

COPY

HUMBLE OIL & REFINING COMPANY
HOUSTON, TEXASHumble Oil & Refining Co.
Hobbs, New MexicoN. M. State J-1 SE-1/4 of Section 19, TS 17 South, Range 35
East, Vacuum Area, Lea County, New Mexico.DEVIATION SURVEYS

Slope test at 680' deviation 1 1/2 degrees
Slope test at 1080' deviation 1 1/2 degrees
Slope test at 1510' deviation 1 1/2 degrees
Slope test at 2025' deviation 1 degree
Slope test at 2503 hole straight
Slope test at 3222 deviation 1 degree

DRILL STEM TESTS

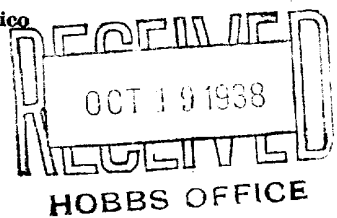
None

N.

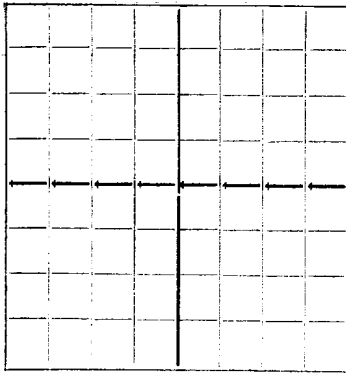
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



HOBBS OFFICE

AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

DUPLICATE
Houston, Texas

Humble Oil & Refining Company

Company or Operator **N. M. State J** Well No. **1** in **SW 1/4** of Sec. **19**, T. **S 17 S**
 Lease **35 East** N. M. P. M., **Vacuum** Field, **Lea** County.
 Well is **4620** feet south of the North line and **4620** feet west of the East line of **Sec. 19**
 If State land the oil and gas lease is No. **37723** Assignment No. _____
 If patented land the owner is _____ Address _____
 If Government land the permittee is _____ Address _____
 The Lessee is **Humble Oil & Refining Co.** Address **Houston, Texas**
 Drilling commenced **8/31** 19 **38** Drilling was completed **9/26**, 19 **38**
 Name of drilling contractor **Humble Oil & Refining Co.** Address **Houston, Texas**
 Elevation above sea level at top of casing **3985** feet. **9 inches.**
 The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from **4400** to **4725** 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
12 3/4" OD	54#	8	IN	215' 10"	Texas Pattern			
8-5/8" OD	32#	8	SS	1542' 9"	National Seamless			
5 1/2" OD	17#	10	SS	4287' 1"	Halliburton			
2" EUSE	4.70#	8	SS	4584' 8"				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	12 1/2"	230' 4"	200	Halliburton	10.4	12 tons used in rd 1
11"	8-5/8"	1558' 1"	500	do	10.5	
7-3/4"	5 1/2"	4298' 6"	275	do	10.6	

PLUGS AND ADAPTERS

Heaving plug—Material _____ 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
	Chemical Process		2000 gals.	10/1/38	4400' to 4725'	
	Halliburton		3000 gals.	10/3/38	4400' to 4725'	
	Halliburton		4000 gals.	10/9/38	4400' to 4725'	

Results of shooting or chemical treatment **After final treatment well flowed 192 bbls. oil in 24 hrs. thru 3/4" choke. Gas-oil ratio 464 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 **4725'** feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **October 16th**, 19 **38**
 The production of the first 24 hours was **192** barrels of fluid of which **99.4** % was oil; _____ % emulsion; _____ % water; and **.6** % sediment. Gravity, Be. **37.4 at 60 degrees**
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. F. Huber Driller **C. R. Cherry** Driller
M. L. Prichard Driller **C. H. Oberg** 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 **17th** **Midland, Texas** **October 17, 1938**
 day of **October**, 19 **38** Name **J. W. Hume**
Winnie Mae Ferguson Position **Division Superintendent**
 Notary Public Representing **Humble Oil & Refining Company**
 My Commission expires **6/1/39** Company or Operator **Box 1600 - Midland, Texas.**
 Address _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	230	230	Caliche & sand
230	1524	1294	Red beds
1524	1561	38	Anhydrite
1561	1640	79	Red beds
1640	1785	145	Anhydrite
1785	1817	32	Anhydrite - salt streaks
1817	2287	470	Salt streaks - anhydrite
2287	2503	216	Salt and streaks anhydrite
2503	2600	97	Salt
2600	2620	20	Anhydrite
2620	2752	132	Salt
2752	2795	31	Anhydrite
2795	3048	253	Anhydrite and streaks salt
3048	3288	240	Anhydrite
3288	3330	42	Anhydrite and gyp
3330	3662	332	Anhydrite
3662	3884	22	Lime
3884	3918	34	Anhydrite and streaks lime
3918	3955	37	Brown lime
3955	4165	210	Lime
4165	4225	60	Lime - streaks anhydrite
4225	4263	38	Lime
4263	4272	9	Lime and anhydrite
4272	4725	453	Lime - Total depth.

GENERAL REMARKS

Drilled by: Company Rig #138
Hobbs District Request #389 - Job Order NM-428
Pay Formation: Lime - 4400' to 4725'
Elevation top of derrick floor 3996
Elevation top of oil string bradenhead 3985' 9"
Distance from top of derrick floor to top of rotary: 1' 2"
Distance from top of derrick floor to top of oil string bradenhead 10' 3".

CASING SET

12 1/2" CD set 7 jts., 215' 0" at 230' 4"
8-5/8" OD set 50 jts., 1542' 9" at 1556' 1"
5 1/2" OD set 181 jts., 4287' 1" at 4298' 6"

CASING CEMENTED

12 1/2" OD used 200 sacks El Toro
8-5/8" used 500 sacks El Toro
5 1/2" OD used 75 sacks El Toro and
200 sacks Trinity.

DRILLING DATA

Commenced building: 8/18/38
Commenced rigging up: 8/30/38
Commenced drilling: 8/30/38
Completed drilling: 9/26/38
Completed work: 10/13/38

SET SHOES AND FLOAT COLLARS USED:

With 12 1/2" OD Casing	1 Texas Pattern Set Shoe
With 8-5/8" OD Casing	1 National Seamless Set Shoe
With 5 1/2" OD Casing	1 Halliburton Guide Shoe
	1 Halliburton Float Collar

Orig. & 2 CC: State of New Mexico oil conservation Commission

2 CC: Mr. J. T. Decherty
1 CC: Mr. S. W. Berg
1 CC: Mr. J. I. Fiddle
2 CC: Mr. R. B. Sinclair
1 CC: District File