

Grid for well location. Marked with 'X' at the intersection of the 4th row and 6th column.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Humble Oil & Refining Company

(Company or Operator)

New Mexico State AB

(Lease)

Well No. **1**, in **SE** **NE** **16** **243** **37E**
Fowler, in $\frac{1}{4}$ of $\frac{1}{4}$ of Sec. **16**, T. **243**, R. **37E**, NMPM.

Well is **1980** feet from **North** line and **660'** feet from **East** line

of Section **16**. If State Land the Oil and Gas Lease No. is **37721**

Drilling Commenced **5-18-52** Drilling was Completed **9-22-52**

Name of Drilling Contractor **Company Rig #30**

Address **Box 2347, Hobbs, New Mexico**

Elevation above sea level at Top of Tubing Head **3267**

The information given is to be kept confidential until

OIL SANDS OR ZONES

No. 1, from **10,284** to **10,334** No. 4, from **10,496** to **10,558**
No. 2, from **10,334** to **10,409** No. 5, from **10,558** to **10,635**
No. 3, from **10,409** to **10,496** 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	48	1st Cl.	386.45	MONRO			
8-5/8"	29.75	1st Cl.	3721.36	MONRO			
5-1/2"	20,17,19.5	1st Cl.	10746.20	Saker		10,610-10,640	Prod. perf.
2" Tbg.	4.7	1st Cl.	10585.10				
1-1/4"	2.28	1st cl.	52.70				

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	13-3/8	403.45	900	Hall.	Water	
11	8-5/8	3748.36	1900	Hall.	10.8	
11	8-5/8		450	Hall.		
7-7/8"	5-1/2	10,762.00	130	Hall.	9.3	Redimented
7-7/8"	5-1/2	10,762.00	890	Hall.		1st Stage

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)
9-21-52, Perforated 10,610-10,640' with 4 shots per foot, 120 shots.
9-22-52, Acidized with 1000 gallons Western low tension acid from 10,610-10,640.

Result of Production Stimulation... Produced 326.62 barrels oil plus 3% BSW on 14-1/4 hour test.

Depth Cleaned Out.....

RECORD OF DRILL-STEM AND SPECIAL TEST

If drill-stem or other special test or deviation survey was made, submit report on separate sheet and attach hereto
Hole Drilled at 7762 by 1952.
See Attachment for Drill Stem Tests. TOOLS USED

Rotary tools were used from 0 feet to 10,762 feet, and from feet to feet.
 Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing 9-25, 1952
 OIL WELL: The production during the first 24 hours was 547.09 barrels of liquid of which 97 % was
 was oil; % was emulsion; 3 % water; and % was sediment. A.P.I.
 Gravity 42.4 504 Mcf gas per day.
 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.	1140		T. Devonian	7345	T. Ojo Alamo.
T. Salt.			T. Silurian	(Pass) 8540	T. Kirtland-Fruitland.
B. Salt.			T. Montoya.	8885	T. Farmington.
T. Yates.			T. Simpson.	9190	T. Pictured Cliffs.
T. 7 Rivers.			T. McKee.		T. Menefee.
T. Queen.			T. Ellenburger.	10275	T. Point Lookout.
T. Grayburg.			T. Gr. Wash.	10695	T. Mancos.
T. San Andres.			T. Granite.		T. Dakota.
T. Glorieta.	4900		T.		T. Morrison.
T. Drinkard.			T.		T. Penn.
T. Tubbs.			T. Joins	10250	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	320	320	Red Beds	5915	5945	30	Lime
320	490	170	Red beds and lime	5945	6390	345	Sandy shale and lime
490	1038	548	Red Beds	6390	7396	1106	Lime and shale
1038	1146	108	Anhydrite	7396	7928	532	Lime & chert w/streaks shale
1146	1400	254	Anhydrite and sand	7928	8112	184	Lime and dolomite
1400	1497	297	Anhy., salt, shale & sand	8112	9167	1055	Lime, chert & dolomite
1497	1509	272	Sand, salt, anhy.	9167	9885	718	Lime, dolomite & chert, shale
1509	1538	481	Salt & anhydrite	9885	10075	190	Shale & sand & lime
1538	2401	91	Lime and anhydrite	10075	10499	424	Shale, sand and dolomite
2401	2490	89	Anhydrite	10499	10705	66	Chert & dolomite w/streaks shale.
2490	3094	604	Anhydrite and lime				
3094	3171	77	Anhydrite, lime & sand	10705	10742	37	Sand, dolomite with streaks shale.
3171	3300	129	Hard sandy shale & lime				
3300	3348	48	Anhydrite and lime				
3348	3442	102	Hard sandy shale & lime				
3442	3495	195	Lime with sandy shale				
3495	4438	775	Sandy lime				
4438	4684	246	Hard sand, shale & lime				
4684	4771	127	Sand and lime				
4771	4870	99	Sand, lime & shale				
4870	5187	317	Shale & lime				
5187	5222	35	Sandy shale				
5222	5353	131	Lime				
5353	5518	165	Sandy shale & shale				
5518	5915	397	Lime and shale				

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.

October 3, 1952

(Date)

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

Address **Box 2347, Hobbs, New Mexico**

Name *J. P. [Signature]*

Position or Title **District Superintendent**

mbh/mbh