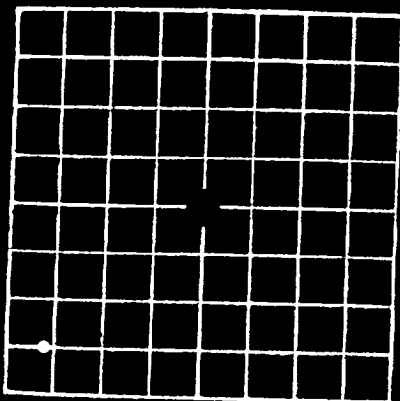




U. S. LAND OFFICE **Las Cruces**
 SERIAL NUMBER **048741**
 LEASE OR PERMIT TO PROSPECT

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Humble Oil & Refining Co** Address **Houston, Texas.**
 Lessor or Tract **Louis C. Popeano** Field **San Jose** State **New Mexico**
 Well No. **3** Sec. **25** T. **20S** R. **36E** Meridian _____ County **Lea**
 Location **660** ft. ^[N.] of _____ Line and **660** ft. ^[E.] of _____ Line of **Section 25** Elevation **3558'**
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well as far as can be determined from all available records.

Signed _____
 Title **District Superintendent**

Date **December 6**

The summary on this page is for the condition of the well at above date.

Commenced drilling **November 16** 19 **37** Finished drilling **November 28** 19 **37**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3708** to **3855** No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
10-3/4"	40	8	CS	135'2"	Texas	Pattern			
7-5/8"	28.40	8	SS	1170'10"	Halliburton	Guide shoe			cellar
5-1/2"	17	10	SS	5000'	Halliburton	Set pipe & float collar			cellar
2"	4.70	11-1/2	USE	3839'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	150'3"	100 sack El Toro	Halliburton	10.2	35 tons used in well
7-5/8"	1184'10"	400 sack El Toro	Halliburton	10.4	
5-1/2"	3702'	125 sack El Toro	Halliburton	10.6	

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length _____ Depth set _____
 Adapters—Material **None** Size _____

ACID-TREATING

RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
10-3/4"		Halliburton		12-3-37		
		acid	2000 gal		3715-3855	

TOOLS USED

Rotary tools were used from _____ feet to **335'** feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

December 6 19 **37** Put to producing **December 16** 19 **37**

The production for the first **24** hours was **202.6** barrels of fluid of which **99.5** % was oil; _____ % emulsion; _____ % water; and **.5** % sediment. Gravity, **°Bé. 35.2 at 60 deg**

If gas well, cu. ft. per 24 hours **945,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **Tubing Pressure 150, Casing Pressure 400.**

EMPLOYEES

Id Sprouse, Driller **Bill Hollis**, Driller
C. E. Earnest, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	16	16	Cellar
16	45	29	Caliche
45	95	50	Sand
95	659	564	Red beds
659	1155	496	Red rock
1155	1270	115	anhydrite
1270	2624	1354	salt and anhydrite
2624	2800	176	anhydrite
2800	2837	37	lime
2837	2939	102	Anhydrite and lime
2939	3855	916	lime
TOTAL DEPTH			

HMH

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
GENERAL REMARKS			
Drilled by: McQueen & Clevenger - Contractors. Hobbs District Request #354, Job Order HM-394. Pay formation: Line 3715 to 3855'. Elevation top of derrick floor: 3548'. Elevation top of oil string bradenhead: 3549'. Distance top derrick floor to top rotary: 1' 0". Distance from top of derrick floor to top of oil string bradenhead 9'.			
CASING SET		CASING CEMENTED	
10-3/4" OD set 6 jts, 135' 2" at 150' 3"	10-3/4" OD used 100 sax El Toro		
7-5/8" OD set 50 jts, 1170' 10" at 1184' 10"	7-5/8" OD used 400 sax El Toro		
5-1/2" OD set 115 jts, 3639' at 3702'.	5-1/2" OD used 125 sax El Toro		
DRILL TOOLS, PIPE OR OTHER MATERIAL LOST IN HOLE: None			
FORMATION RECORD DRILLING DATA			
Commenced building rig:		11-22-37	
Commenced running up:		11-15-37	
Commenced drilling:		11-16-37	
Completed drilling:		11-28-37	
Completed work:		12-4-37	
SET SHOES & 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 guide shoe		
	1 - 7-5/8" OD Halliburton float collar		
With 5-1/2" OD casing:	1 - 5-1/2" OD Halliburton set shoe		
	1 - 5-1/2" OD Halliburton float collar		
Orig & 2 cc: U. S. Geological Survey 1 cc: Mr. J. S. Griffith Orig & 2 cc: Mr. R. E. Sinclair 1 cc: Mr. E. T. Oberg 1 cc: Mr. J. I. Riddle 2 cc: Mr. T. T. Doherty 1 cc: District File			
PRODUCTION AND CUMULATIVE RECORD			

GOVERNMENT PRINTING OFFICE

6-5745

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

COPY SENT TO H. S. McQUEEN

END OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

DAVIS, TEXAS