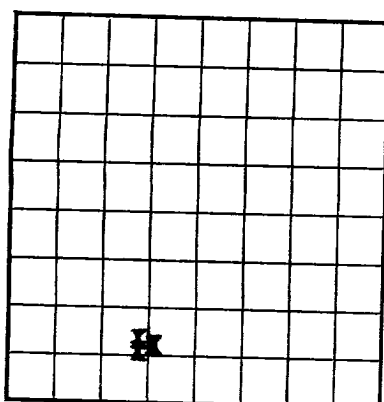


U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **10070331**

LEASE OR PERMIT TO PROSPECT



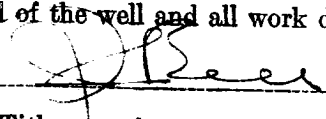
LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **W. H. Black** Address **Box 174, Midland, Texas**
Lessor or Tract **Federal "C"** Field **Texas** State **New Mexico**
Well No. **1** Sec. **14** T. **20S** R. **33E** Meridian **NMPM** County **Lea**
Location **990 ft. (N.) of S Line and 2310 ft. (E.) of W Line of Section 14** Elevation **3596'**
(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 **April 30, 1954** Title **Agent**

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

Commenced drilling **March 22,** 19 **54** Finished drilling **April 16** 19 **54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3068** to **3073** No. 4, from _____ to _____
No. 2, from **3215** to **3273** No. 5, from _____ to _____
No. 3, from **3317** to **3337** 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		78'	T.P.	78'			Conductor
10 3/4	32.75	8		550'	"	550'			"
8 5/8	28	10		1005'	"	1005'			"
7	23	8		3290'	Float & Guide				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	78'	Mudded			
10 3/4	550'	Mudded			
8 5/8	1005'	Mudded			
7	3290'	420	Halliburton Oilwell Cementing Company		

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **3338** feet, and from _____ feet to _____ feet

DATES

4-30 19 **54** Put to producing **4-21** 19 **54**

The production for the first 24 hours was **118** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **28.9**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller **J. C. Clower** _____, Driller

FORMATION RECORD

Contractor

FROM—	TO—	TOTAL FEET	FORMATION
0	905	905	Red bed & blue shale
905	1390	485	Red shale, red bed & red rock
1390	1420	30	Anhydrite, top Anhydrite - 1390'
1420	1437	17	Red shale, salt, potash
1437	1530	93	Lime & Anhydrite
1530	1645	115	Salt, bentonite & shale
1645	1675	30	Anhydrite & shale
1675	1750	75	Salt
1750	1980	230	Anhydrite, red shale & salt
1980	2625	645	Salt & potash
2625	3004	379	salt & potash
3004	3164	160	Gray lime, stain of oil 3068' to 3073'
3164	3185	21	Sandy Lime
3185	3215	30	Gray Lime
3215	3260	45	Yates sand & gray lime
3260	3273	13	Lime & sand
3273	3338	65	Gray sandy lime - T.D.

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 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.

HISTORY OF OIL OR GAS WELL

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