U. S. Land Office NM 04175 (b)
Serial Number 231616
Lease or Permit to Prospect ....

RECEIVED
AUG 30 1961
X U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AUG 1961

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company ....HUMBLE OIL & REFINING COMPANY... Address ...Box 2180, Houston, Texas.............

Lessor or Tract ..Abo Chalk Bluff Draw Unit..... Field ..Empire Abo.......... State ..New Mexico......

Well No. ..25..... Sec. ..17.. T. 18-S.. R. 27-E. Meridian ..NMPM.............. County ..Eddy.....

Location 2966 ft. (N) of North Line and 1950 ft. (E.) of West Line of ..Section 17........ Elevation ..3441..
2 3/4' from South   330' from East   (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 .... ORIGINAL SIGNED: ......ARVIN D. EADY.....

Date ..August 24, 1961.................... Title ..Agent.....

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

Commenced drilling ..April 29........, 19 61. Finished drilling ..May 23........, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)   Date Well Completed 6-22-61

No. 1, from ..3316-22....... to ..3382-88...... No. 4, from .... to ....

No. 2, from ..5446-58....... 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	8rd	Unknown	1525	ROXCO				Surface
4-1/2	9.5	8rd	Unknown	5504	HUXCO		3316-22, 3382-42	5446-58	Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1525	955	Pumped	-	-
4-1/2	5600	850	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
	-					

TOOLS USED

Rotary tools were used from ..0.... feet to ..5602.. feet, and from .... feet to .... feet

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

DATES   *Driller's Total Depth.

..........August 23.........., 19 61   Put to producing ....May 30........, 19 61

The production for the first 24 hours was ..137.... barrels of fluid of which ..71....% was oil; ...-...% emulsion; ..29..% water; and .....% sediment.   Gravity, °Bé. ....42.9°...........

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

Rock pressure, lbs. per sq. in. ......-......

EMPLOYEES

J. A. Whittington................, Driller   Abe Tomlinson.............., Driller

S. A. Hall................, Driller   ...., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	150	150	Caliche
150	500	350	Red Bed
500	678	178	Dolomite and Sand
678	1331	653	Anhydrite and Sand
1331	1525	194	Anhydrite and Lime
1525	4164	2639	Lime
4164	5300	1136	Dolomite
5300	5602 TD	302	Lime

Formation Tops

San Andres	1190
Yeso	2995
Bone Spring	4265
Top Reef	5278
Base Reef	5572

(OVER)

16—43094-4

FROM—	TO—	TOTAL FEET	FORMATION

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.

Spudded 11" hole at 8:00 A.M. 4-29-61. Ran 1509' (49 joints) 8-5/8" csg set at 1525 w/800 sxs cmt. Cmt didn't circulate. Top of cmt 240 by temp survey. Cmt to surface in five stages w/155 sxs. Ran 5584 (175 joints) 4-1/2" csg set at 5600 w/850 sxs cmt., cmt circulated. Ran 5256 (166 joints) 2-3/8" tbg.
This well drilled to a total depth of 5602 (Driller's total Depth).
No DST taken.
No cores taken.
Logging Record: Gamma-Ray-Neutron from 5587 to surface.
    Guard - from 5583 to 4500:
Perforated 4-1/2 csg from 5535 to 5540 (2 shots per ft) and acidized. Plugged off the preceding perforations. Perforated 4-1/2 csg from 5446 to 5458 (2 shots per ft) and acidized. Plugged off this interval of perforations. Perforated 4-1/2 csg from 5316-22 and 5382-02 and (2 shots per ft) and acidized. Removed second plug and are now producing from perf. 5316-22, 5382-02 and 5446-58.
Well completed as a flowing oil well as of 6-22-61.