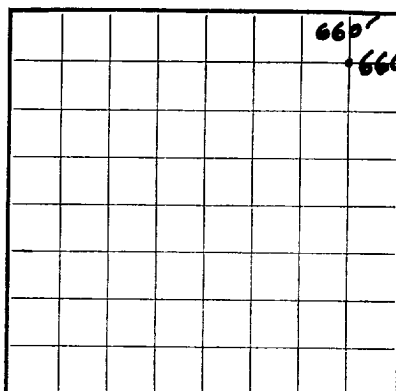


U. S. LAND OFFICE UM
SERIAL NUMBER 04421
LEASE OR PERMIT TO PROSPECT _____



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APR 18 1960
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

GEOLOGICAL SURVEY

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APR 19 1960

D. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Standard Oil Company of Texas Address Drawer B Grayburg Monahans, Texas
 Lessor or Tract Federal 14-9 Field North Square Lake State Ind. Tex. New Mexico
 Well No. 1 Sec. 9 T. 16S R. 31E Meridian _____ County Reddy
 Location 660 ft. N. of 660 Line and 660 ft. E. of E Line of Section 9 Elevation 4155 KB
 (Detrick 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 C. F. Dwyer **C. F. Dwyer**

Date **4-12-60**

Title **District Engineer**

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

Commenced drilling 2-23-60, 1960 Finished drilling 3-6- 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3608 to 3660 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 ~~None Tested~~ 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—	
8 5/8	24	8 RD	IT	223'	Float				Surface
5 3/2	14	8 RD	IT	3700'	Float				011 string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	223'	120	Pump & plug	10.4	Unknown
5 1/2	3700'	250	Pump & plug	10.4	"

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 3700 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----, 19-----

Put to producing ----- ~~9-24-60~~ -----, 19-----

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

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

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

EMPLOYEES

----- **L.L. Praley** -----, Driller

----- **M.F. Young** -----, Driller

----- **Roy Solomon** -----, Driller

----- -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
250	934	684'	Sand and red beds
934	1600	666'	Anhydrite and shale (Rustler anhy @ 934')
1600	1900	300'	Salt and anhydrite
1900	2896	996'	Anhydrite with sand, shale and dolomite stringers (T/Tates 2069)
2896	2910	14'	Sand, fine grain, friable (T/Queen 2896)
2910	3580	670'	Anhydrite with sand, shale and dolomite stringers (T/Greensburg 3289)
3580	3608	28'	Shale, red-gray w/anhy inclusions (T/Premier 3606)
3608	3613	5'	Sand, red-gray, shaly, blkg oil (producing zone)
3613	3646	33'	Shale, red, sand, stringers w/no sho
3646	3658	12'	Sand, red-gray, shaly, blkg oil (prod zone)
3658	3663	5'	Red sdy shale
3663	3700 (TD)	37'	Dolomite, tan, fine crystalline (T/San Andres 3665)

FORMATION RECORD--Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of refilling, 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.

The subject well was drilled as a Grayhawk (Preston) objective to 1700'. An open hole test was conducted on the Yates sand from 2230' to 2366'. No hydrocarbon production was found here. $\frac{1}{2}$ " csg was cemented with 250 sacks cement. The Grayhawk (Preston) was perforated w/4 jets/ft as follows: 3608-3615, 3648-3660. The parts were treated with 30,000 gal gelled lease crude & 45,000 lbs sand. On official re-formation the well pumped 101 BO & O BW in 24 hours. Gravity of the crude was 34.6 API & 60R 262 cP@60.

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