

DUPLICATE

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG. 20 1951
OIL CONSERVATION COMMISSION
WELLS OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Buffalo Oil Company Address Box 265, Artesia, New Mexico
Lessor or Tract Wm. Mitchell Field Maljamar State New Mexico
Well No. A-14 Sec. 19 T. 17S R. 32E Meridian N M P M County Lea
Location 660 ft. S. of N Line and 1980 ft. W. of E Line of Section 19 Elevation 3962
(Derivat 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 12, 1946

Title Sup't

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

Commenced drilling May 31, 1946 Finished drilling July 25, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3623 to 3715 No. 4, from _____ to _____
No. 2, from 3797 to 3875 No. 5, from _____ to _____
No. 3, from 3975 to 3990 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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>Smls</u>	<u>696</u>	<u>Regular</u>				
<u>7</u>	<u>20</u>	<u>8 rd</u>	<u>Smls</u>	<u>3500</u>	<u>Regular</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>696</u>	<u>50</u>	<u>Pump</u>		<u>10 sacks aquagel</u>
<u>7</u>	<u>3590</u>	<u>150</u>	<u>"</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>4 1/2"</u>	<u>Tin</u>	<u>Nitroglycerin</u>	<u>50 qt</u>	<u>7-26</u>	<u>3990-3975</u>	
<u>4 1/2 & 3"</u>	<u>"</u>	<u>"</u>	<u>220 "</u>	<u>7-27</u>	<u>3875-3797</u>	
<u>3 1/2"</u>	<u>"</u>	<u>"</u>	<u>180 "</u>	<u>7-28</u>	<u>3715-3623</u>	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 4015 feet, and from _____ feet to _____ feet

DATES

July 25, 1946 Put to producing August 1, 1946

The production for the first 24 hours was 46 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 39

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 Drilling Company, BHR G. W. Watts, Driller
H. S. Guinan, Driller H. T. Marshall, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	30	30	Sand and Caliche
30	636	606	Red Beds
636	825	189	Anhydrite
825	1830	1005	Salt
1830	2205	375	Anhydrite
2205	2220	15	Broken Anhydrite and Sand
2220	2585	365	Anhydrite
2585	2590	5	Sand - Show of gas
2590	2990	400	Anhydrite
2990	3005	15	Sand 100 M Gas and trace of oil
3005	3225	220	Anhydrite
3225	3240	15	Pink Lime
3240	3280	40	Lime - Show of oil at 3250
3280	3379	99	Lime and Anhydrite
3379	3620	241	Lime
3620	3633	13	Sandy Lime - Show of oil
3633	4015	382	Lime
4015			Total Depth

On July 25, 1946, this well produced by swabbing 46 barrels of oil with no water.

