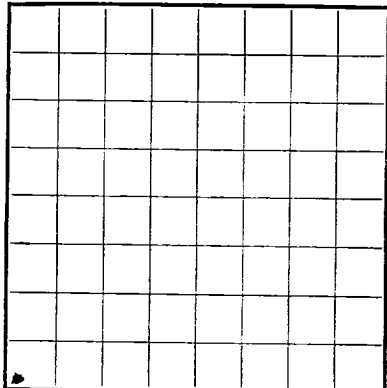


U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 029509-B  
Lease  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Buffalo Oil Company Address Box 265, Artesia, New Mexico  
Lessor or Tract M. E. Baish "B" Field Maljamar State New Mexico  
Well No. IP 10 Sec. 22 T. 17S R. 32E Meridian N. M. P. M. County Lea  
Location 25 ft. <sup>[N.]</sup>~~[S.]~~ of S. Line and 50 ft. <sup>[E.]</sup>~~[W.]~~ of W. Line of Section 22 Elevation 4029'  
(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 August 27, 1947

Title Superintendent

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

Commenced drilling October 9, 1946. Finished drilling August 22, 1947.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3824 to 3900 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3940 to 3972 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4102 to 4128 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-	
<u>8-5/8</u>	<u>24</u>	<u>8 rd</u>	<u>J-55</u>	<u>552</u>	<u>Regular</u>	<u>None</u>	<u>None</u>		<u>Surface</u>
<u>7"OD</u>	<u>20</u>	<u>8 rd</u>	<u>H-40</u>	<u>3777</u>	<u>Float</u>	<u>None</u>			<u>Oil</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>948</u>	<u>75</u>	<u>Pump</u>		<u>15 Sacks Aquagel</u>
<u>7"OD</u>	<u>3746</u>	<u>160</u>	<u>Pump</u>		<u>15 " "</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 or acidized</u>						

TOOLS USED

Rotary tools were used from 3551 feet to 4128 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 3750 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

August 27, 1947. Put to producing NOT TO BE PRODUCED, 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. \_\_\_\_\_

Marshall & Smith **EMPLOYEES** Beckman, Inc.  
J. B. Spencer, Driller J. W. Handley, Driller  
Sep Watts, Driller R. L. Spalding, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	20	20	Sand and caliche
20	830	810	Red beds
830	1005	175	Anhydrite and shale streaks
1005	2005	1000	Salt
2005	2390	385	Anhydrite and shale streaks
2390	2400	10	Yates sand
2400	2475	75	Anhydrite
2475	2500	25	Yates sand
2500	2535	35	Anhydrite
2535	2550	15	Steel line correction
2550	3138	588	Anhydrite and red rock
3138	3155	17	Artesia Red Sand
3155	3455	300	Anhydrite
3455	3470	15	Lime show of gas
3470	3505	35	Anhydrite
3505	3515	10	Lime
3515	3520	5	Bentonite
3520	3750	230	lime
End of Cable Tool Log			
REVERSE CIRCULATION ROTARY LOG			
3551	3570	19	Milling window through casing
3570	3801	231	Lime
3801	3824	23	Hard Lime CORED
3824	3900	76	Lime and Sand
3900	4128	228	Lime

TOTAL DEPTH 4128'

