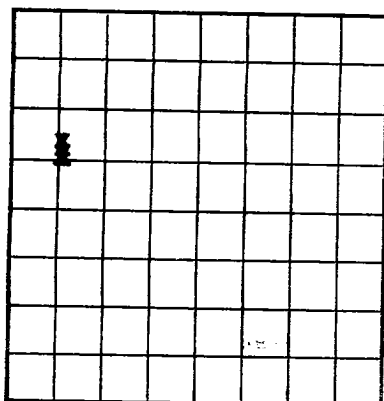


U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **065658**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
FEB 4 1954
U. S. GEOLOGICAL SURVEY
NEW MEXICO

LOG OF OIL OR GAS WELL

Company **W. H. Black** Address **Box 174, Midland, Texas**
Lessor or Tract **Federal "A" (Amer. Rep.)** Field **Undesignated** State **New Mexico**
Well No. **4** Sec. **14** T. **20S** R. **33E** Meridian **N.M.P.M.** County **Lea**
Location **2310** ft. **XXX** of **N** Line and **990** ft. **XXX** of **W** Line of **Section 14** Elevation **3580'**
(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 **Free**
Date **January 22, 1954** Title **Agent**

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

Commenced drilling **12-24**, 19 **53** Finished drilling **1-22**, 19 **54**OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **3215'** to **3230'** No. 4, from _____ to _____
No. 2, from **3395'** to **3403'** No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **690'** to **715'** 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	8rd		68'	T.P.	68'			Conductor
10 3/4	32.75	8rd		568'	T.P.	568'			Conductor
8 1/2	24	8rd		947'	T.P.	947'			Conductor
7	20	8rd		3370'	Fl. Guide				Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	3370'	100 sks. - Neat			
		350 sks. 10% - Circ. approx. 30			
					skts. to surface

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

ACIDIZING ~~STIMULATING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
5000 Gals. Acid				1-25		

TOOLS USED

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

Cable tools were used from **0** feet to **3399'** feet, and from _____ feet to _____ feet

DATES

2-2, 19 **54** Put to producing **1-27**, 19 **54**

The production for the first 24 hours was **43** barrels of fluid of which **88** % was oil; _____ % emulsion; **12** % water; and _____ % sediment. Gravity, °Bé. **28.2**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Moore, Driller **A. M. Cooper**, Driller**T. H. Bennett**, Driller **J. C. Clower**, Driller

FORMATION RECORD

Contractor

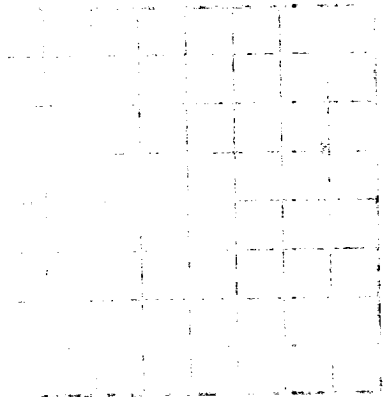
FROM—	TO—	TOTAL FEET	FORMATION
0	50	50	R. d & Blue Shale
50	125	75	Red Beds
125	230	105	R. d & White Shale
230	275	45	Red Shale
275	380	105	Red & Grey Shale
380	430	70	Brown Shale
430	585	135	Red Sandy Shale
585	690	105	Red Rock
690	715	25	Water sand
715	775	60	Sandy Shale
775	780	5	Sharp red sand
780	845	65	Red sand
845	1000	155	Red Shale
1000	1040	40	Red Rock
1040	1075	35	Sandy Shale
1075	1210	165	Red Rock
1210	1340	100	Red Shale
1340	1364	26	Red Rock
1364	1510	146	Anhydrite
1510	1575	65	Salt
1575	1610	35	Anhydrite & lime
1610	1630	20	Anhydrite & salt
1630	1660	30	Red & Blue Shale
1660	1895	235	Salt & Potash & Shale
1895	1915	20	Anhydrite

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1915	2185	270	Salt & Potash
2185	2250	65	Salt, Red shale & Potash
2250	2710	260	Salt & Potash
2710	2795	85	Salt & Shale
2795	2820	25	Argillite
2820	2976	156	Salt & Potash
2976	3000	24	Argillite
3000	3060	60	Lime & Anhydrite
3060	3150	90	Gray Lime
3150	3235	85	White lime & red sandy shale
3235	3260	25	Lime & red shale, little show - oil
3260	3273	13	Broken lime & sand
3273	3285	12	First Gray sand
3285	3305	20	Hard Lime
3305	3395	90	Gray Lime
3395	3399	4	Oil sand
3399	3404	5	Lime
3404	3410	6	Sand - T.D. factory
3410	3409		F.B. w/500# land wool

HISTORY OF OIL OR GAS WELL

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. Holes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.



WELL LOCATION
WELL NO. 1
WELL NO. 2
WELL NO. 3
WELL NO. 4
WELL NO. 5
WELL NO. 6
WELL NO. 7
WELL NO. 8
WELL NO. 9
WELL NO. 10

WELL NO. 1
WELL NO. 2
WELL NO. 3
WELL NO. 4
WELL NO. 5
WELL NO. 6
WELL NO. 7
WELL NO. 8
WELL NO. 9
WELL NO. 10