

U. S. LAND OFFICE **NM 041758**
Company SERIAL NUMBER **231616**
 LEASE OR PERMIT TO PROSPECT **5**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT TO PROSPECT
 RECEIVED
 FEB 22 1961
 O. C. C.
 ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Company Address Box 2347, Hobbs, New Mexico
Lessor or Tract Abo Chalk Bluff Draw Unit Field Empire Abo State New Mexico
Well No. 11 Sec. 17 T. 18S R. 27E Meridian NMPM County Eddy
Location 2970 ft. ^[N.]_[W.] of S Line and 4950 ft. ^[E.]_[W.] of N Line of Sec. 17 Elevation 3457
(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. ORIGINAL IN CHARGE

Date February 20, 1961 Title Agent

The summary on this page is for the condition of the well at above date. Date Completed: 1-21-61

Commenced drilling December 23, 1960 Finished drilling January 17, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5456 to 5470 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1517	800	Pumped	"	"
4-1/2	5637	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
	None					

TOOLS USED

Rotary tools were used from 0 feet to 5638 feet, and from _____ feet to _____ feet.

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

DATES

-----**February 20**-----, 19**61**----- Put to producing -----**January 20**-----, 19**61**-----

The production for the first 13.25 hours was 235 barrels of fluid of which 100% was oil; -% emulsion; -% water; and -% sediment. Gravity, °Bé. 44.0

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

----- R. O. Blackledge -----, Driller ----- R. L. Beutler -----, Driller
----- Adam Locke -----, Driller ----- -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	579	579	Anhydrite and Lime
579	740	161	Anhydrite and Gyp
740	920	180	Anhydrite
920	1042	122	Anhydrite and Gyp
1042	1250	208	Anhydrite
1250	1332	82	Anhydrite and Gyp
1332	1439	107	Anhydrite and Lime
1439	1522	83	Anhydrite
1522	4205	2683	Lime
4205	4942	737	Lime and Dolomite
4942	5059	117	Lime, Dolomite and Chert
5059	5107	48	Lime and Dolomite
5107	5431	324	Lime and Shale
5431	5638 T.D.	207	Lime
			<u>Formation Tops</u>
			San Andres 1155
			Yaso 2924
			Bone Spring 4212
			Top of Reef 5282
			Base of Reef 5545

(OVER)

18-13094-6

FORMATION

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