



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DEEPENING WELL RECORD

APR 14 1958

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 - Yates

State 647

(Company or Operator)

(Lease)

Well No. 94, in NW 1/4 of NW 1/4, of Sec. 30, T. 18 S., R. 28 E., NMPM.

Artesia

Pool,

Eddy

County.

Well is 330 feet from North line and 990 feet from West line

of Section 30. If State Land the Oil and Gas Lease No. is 647

Drilling Commenced February 14, 1958 Drilling was Completed March 14, 1958

Name of Drilling Contractor Company Rig

Address

Elevation above sea level at Top of Tubing Head 3571 The information given is to be kept confidential until
---, 19---

OIL SANDS OR ZONES

| | |
|--------------------------|--------------------------|
| No. 1, from 2287 to 2294 | No. 4, from 2050 to 2054 |
| No. 2, from 2184 to 2188 | No. 5, from 2000 to 2006 |
| No. 3, from 2144 to 2149 | No. 6, from 1984 to 1990 |

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 |
|-------|-----------------|-------------|--------|--------------|---------------------|--------------|----------------|
| 8 5/8 | 28 | New | 492 | Guide | | | Water Shut off |
| 4 1/2 | 11.6# | New | 2340 | Float | | | 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 |
|---------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 10 3/4 | 8 5/8 | 492 | 100 | Haliburton | | |
| 8" and 6 1/4" | 4 1/2 | 2340 | 225 | Haliburton | | |

RECORD OF PRODUCTION AND STIMULATION

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

Sand-oil fraced (SOF) as follows: 2287-94' 10,000 gals. 20,000# sd.; 2184-88' 10,000 gals. & 8,500# sd.; 2144-49' 20,000 gals. & 40,000# sd.; 2050-54' 11,000 gals. & 20,000# sd.; 2000-2006' 15,000 gals. & 20,000# sd.; 1984-90' 13,000 gals. lease crude and 20,000 # sd.; 1932-37 10,000 gals. & 20,000# sd. 1881-87' 12,500 gals. & 20,000# sd.; 1682-90' 15,000 gals. & 30,500# sd.

Result of Production Stimulation

Depth Cleaned Out 2337'

Well flowed 58 BOPD after load oil recovered.

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

Rotary tools were used from 2010 feet to 2340 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Put to Producing.....April 12....., 1958

OIL WELL: The production during the first 24 hours was 58 barrels of liquid of which 100 % was
was oil; _____ % was emulsion; _____ % water; and _____ % was sediment. A.P.I.
Gravity 30

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.....

Southeastern New Mexico

Northwestern New Mexico

| | | |
|-------------------------|---------------------|----------------------------|
| T. Anhy..... | T. Devonian..... | T. Ojo Alamo..... |
| T. Salt..... | T. Silurian..... | T. Kirtland-Fruitland..... |
| B. Salt..... | T. Montoya..... | T. Farmington..... |
| T. Yates..... | T. Simpson..... | T. Pictured Cliffs..... |
| T. 7 Rivers..... | T. McKee..... | T. Menefee..... |
| T. Queen..... 1855 | T. Ellenburger..... | T. Point Lookout..... |
| T. Grayburg..... 1890 | T. Gr. Wash..... | T. Mancos..... |
| T. San Andres..... 2150 | 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. |

| From | To | Thickness in Feet | Formation |
|------|------|---|-----------------------------------|
| | | (see original log for data above 2010 feet) | |
| 2010 | 2060 | 30 | Green, clay. dolomite |
| 2060 | 2075 | 35 | Sand and dolomite stringers |
| 2075 | 2120 | 45 | Grey sandy dolomite |
| 2120 | 2145 | 25 | Pink sandy dolomite |
| 2145 | 2240 | 95 | White dolomite |
| 2240 | 2270 | 30 | Tan dolomite with shale stringers |
| 2270 | 2300 | 30 | Grey sand |
| 2300 | 2305 | 5 | Black shale |
| 2305 | 2325 | 20 | Sand and dolomite |
| 2325 | 2340 | 15 | Dolomite |

OIL CONSERVATION COMMISSION

ARTESIA DISTRICT OFFICE

No. _____ Rec'd. _____

Date _____

Operator _____

Inspector _____

Production _____

State Engineer _____

U. S. G. S. _____

Transporter _____

File _____

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..... Western - Yates
Name..... W B Mares

April 14, 1958
 Address: 1604 48th Street, S. E.
 Chairman of Marketing Committee

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

APR 14 1958

COMPANY Western - Yates P. O. Box 427 Artesia, New Mexico
(Address)LEASE State 647 WELL NO. 94 UNIT D S 30 T 18 S R 28 E
DATE WORK PERFORMED 2-13-58 thru POOL 3 4 - 26 - 58This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Deepening & Fraccing

Detailed account of work done, nature and quantity of materials used and results obtained.
2-14-58: Cleaned out to total depth 2010' and ran Caliper Survey. Drilled to total depth 2340' with reverse circulation rig and ran 4 1/2" 11.6#/ft. new casing to total depth and cemented with 225 sax. Let stand 48 hrs. Tested pipe with 1000# pressure; cement job O.K. Ran Gamma-Ray-Nuetron Survey to total depth and perforated 2287-94' w/4 shots/ft. Treated zone with 10,000 gals. lease crude and 20,000# sd. Set Bridge Plug at 2195' and perforated 2184-88' and treated perfs. with 10,000 gals. and 8,500# sd. Set Bridge Plug at 2156' and perforated 2144-49' with 4 shots/ft. and treated perfs with 20,000 gals. lease crude and 40,000# sd. Set Bridge Plug at 2060' and perforated 205054' with 4 shots/ft. Treated perfs. with 11,000 gals. lease crude and 20,000# sd. Set Bridge Plug at 2015' and perforated 2000-2006' and 1984-90' with 4 shots/ft. Treated with 15,000 gals lease crude and 20,000# sd.; then dropped 24 rubber balls, did not get pressure break, so set Bridge Plug at 1994 and treated perfs 1984-90' with 13,000 gals. lease crude and 20,000# sd.

(Continued on attached sheet)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3571 TD 2010 PBD -- Prod. Int. 1970 - 2010 Compl Date 12-27-48
Tbng. Dia 2" Tbng Depth 2000 Oil String Dia None Oil String Depth --
Perf Interval (s) None
Open Hole Interval 492-2101 Producing Formation (s) Grayburg

RESULTS OF WORKOVER:

| | BEFORE | AFTER |
|---------------------------------|----------------|----------------|
| Date of Test | <u>1-15-58</u> | <u>4-14-58</u> |
| Oil Production, bbls. per day | <u>2</u> | <u>58</u> |
| Gas Production, Mcf per day | <u>TSTM</u> | <u>TSTM</u> |
| Water Production, bbls. per day | <u>0</u> | <u>0</u> |
| Gas-Oil Ratio, cu. ft. per bbl. | <u>TSTM</u> | <u>--</u> |
| Gas Well Potential, Mcf per day | <u>---</u> | <u>---</u> |

Witnessed by Loree EvansWestern - Yates

(Company)

OIL CONSERVATION COMMISSION

Name M L ArmstrongTitle OIL AND GAS INSPECTORDate APR 21 1958

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name W B MaceyPosition Chairman of Operating CommitteeCompany Western - Yates

P. O. Box 427

Artesia, New Mexico

| | |
|-----------------------------|-----------|
| OIL CONSERVATION COMMISSION | |
| ADMINISTRATIVE OFFICE | |
| No. Cont. | 1 |
| County | San Diego |
| Section | 1 |
| Block | 1 |
| Lot | 1 |
| State Land Office | |
| U. S. C. S. | |

Continuation of Form C - 103

Western - Yates State 647 well # 94

Set Bridge Plug at 1945' and perforated 1932-37' with 4 shots/ft. Treated with 10,000 gals lease crude and 20,000# sd. Set Bridge Plug at 1894' and perforated 1881-87' with 4 shots/ft. Treated with 12,500 gals. and 20,000# sd. Set Bridge Plug at 1695' and perforated 1682-90' with 4 shots/ft. and treated with 15,000 gals. and 30,500# sd.

Drilled out Bridge Plugs and ran 2" tubing to 2270'. Flowed load oil to tanks. After load oil recovered well flowed 58 BOPD thru 3/4" choke on intermitter.

