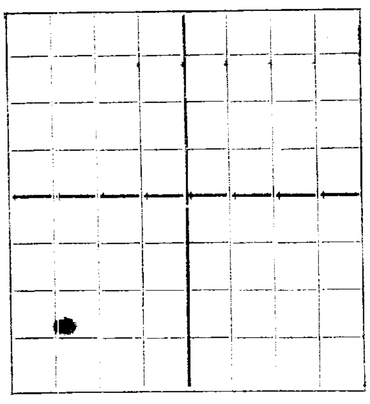
FORM C-105

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Humble Oil & Refining Company — Houston, Texas.
Company or Operator — Address

N. M. State G Well No. 1 in SW-1/4 of Sec. 23, T. 21-South
Lease

R. 36-East, N. M. P. M., Eunice N. M. Field, Lea County.

Well is 4620 feet south of the North line and 4620 feet west of the East line of Section 23.

If State land the oil and gas lease is No. 37728 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 April 10 19 37. Drilling was completed April 28 19 37

Name of drilling contractor McQueen & Clevenger, Address Hobbs, New Mexico

Elevation above sea level at top of casing 3659' 3" feet.

The information given is to be kept confidential until ____ 19__.

OIL SANDS OR ZONES

No. 1, from 3820 to 3860 — 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	PERFORATED TO	PURPOSE
10-3/4"	40.00	8	LW	196	Texas Pattern				
7-5/8"	26.40	8	LW	1445	Halliburton				
5-1/2"	17.00	10	SS	3760	Halliburton				
2" EUE	4.70	Tubing		3846					

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"	211'	115	Halliburton	10.6	36 tons used
9-7/8"	7-5/8"	1457'	400	Halliburton	10.7	in well
6-3/4"	5-1/2"	3772'	100	Halliburton	10.8	

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
		Dowell XX	1000 Gal	4-10-37	3860	
		Dowell XX	3000 Gal	5-4-37	3860	
130 Quarts		Nitro[illegible]	130 qts	5-18-37	3797-3860	3860

Results of shooting or chemical treatment [illegible] would not flow steadily before shot. After shot well flowed at the rate of 59 barrels per day.

RECORD 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 ____ feet to ____ feet, and from ____ feet to ____ feet
See attachment
Cable tools were used from 0 feet to 3860 feet, and from ____ feet to ____ feet

PRODUCTION

Put to producing ____, 19__

The production of the first 24 hours was ____ barrels of fluid of which ____% was oil; ____% emulsion; ____% [illegible] 16 and ____% sediment. Gravity, Be 37

If gas well, cu. ft. per 24 hours 1 4 Gallons gasoline per 1,000 cu. ft. of gas 29.6

Rock pressure, lbs. per sq. in. .2 30.6 at 60 degrees.

Above test was made before well was shot.

EMPLOYEES

____, Driller ____, Driller

____, Driller ____, Driller

J. [illegible] Winston — [illegible] Higgins
Bill Hollis

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 10th day of June 19 37

[signature]
Notary Public

My Commission expires 6-1-39

Midland, Texas, June 10, 1937
Place — Date

Name [signature]

Position Asst. Division Superintendent

Representing Humble Oil & Refining Co.
Company or Operator

Address Box 1600, Midland, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar
18	85	67	Caliche and surface sand
85	180	95	Sand
180	218	38	Red beds
218	460	242	Red beds and shells
460	800	340	Red beds
800	1020	220	Red rock
1020	1260	240	Red beds and red rock
1260	1377	117	Red rock
1377	1478	101	Anhydrite
1478	2080	602	Salt
2080	2510	430	Salt and streaks of anhydrite
2510	2664	154	Salt
2664	3056	392	Anhydrite
3056	3156	100	Lime
3156	3236	80	Anhydrite
3236	3317	81	Anhydrite and lime
3317	3403	86	Lime
3403	3560	157	Lime and anhydrite
3560	3631	71	Lime and streaks of anhydrite
3631	3695	64	Lime
3695	3775	80	Grey lime
3775	3815	40	Lime with porous streaks showing oil
3815	3860	45	Lime

TOTAL DEPTH

G E N E R A L   R E M A R K S

Drilled by: McQueen & Clevenger - Contractors

Eunice District Request #800 - Job Order 91-860

Pay formation: Lime 3820' to 3860'.

Elevation top of derrick floor: 3568'.

Elevation top of oil string bradenhead: 3559' 2".

Distance from top of derrick floor to top of rotary: 1' 2"

Distance from top of derrick floor to top of oil string bradenhead: 8' 10"

C A S I N G S E T	C A S I N G C E M E N T E D
10-3/4" OD set 10 jts 196' at 211'	10-3/4" OD used 115 sacks El Toro
7-5/8" OD set 60 jts 1444' 10" at 1457'	7-5/8" OD used 400 sacks El Toro
5-1/2" OD set 121 jts 3760' at 3772'	5-1/2" OD used 100 sacks El Toro

DRILL TOOLS, PIPE OR OTHER MATERIAL LOST IN HOLE: None

D R I L L I N G   D A T A

Commenced building rig:	4-2-37
Commenced rigging up:	4-5-37
Commenced drilling:	4-10-37
Completed drilling:	4-28-37
Completed work:	5-26-37

SET SHOES AND FLOAT COLLARS USED

With 10-3/4" OD casing:	1 - 10-3/4" OD Texas Pattern set shoe
With 7-5/8" OD casing:	1 - 7-5/8" OD Halliburton set shoe 1 - 7-5/8" OD Halliburton float collar
With 5-1/2" OD casing:	1 - 5-1/2" OD Halliburton guide shoe 1 - 5-1/2" OD Halliburton float collar.

Orig & 2 cc: State Land Commissioner
1 cc: Mr. W. T. Doherty
3 cc: Mr. R. E. Sinclair
1 cc: Mr. H. W. Oberg
1 cc: Mr. J. V. Boyce
1 cc: File.