

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 QUINTUPPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Union Oil Company of California

(Company or Operator)

Stella Zimmerman et al

(Lease)

Well No. 2-14, in NW 1/4 of SW 1/4, of Sec. 14, T. 14-S, R. 31-E, NMPM.

Caprock Queen

Pool,

Chaves

County.

Well is 2310 feet from South line and 330 feet from West line

of Section 14. If State Land the Oil and Gas Lease No. is -

Drilling Commenced October 21, 1955 Drilling was Completed October 27, 1955

Name of Drilling Contractor Lawless Drilling Company

Address Box 3182 Odessa, Texas

Elevation above sea level at Top of Tubing Head 4288' The information given is to be kept confidential until -

OIL SANDS OR ZONES

No. 1, from 2970' to 2973' 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 H to - feet.

No. 2, from 0 to - feet.

No. 3, from H to - feet.

No. 4, from H 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 1/2 | New | 194.71' | Baker Guide | - | - | Surface casing |
| 5-1/2" | 14 1/2 | New | 2983.40' | Baker Guide | - | 2970-2973' | Production casing |
| 2" NUR | 4.70 | New | 2976.94' | Shoe & Fl. Collar | - | - | |

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" | 207.71' | 125 w/4 Gal. | P & P | -- | -- |
| 7-7/8" | 5-1/2" | 2992.80' | 200 w/4 Gal. | P & P | -- | -- |
| | | | plus 200 cu. ft. Strata-Crete | | | |

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 5-1/2" casing 2970-2973' with 4 holes per foot. Treated through perforations with 8000 gallons of oil and 12,000 pounds of sand. Injected sandfrac @ 10.2 bbls./min. at 2300-2400 pounds and flushed with oil 2300-2500 pounds at 11.6 bbls./min. Sandfrac was preceded with 250 gallons MCA acid.

Result of Production Stimulation Stuffed lead oil with no new oil recovery. After frac treatment, well pumped 44 bbls. oil & 8 bbls. of water during 24 hour test.

Depth Cleaned Out 2992 feet

ORD 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 2000 feet to 2993 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to Producing November 10, 1955

OIL WELL: The production during the first 24 hours was 52 barrels of liquid of which 85 % was oil; 0 % was emulsion; 14.8 % water; and 0.2 % was sediment. A.P.I. Gravity 24.00

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 | 1290 | | T. Devonian | | T. Ojo Alamo |
| T. Salt | 1375 | | T. Silurian | | T. Kirtland-Fruitland |
| B. Salt | 2085 | | T. Montoya | | T. Farmington |
| T. Yates | 2190 | | T. Simpson | | T. Pictured Cliffs |
| T. 7 Rivers | 2420 | | T. McKee | | T. Menefee |
| T. Queen | 2970 | | 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 | 160 | 160 | Sand and caliche | | | | |
| 160 | 1290 | 1130 | Red beds | | | | |
| 1290 | 1375 | 85 | Anhydrite | | | | |
| 1375 | 2085 | 710 | Salt | | | | |
| 2085 | 2190 | 105 | Anhydrite | | | | |
| 2190 | 2320 | 130 | Sand | | | | |
| 2320 | 2970 | 650 | Anhydrite | | | | |
| 2970 | 2993 | 23 | Sand | | | | |

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 14, 1955 (Date)

Company or Operator UNION OIL COMPANY OF CALIFORNIA Address 619 W. Texas Ave., Midland, Texas
Name R.W. Gentry Position or Title Asst. Division Engineer

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned, effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Midland, Texas
(Place)November 14, 1955
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Union Oil Company of California Stella Zimmerman et al
(Company or Operator) (Lease), Well No. 8-14, in NW 1/4 SW 1/4,L, Sec. 14, T. 14-S, R. 31-E, NMPM, Caprock Queen
(Unit) Pool

Chaves County. Date Spudded October 21, 1955 Date Completed October 27, 1955

Please indicate location:

| | | | |
|----|--|--|--|
| | | | |
| | | | |
| | | | |
| XX | | | |
| XX | | | |

Elevation 4895' D.F. Total Depth 2993' P.B. 2992'

Top oil/gas pay 2970' Name of Prod. Form Queen Sand

Casing Perforations: 2970-2973' or

Depth to Casing shoe of Prod. String 2993'

Natural Prod. Test -- BOPD

based on -- bbls. Oil in -- Hrs. -- Mins.

Test after Sandfree Pumped 44 BOPD

Based on 44 bbls. Oil in 24 Hrs. -- Mins.

Gas Well Potential --

Size choke in inches --

Date first oil run to tanks or gas to Transmission system: November 10, 1955

Transporter taking Oil or Gas: Texas-New Mexico Pipe Line Company

Casing and Cementing Record
Size Feet Sax

| | | |
|--------|---------|-----|
| 8-5/8" | 194.71 | 125 |
| 5-1/2" | 2982.40 | 400 |
| | | |
| | | |

Remarks: None

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

Approved: NOV 15 1955, 19

OIL CONSERVATION COMMISSION

By: [Signature]

Title: Engineer District 7

UNION OIL COMPANY OF CALIFORNIA

(Company or Operator)

By: [Signature]

(Signature)

Title: Assistant Division Engineer

Send Communications regarding well to:

Name: Union Oil Company of California

Address: 619 West Texas Ave., Midland, Texas