| T. Queen | <u>1644'</u> | 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 | 85 | 85 | Sand and gravel | | | | |
| 85 | 260 | 175 | Sand and red shale | | | | |
| 260 | 385 | 125 | Red Shale | | | | |
| 385 | 410 | 25 | Anhydrite | | | | |
| 410 | 540 | 130 | Salt | | | | |
| 540 | 750 | 210 | Anhydrite | | | | |
| 750 | 850 | 100 | Anhy. red shale, red & gray sand | | | | |
| 850 | 880 | 30 | Anhy., red & gray sand | | | | |
| 880 | 910 | 30 | Anhy., & red shale | | | | |
| 910 | 1010 | 100 | Dolo., anhy., red shale & red & gray sand | | | | |
| 1010 | 1120 | 110 | Anhy. red & gray sand | | | | |
| 1120 | 1160 | 40 | Dolo., red & gray shale | | | | |
| 1160 | 1300 | 140 | Dolo. & anhy. | | | | |
| 1300 | 1400 | 100 | Dolo. 1/2 pink | | | | |
| 1400 | 1630 | 230 | Dolo. 1/2 pink & anhy. | | | | |
| 1630 | 1670 | 40 | Dolo., red & gray sand | | | | |
| 1670 | 1690 | 20 | Dolo. | | | | |
| 1690 | 1730 | 40 | Dolo. & gray sand | | | | |
| 1730 | 1780 | 50 | Dolo. | | | | |
| 1780 | 1800 | 20 | Dolo. & gray sand | | | | |
| 1800 | 1825 | 25 | Dolo. | | | | |
| | TD | 1825' | | | | | |

OIL CONSERVATION COMMISSION

ARTESIA DISTRICT OFFICE

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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.

November 17, 1960 (Date)

Company or Operator Western-Yates

Address P. O. Box 427, Artesia, New Mexico

Name B. J. Mancoske

Position Title Engineer