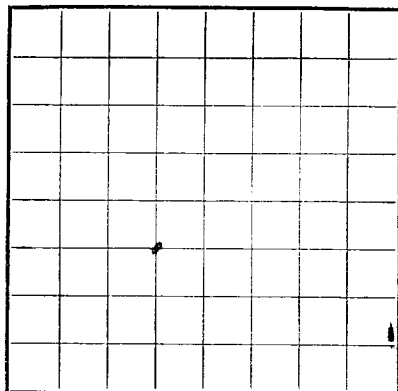


Form 9-330

U. S. LAND OFFICE

SERIAL NUMBER **NM 04242**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED UNITED STATES RECEIVED
OCT 17 1960 DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY GEOLOGICAL SURVEY OCT 20 1960
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **James P. Dunigan** Address **Abilene, Texas 810 Citizens Nat'l Bank Bldg.**
Lessor or Tract **Denius - Federal** Field **Corbin Abo Reef** State **New Mexico**
Well No. **3** Sec. **33** T. **17S** R. **33E** Meridian County **Lea**
Location **1980** ft. **N.** of **S.** Line and **1980** **W.** of **E.** Line of **Sec. 33** Elevation **4111**
(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 10, 1960**Title **Superintendent**

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

Commenced drilling **8-14**, 19 **60** Finished drilling **9-25**, 19 **60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **8534** to **9071** 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—	
13 3/8	48	8 Rd.	L. S.	309	Tex. Patt.				Surface
8 5/8	24 & 32	8 Rd.	L. S.	2920	Hall.				Intermediate
4 1/2	11.60	8 Rd.	L. S.	9068	Hall.				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	309	340	Pump & plug		
8 5/8	2920	850	Pump & plug		
4 1/2	9068	250	Pump & plug		

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 **Surface** feet to **9071 TD** feet, and from _____ feet to _____ feet

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

DATES

Oct. 10, 19 **60** Put to producing **Oct 4**, 19 **60**

The production for the first 24 hours was **705** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **38.5**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1412	1412	Sand & Shale
1412	2800	1388	Anhydrite & Salt
2800	3240	440	Sand, Shale & Anhydrite
3240	3910	670	Dolomite & Anhydrite
3910	3960	50	Sand
3960	4770	810	Dolomite & Sand
4770	6445	1675	Dolomite & Chert
6445	7300	855	Dolomite
7300	8534	1234	Dolomite & Shale
8534	9071	537	Dolomite
			Tops:
			Rustler 1412
			Yates 2800
			Queen 3910
			Glorietta 6445
			Abo Reef 8534

[OVER]

16-43094-4

AT THE END OF COMPLETE DRILLER'S LOG, ADD GEOLOGIC TOPS. STATE WHETHER FROM EL OR SAMPLES.

RECEIVED
JAN 10 1964
U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

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, 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-48094-2

[illegible]

FORMATION RECORD—Continued