

Santa Fe, New Mexico

WELL RECORD

AREA 840 ACRES
LOCATE WELL CORRECTLY

Union Oil Company of California
(Company or Operator)

Stella Zimmerman et al
(Lease)

Well No. 1-14, in NE $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 14, T. 14-S, R. 31-E, NMPM.

Caprock Queen

.Pool,

Chavez

..County.

Well is 330 feet from North line and 1650 feet from West line

of Section 14 If State Land the Oil and Gas Lease No. is 22

Drilling Commenced.....**October 10**....., 19**55**..... Drilling was Completed.....**October 17**....., 19**55**.....

Name of Drilling Contractor..... **Lawless Drilling Company**

Address..... **Box 3182, Odessa, Texas**

Elevation above sea level at Top of Tubing Head.....4410'..... The information given is to be kept confidential until

..... 19.....

No. 1, from 3083 to 3091 No. 4, from _____ to _____

No. 2, from to No. 5, from to

No. 3, from.....to..... No. 6, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 1 to 1 feet.

No. 2, from 0 to feet.

No. 3, from _____ to _____ feet.

No. 4, from E to _____ feet.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24#	New	296.42'	Baker Guide Shoe	-	-	Surface casing
5-1/2"	14#	New	3095.18'	Baker Guide Shoe & P.C. Collar	-	3083-3091'	Production string
2" EUE tbg	4.7#	New & Used			-	-	

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"	309.82'	175 w/4% Gel	P & P	--	--
7-7/8"	5-1/2"	3105.18'	200 w/4% Gel plus 200 Cu. ft. Strata-crete	P & P	--	--

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

Perforated 5-1/2" casing 3083-3091' with 4 holes per foot. Treated through perforations with 8000 gallons of oil and 12,000 pounds of sand. Injected sandfrac at 16.4 bbls./min. at 1900-2300 pounds. Sandfrac was preceded by 250 gallons MCA acid.

Result of Production Stimulation.....Swabbed back load oil and swabbed new oil at rate of 4-1/2 bbls.
oil per hour for 4 hours, after which the well was put on pump.

...Depth Cleaned Out.....**3105 feet**.....

1 **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 3106 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to Producing October 30, 19 55

OIL WELL: The production during the first 24 hours was 65.00 barrels of liquid of which 99.8 % was
was oil; - % was emulsion; - % water; and 0.2 % was sediment. A.P.I.
Gravity 24.0°

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. <u>1410'</u>	T. Devonian	T. Ojo Alamo
T. Salt <u>1505'</u>	T. Silurian	T. Kirtland-Fruitland
B. Salt <u>2210'</u>	T. Montoya	T. Farmington
T. Yates <u>2315'</u>	T. Simpson	T. Pictured Cliffs
T. 7 Rivers <u>2457'</u>	T. McKee	T. Menefee
T. Queen <u>3064'</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	270	270	Sand and caliche				
270	1410	1140	Red beds				
1410	1505	95	Anhydrite				
1505	2210	705	Salt				
2210	2315	115	Anhydrite				
2315	2455	140	Sand				
2455	3064	629	Anhydrite				
3063	3106	22	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 1, 1955 (Date)

Company or Operator Union Oil Company of California Address 619 West Texas Ave., Midland, Texas
Name R. W. Yarnall Position or Title Asst. Division Engineer