Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE
SERIAL NUMBER NM-016788
LEASE OR PERMIT TO PROSPECT
Humble Co. Lse. No. 207058

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 2347 - Hobbs, New Mexico / Box 2180, Houston 1, Texas

Lessor or Tract Federal Empire Abo Field Empire Abo State New Mexico

Well No. 2 Sec. 1 T. 18-S R. 27-E Meridian NMPM County Eddy

Location 1980 ft. {N.} of S Line and 660 ft. {W.} of E Line of Section 1 Elevation 3640 DF
(Derrick floor relative to sea level)

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

Signed

Date October 19, 1959 Title District Superintendent

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

Commenced drilling August 31, 19 59 Finished drilling September 29, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6159 to 6175 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 From—	Perforated To—	Purpose
8-5/8	24	8	[illegible]	1511	Homco	-	-	-	Surface
4-1/2	11.6	8R	[illegible]	6185	Homco	-	6159	6175 OH	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1522	850	Pumped		
4-1/2	6185	200	Pumped		

PLUGS AND ADAPTERS

Heaving plug—Material - Length - Depth set -

Adapters—Material - Size -

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from 0 feet to 6185 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing October 1, 19 59

The production for the first 24 hours was 162 barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. 100

If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas 43

Rock pressure, lbs. per sq. in. -

EMPLOYEES

S. E. Hushin, Driller Dora Bates, Driller

A. T. Coleman, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	229	229	Surface and redrock
229	1113	884	Anhydrite and redbed
1113	2059	946	Anhydrite
2059	2613	554	Anhydrite and lime
2613	4150	1537	Lime
4150	4180	30	Lime and sand
4180	4230	50	Chert and shale
4230	4320	90	Chert and lime
4320	4430	110	Lime
4430	4576	146	Lime and chert
4576	5028	452	Lime
5028	5454	426	Lime and chert
5454	5476	22	Lime, chert and shale
5476	5795	319	Lime and chert
5795	5828	33	Lime, dolomite and chert
5828	5902	74	Lime and chert
5902	5959	57	Lime, dolomite and chert
5959	6185 TD	226	Lime

Formation Tops

FROM—	TO—	TOTAL FEET	FORMATION
	San Andres	1975	
	San Angelo	3550	
	Clear Fork	4700	
	Abo Reef	5948	

[OVER]

16—48094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

Well was drilled to a total depth of 6185'. Water was used as drilling fluid to 5713'. Mud was used from 5713 to total depth. Set 1511' of 8-5/8" casing at 1522' using 850 sacks regular neat cement. Cement circulated. Ran electric logs. Set 6171' of 4-1/2" casing w/ 200 sacks 4% gel cement. Ran logs. Tested casing with 1500# for 30 minutes. No drop in pressure. Drilled plug. Ran 2" tubing, set Baker packer at 5844'. Perforated 4-1/2" casing from 6159-6175' w/ 2 jet shots per foot. Swabbed well in. On 24 hour potential test on 3/16" choke produced 162 barrels F10. Corrected gravity 43.0

Completed as a flowing oil well in the Empire Abo formation through perforations in 4-1/2" casing from 6159-6175'.

No drill stem tests taken. No cores taken.