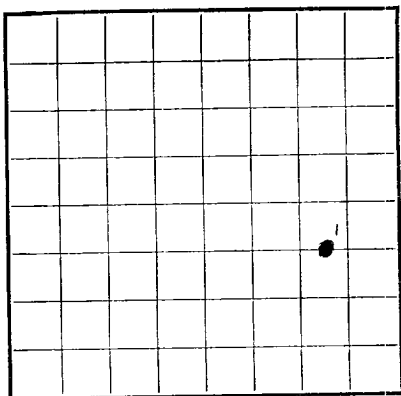


U. S. LAND OFFICE
SERIAL NUMBER **NM 04242**
LEASE OR PERMIT TO PROSPECT



RECEIVED
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
JUN 1 1960
ARTESIAN OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **James P. Dunigan** Address **Box 1641, Abilene, Texas**
Lessor or Tract **Denius - Federal** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **33** T. **17S** R. **33** Meridian **East** County **Lea**
Location **1980** ft. **N.** of **S** Line and **990** ft. **E.** of **E** Line of **Section 33** Elevation **4085'**
(Derriek 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 *[Signature]*

Date **May 26, 1960** Title **Superintendent**

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

Commenced drilling **March 16,** 19**60** Finished drilling **May 9,** 19**60**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **8572'** to **8950'** 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 **130'** to **290'** 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.	306	Tex. Patt.				
8 5/8	24.28	8 Rd.	CF&I	4764	Hall				
5 1/2	15.54	7 8 Rd.	L.S.	8940	Hall		8710	8753	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	316 KB	375 Sacks	Pump & plug		
8 5/8	4774 KB	950 Sacks	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 **8950** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 6, 19**60** Put to producing **May 19,** 19**60**
The production for the first 24 hours was **502** barrels of fluid of which **100**% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. **38.8 @ 60 F.**
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'	1423'	1423'	Sand and shale
1423'	2813'	1390'	Anhydrite and salt
2813'	3235'	422'	Sand, shale, and anhydrite
3235'	3906'	671'	Dolomite and anhydrite
3906'	3955'	49'	Sand
3955'	4723'	768'	Dolomite and sand
4723'	6408'	1685'	Dolomite
6408'	7185'	777'	Dolomite and chert
7185'	7470'	285'	Dolomite and sand
7470'	8365'	895'	Dolomite and grey shale
8365'	8572'	207'	Dolomite and green shale
8572'	8950'	378'	Dolomite
Formation tops from electric log:			
			Rustler 1423'
			Yates 2813'
			Queen 3906'
			San Andre 4723'
			Glorieta 6408'
			Abo 8365'
			Abo Reef 8572'
			Total depth 8950'

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SECRET