

Santa Fe, New Mexico

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

Humble Oil & Refining Company
(Company or Operator)

Hulda A. Townsend a/c 2
(Lease)

Well No. **4**, in **SW** $\frac{1}{4}$ of **SE** $\frac{1}{4}$, of Sec. **7**, T. **16S**, R. **35E**, NMPM.

Eidson-Pennsylvanian Pool, **Lea** County.

Well is **1980** feet from **East** line and **660** feet from **South** line.

of Section 7 If State Land the Oil and Gas Lease No. is _____

Drilling Commenced 1-8-54, 1954 Drilling was Completed 2-28-54, 1954

Name of Drilling Contractor..... **Humble Oil & Refining Company Rig No. 42**

Address..... **Box 2347, Hobbs, N. M.**

Elevation above sea level at Top of Tubing Head..... **4056** The information given is to be kept confidential until
....., 19.....

OIL SANDS OR ZONES

No. 1, from 10,713 to 10,724 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	45.5	New	401.60	Larkin Guide Shoe			
7-5/8	26.4	New	4629.50	Halliburton Float & Guide Shoe			
5-1/2	20.17 & 15.5	New	10,715.50	Ditto		10,713-10,728	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13-3/8	10-3/4	417.50	325	Halliburton	-	
9-7/8	7-5/8	4645.00	2100	Halliburton	11.9	
6-3/4	5-1/2	10,729.00	100	Halliburton	8.7	

RECORD OF PRODUCTION AND STIMULATION

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

3-3-54 Perforating Guns Atlas Co. perforated 10713-10728 with 60 jet shots, 4 shots per foot.

3-4-54 Cardinal Chemical Company acidized 10713-10728 with 500 gallons 15% L. T. acid.

Result of Production Stimulation.....

..Depth Cleaned Out.....

Max. hole deviation. **RD OF DRILL STEM AND SPECIAL T**
174° at 10,390' by 1060.

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 **10,730** feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to Producing **3-4-54**, 19_____

OIL WELL: The production during the first 24 hours was **762.62** barrels of liquid of which **100** % was
was oil; _____ % was emulsion; _____ % water; and _____ % was sediment. A.P.I.
Gravity **40.5**

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. Permian Rustler 1790	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	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres 4610	T. Granite	T. Dakota
T. Permian San Angelo 6175	T.	T. Morrison
T. Permian Clarks Fork 6750	T.	T. Penn.
T. Tubbs 7348	T.	T.
T. Abo	T.	T.
T. Penn. Wolfcamp 9780	T.	T.
T. Miss.	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	138	138	Surface clay & caliche				
138	380	242	Caliche				
380	1069	689	Red bed				
1069	1743	674	Red bed w/streaks gyp				
1743	2906	1163	Red rock & salt				
2906	3134	228	Anhy., gyp & streaks salt				
3134	4502	1368	Anhy., & gyp				
4502	5464	962	Lime				
5464	5681	217	Lime and sand				
5681	10055	4374	Lime				
10055	10245	90	Lime w/thin streaks chert				
10245	10383	38	Lime and shale				
10383	10343	160	Lime and chert				
10343	10366	23	Lime and shale				
10366	10493	127	Lime				
10493	10730	237	Lime and shale				
	T. D.						

DRILL STEM TESTS

DATE	TYPE OF TEST	FORMATION TESTED FROM	TO	SIZE CHOKE TOP BOTTOM	TOOL OPEN MINUTES	FORMATION PRESSURE FLOW	SHUT-IN	RECOVERY-FEET OIL
2-28-54	O. R.	10668	10730	1" 5/8"	300	795	3423	90

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.

March 23, 1954

(Date)

Company or Operator **Humble Oil & Refining Company**

Address **Box 2347, Hobbs, N. M.**

Name **H. M. ROGERS**

Position or Title **District Superintendent**

nch/nch