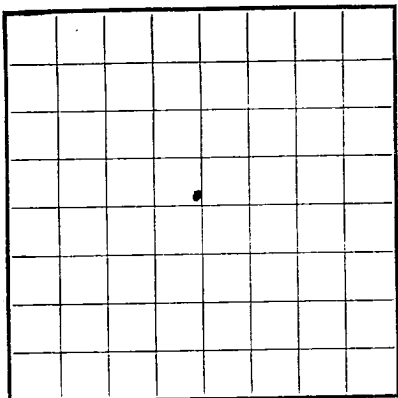


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029509-B
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Buffalo Oil Company Address Artesia, New Mexico
Lessor or Tract M. E. Baish Field Maljamar State New Mexico
Well No. I.P.20 Sec. 22 T. 17 R. 32 Meridian N.M.P.M. County Lea
Location 2555 ft. N. of N. Line and 2615 ft. E. of W. Line of Sec.22-17-32 Elevation 4000
(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 /S/ H. G. Ellis

Date November 1, 1946

Title Superintendent

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

Commenced drilling July 24, 1946 Finished drilling September 28, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3782 to 3818 No. 4, from 4094 to 4102
No. 2, from 3863 to 3867 No. 5, from _____ to _____
No. 3, from 4035 to 4065 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 680 to 690 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	Seamless	898	Texas	None	No		Water
7	20	8 rd	"	3699	Float	None	No		Oil
5-1/2	14	8 rd	"	225	Liner	Set and cemented from 3679 to 3904	3782	3818	
Liner set to cover dry permeable zone and							3863	3867	

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	898	65	Pump		10 sacks aquagel
7	3699	150	"		15 " "

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 4102 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% 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. _____

EMPLOYEES

Marshall & Smith _____, Driller Sep Watt _____, Driller
Carl Jarren _____, Driller Max Ratliff _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Caliche and Red Beds
40	818	778	Red Beds
818	945	127	Anhydrite
945	1975	1030	Salt
1975	3085	1110	Anhydrite
3085	3120	35	Sand, show of gas
3120	3510	390	Anhydrite
3510	4102	592	Lime
4102	Total Depth		

This well was drilled for injection well and gas injection will start upon completion of remodeling pressure plant and installation of surface lines.

[illegible]

Between now and the time the remodeling of the plant is completed and ready to inject gas, we will attempt to clean up formation so that it will receive gas.