

**N**

A 6x6 grid of squares. The cardinal directions are labeled: 'W' (West) on the left side, 'E' (East) on the right side, 'S' (South) at the bottom, and 'N' (North) at the top. The grid is used for plotting data points.

Company Humble

Farm Name State Well No. 2-H

Sec. 27 Twp 22 Range 37 County Lea

Feet from Lines: N. 660 S. E. 1980 W.

Elevation \_\_\_\_\_ Method \_\_\_\_\_

Contractor \_\_\_\_\_ Scout \_\_\_\_\_

Spudded \_\_\_\_\_ Completed \_\_\_\_\_ I. P. \_\_\_\_\_

## CASING

[illegible]

## ACID RECORD

Gais.

		Prod.	Date
		Prod.	Date
T. A.	T. S.	E. S.	T. L.
T. P.		T. D.	

DATE		DATE	
3-8	TE 2650 L		
MAR 15 1938	CTD 3114 L		
MAR 22 1938	Q TD 3568 L		
MAR 29 1938	TE 2650 L		
	LE for time		
APR 5 - 1938	TE 2650 L		
	1.0 17.30.50		
	2.0 17.30.50		

**ILLEGIBLE**

## LOG

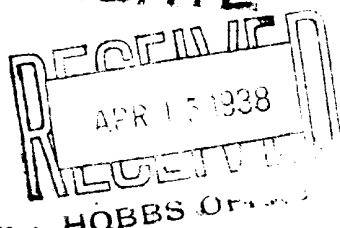
[illegible]

N.

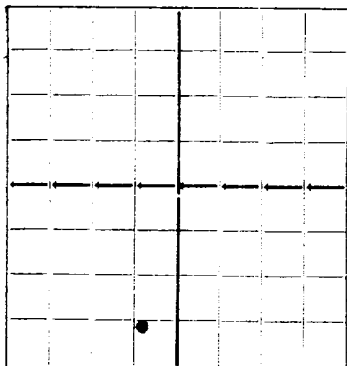
## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD



Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.



AREA 640 ACRES  
LOCATE WELL CORRECTLY

**Humble Oil & Refining Company** **Houston, Texas**  
Company or Operator Address  
**N.M. State H** Well No. **2** in **SW-1/4** of Sec. **27**, T. **22 South**  
R. **37 East**, N. M. P. M., **Penrose Area** Field, **Lea** County.  
Well is **4620** feet south of the North line and **3300** feet west of the East line of \_\_\_\_\_  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is \_\_\_\_\_, Address \_\_\_\_\_  
If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_  
The Lessee is **Humble Oil & Refining Company**, Address **Houston, Texas**  
Drilling commenced **March 6,** 19 **38**. Drilling was completed **March 23,** 19 **38**  
Name of drilling contractor **Rowan Drilling Co.**, Address **Hobbs, New Mexico**  
Elevation above sea level at top of casing **3324** feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from **3460'** to **3660'** **Line** 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 \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

## CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
10-3/4" OD	40#	8	SS	410' 6"	Texas Pattern	Casing Shoe		
7" OD	24#	10	SS	3391' 7"	Halliburton	Guide Shoe & Float Collar		
						Halliburton Two Stage Tool		
5-1/2" OD Liner	17#	10	SS	283' 9"				
2" EUSE	4.70#	10	SS	3622' 3"				

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13-3/4"	10-3/4" OD	423' 6"	125	Halliburton	9.5	25 tons mud used in well
8-3/4"	7" OD	3403' 7"	410	Halliburton	10.0	
6-1/4"	5-1/2" OD	3660'	None			

Liner

## PLUGS AND ADAPTERS

Heaving plug—Material **None** Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
7" OD	20' x 3-1/2"	Solidified Nitro Glycerine	410 lbs	3-24-38	3460' to 3660'	3660'

Would not flow before shot.

Results of shooting or chemical treatment **After shot well flowed at rate of 192 bbls oil per day. Gas oil ratio 1625 cu ft per bbl.**

## RECORD OF DRILL-STEM AND SPECIAL TESTS

See attachment

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 **3660** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing **April 1, 1938**, 19 \_\_\_\_\_  
The production of the first 24 hours was **192** barrels of fluid of which **99.4** % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and **6/10** oil sediment. Gravity, Be. **37.7 at 60 degree**  
If gas well, cu. ft. per 24 hours **322,000** Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

**E.M. Newman** Driller **D.S. Luse** Driller  
**J. Rogers** Driller \_\_\_\_\_ Driller

## FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this **12th** \_\_\_\_\_

**Midland, Texas** **4/12/38**

day of **April**, 19 **38**

Name **W. J. Dooley**

**Wm. C. F. ...**

Position **Division Superintendent**

Notary Public

Representing **Humble Oil & Refining Company**

**6/1/39**

Company or Operator **Box 1600 - Midland, Texas.**

My Commission expires \_\_\_\_\_

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	13	13	Cellar
13	45	32	Caliche
45	155	110	Sand & Gravel
155	175	20	Red Bed
175	212	37	Sand Gravel
212	360	148	Red Rock & Red Bed
360	430	70	Red Bed
430	810	380	Red Bed & Red Rock
810	900	90	Red Rock
900	930	30	Red Shale
930	1040	110	Sand & Red Rock
1040	1110	70	Red Rock & Sand
1110	1206	96	Anhydrite
1206	1315	109	Salt & Anhydrite
1315	1340	25	Anhydrite
1340	2290	950	Salt & Anhydrite
2290	2490	200	Broken Anhydrite with salt streaks
2490	2989	499	Anhydrite
2989	3081	92	Anhydrite & lime
3081	3648	567	Lime
3648	3654	6	Broken Lime & Sand
3654	3660	6	Lime
TOTAL DEPTH			