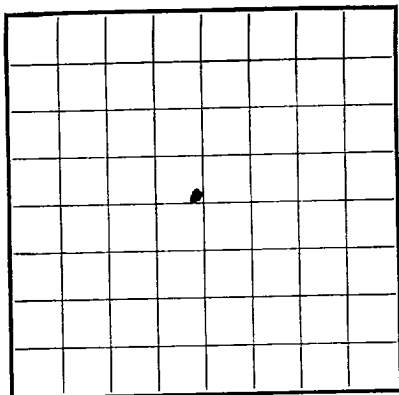


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029509-A
LEASE OR PERMIT TO PROSPECT Lease



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 "A" Field Maljamar State New Mexico
Well No. I. P26 Sec. 21 T. 17S R. 32E Meridian N. M. P. M. County Lea
Location 2615 ft. ^{XX}_{S.} of N. Line and 2615 ft. ^{E.}_{XV.} of W. Line of Sec. 21 Elevation 4054
(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 December 20, 1946 Title Superintendent

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

Commenced drilling August 31, 1946 Finished drilling November 19, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 2356 to 2365 to 2475 No. 4, from 3889 to 3923
2453 to 2475 No. 5, from 3966 to 3980
No. 2, from 3775 to 3797 G No. 6, from 4074 to 4085
No. 3, from 3818 to 3848 No. 7, from 4099 to 4109

IMPORTANT WATER SANDS

No. 1, from 735 to 740 No. 3, from _____ to _____
No. 2, from 2610 to 2618 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—	
<u>8-5/8</u>	<u>24</u>	<u>8 rd</u>	<u>Seamless</u>	<u>883</u>	<u>Regular</u>	<u>None</u>			<u>Water</u>
<u>7</u>	<u>20</u>	<u>8 rd</u>	<u>"</u>	<u>3845</u>	<u>Texas</u>	<u>Float Collar</u>			<u>Oil</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used	
					From—	To—
<u>8-5/8</u>	<u>880</u>	<u>65</u>	<u>Pump</u>		<u>10</u>	<u>Sacks Aquagel</u>
	<u>3814</u>	<u>200</u>	<u>"</u>		<u>15</u>	<u>" "</u>

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
	<u>Not shot</u>					

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 4109 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

Brewer Dlg. Co., Driller G. W. Watta, Driller
J. M. Bean, Driller H. T. Marshall, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>25</u>	<u>25</u>	<u>Sand and Caliche</u>
<u>25</u>	<u>804</u>	<u>779</u>	<u>Red beds</u>
<u>804</u>	<u>995</u>	<u>191</u>	<u>Anhydrite</u>
<u>995</u>	<u>1994</u>	<u>999</u>	<u>Salt</u>
<u>1994</u>	<u>2362</u>	<u>368</u>	<u>Anhydrite</u>
<u>2362</u>	<u>2365</u>	<u>3</u>	<u>Sand</u>
<u>2365</u>	<u>2610</u>	<u>245</u>	<u>Anhydrite</u>
<u>2610</u>	<u>2618</u>	<u>8</u>	<u>Sand</u>
<u>2618</u>	<u>3115</u>	<u>497</u>	<u>Anhydrite</u>
<u>3115</u>	<u>3135</u>	<u>20</u>	<u>Sand</u>
<u>3135</u>	<u>3520</u>	<u>385</u>	<u>Anhydrite & Lime</u>
<u>3520</u>	<u>3780</u>	<u>260</u>	<u>Lime</u>
<u>3780</u>	<u>3814</u>	<u>34</u>	<u>Sand & Sandy lime</u>
<u>3814</u>	<u>4109</u>	<u>295</u>	<u>Lime</u>

To be used as a gas input well.

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

10-43084-2 U. S. GOVERNMENT PRINTING OFFICE