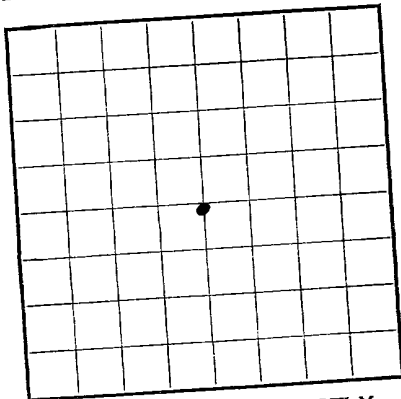


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029405-B
LEASE OR PERMIT TO PROSPECT Lease

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 Wm. Mitchell Field Maljamar State New Mexico
 Well No. I.P. 4 Sec. 19 T. 17 R. 32 Meridian N.M.P.M. County Lea
 Location 2610 ft. [N.] of S Line and 2640 ft. [W.] of E Line of Sec. 19-17S-32E Elevation 3936
 (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 Title Superintendent

Date November 1, 1946

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

Commenced drilling July 23, 1946 Finished drilling October 9, 1946

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

No. 1, from 3573 to 3611 No. 4, from 3715 to 3758
 No. 2, from 3619 to 3652 No. 5, from 3953 to 3970
 No. 3, from 3665 to 3674 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None 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—	
8-5/8	24	8 rd	Seamless	682	Texas	None	No		Water
7	20	8 rd	Seamless	3536	Float				Oil

MUDGING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	682	50 sacks	Pump		10 sacks Aquagel
7	3536	150 "	"		15 " "

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
 Adapters—Material _____ Size _____

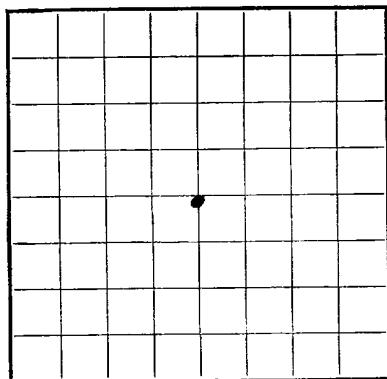
SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 _____ feet to _____ feet, and from 3970 feet, and from _____ feet to _____ feet

FOLD MARK

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029405-B
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7	3536	150 "	"		15 "

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3970 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

Carper Drilling Company _____, Driller Dell M. Walters _____, Driller
M. A. Mapes _____, Driller M. A. Lapsley _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Sand, Caliche and Red Beds
40	625	585	Red Beds
625	810	185	Anhydrite
810	1800	990	Salt
1800	2945	1145	Anhydrite
2945	2965	20	Shale
2965	2985	20	Brown Sand, slight show of gas
2985	3325	340	Anhydrite
3325	3971	646	Lime
3971	Total Depth		

This well was drilled for injection well and gas will be injected
into the well upon completion of remodeling to pressure plant and in-
stallation of surface lines.

