

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 20 1951
U.S. CONSERVATION COMMISSION
WILSONS-OFFICE

LOG OF OIL OR GAS

LOCATE WELL CORRECTLY

Company Buffalo Oil Co., et al Address Artesia, New Mexico
 Lessor or Tract Wm. Mitchell B Field Maljamar State New Mexico
 Well No. B-19 Sec. 17 T. 17S R. 32E Meridian N.M.P.M County Lea
 Location 330ft. N of S Line and 1980 ft. EX W of E Line of Sec. 17 Elevation 4014

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 Nov. 13, 1945 Title Superintendent

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

Commenced drilling June 5, 1945 Finished drilling Aug. 20, 1945

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3025 to 3030 G No. 4, from 4108 to 4110
No. 2, from 3795 to 3800 G No. 5, from to
No. 3, from 3845 to 3876 No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 676 to 682 No. 3, from 4144 to 4160
No. 2, from 3118 to 4121 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	SmIs	830	Texas	None			
7-1/2	20	8 rd	SmIs	830	Texas	None			
HISTORY OF OIL ON 12-1-1971									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	832	50	Pump		10 sks aquagel
7"	3819	150	"		None

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		15% acid	3000 gal	9-1-45	4108-4110	
		" "	3000 "	9-20-45	3845-3873	
5"	Tin	Nitroglycerin	120 qts	10-10	3845-3876	3885

TOOLS USED

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

Cable tools were used from 0 feet to 4160 feet, and from _____ feet to _____ feet

DATES

DATES	
_____ 19__	Put to producing <u>Shut in</u> _____ 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 _____

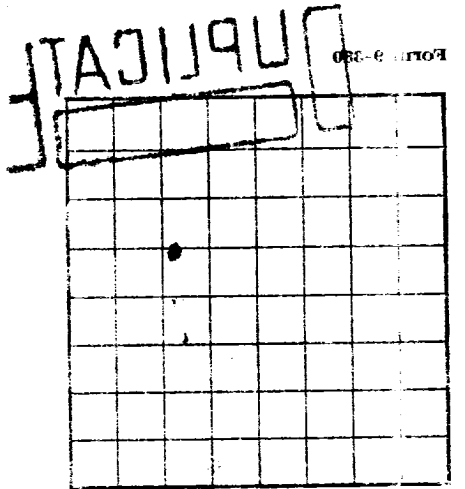
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Sep Watts	Driller	Carl Jorren	Driller
Coleman	Driller	Spencer	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Sand and caliche
20	745	725	Red beds
745	935	190	Anhydrite
935	1900	965	Salt
1900	2265	365	Anhydrite and red beds
2265	2270	5	Sand
2 270	2380	110	Anhydrite
2380	2390	10	Sand
2390	3025	635	Anhydrite and lime streaks
3025	3030	5	Sand
3030	3450	420	Anhydrite
3450	4160	710	Lime
	4160	TOTAL DEPTH	
Plugged back with cement 4160 to 3930.			



LOG OF OIL OR GAS
DEPARTMENT OF THE INTERIOR
UNITED STATES
GEOLOGICAL SURVEY
RECEIVED
AUG 20 1921
ON CONSERVATION COMMISSION
WELLS-Office

Company _____
Address _____
State _____
County _____
Section _____
T. _____ S. _____
R. _____
Location _____
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 _____
Date _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES			
No. 1 from _____	_____	No. 4 from _____	_____
No. 2 from _____	_____	No. 5 from _____	_____
No. 3 from _____	_____	No. 6 from _____	_____
IMPORTANT WATER SANDS			
No. 1 from _____	_____	No. 8 from _____	_____
No. 2 from _____	_____	No. 4 from _____	_____

CASING RECORD			
Kind of pipe	Amount	Kind of shoe	Notes
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

HISTORY OF OIL OR GAS WELL

DATE	STILL USED	EXPENSE USED	QUANTITY	DEPTH SHOT	DEPTH CLEANED OUT
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

TOOLS USED			
Rotary tools were used from _____	_____	feet to _____	_____
Cable tools were used from _____	_____	feet to _____	_____
DATES			
Put to production _____	_____	_____	_____
Production for the first 24 hours was _____	_____	_____	_____
_____ water; and _____ sediment.	_____	_____	_____
It gas well, cut ft. per 24 hours _____	_____	_____	_____
Block pressure, lbs. per sq. in. _____	_____	_____	_____

EMPLOYEES	
Driller _____	_____
Driller _____	_____

FORMATION RECORD			
FROM	TO	TOTAL FEET	FORMATION
0	20	20	Red bed
20	25	45	Red bed
25	35	60	Red bed
35	45	80	Red bed
45	55	100	Red bed
55	65	120	Red bed
65	75	140	Red bed
75	85	160	Red bed
85	95	180	Red bed
95	105	200	Red bed
105	115	220	Red bed
115	125	240	Red bed
125	135	260	Red bed
135	145	280	Red bed
145	155	300	Red bed
155	165	320	Red bed
165	175	340	Red bed
175	185	360	Red bed
185	195	380	Red bed
195	205	400	Red bed
205	215	420	Red bed
215	225	440	Red bed
225	235	460	Red bed
235	245	480	Red bed
245	255	500	Red bed
255	265	520	Red bed
265	275	540	Red bed
275	285	560	Red bed
285	295	580	Red bed
295	305	600	Red bed
305	315	620	Red bed
315	325	640	Red bed
325	335	660	Red bed
335	345	680	Red bed
345	355	700	Red bed
355	365	720	Red bed
365	375	740	Red bed
375	385	760	Red bed
385	395	780	Red bed
395	405	800	Red bed
405	415	820	Red bed
415	425	840	Red bed
425	435	860	Red bed
435	445	880	Red bed
445	455	900	Red bed
455	465	920	Red bed
465	475	940	Red bed
475	485	960	Red bed
485	495	980	Red bed
495	505	1000	Red bed
505	515	1020	Red bed
515	525	1040	Red bed
525	535	1060	Red bed
535	545	1080	Red bed
545	555	1100	Red bed
555	565	1120	Red bed
565	575	1140	Red bed
575	585	1160	Red bed
585	595	1180	Red bed
595	605	1200	Red bed
605	615	1220	Red bed
615	625	1240	Red bed
625	635	1260	Red bed
635	645	1280	Red bed
645	655	1300	Red bed
655	665	1320	Red bed
665	675	1340	Red bed
675	685	1360	Red bed
685	695	1380	Red bed
695	705	1400	Red bed
705	715	1420	Red bed
715	725	1440	Red bed
725	735	1460	Red bed
735	745	1480	Red bed
745	755	1500	Red bed
755	765	1520	Red bed
765	775	1540	Red bed
775	785	1560	Red bed
785	795	1580	Red bed
795	805	1600	Red bed
805	815	1620	Red bed
815	825	1640	Red bed
825	835	1660	Red bed
835	845	1680	Red bed
845	855	1700	Red bed
855	865	1720	Red bed
865	875	1740	Red bed
875	885	1760	Red bed
885	895	1780	Red bed
895	905	1800	Red bed
905	915	1820	Red bed
915	925	1840	Red bed
925	935	1860	Red bed
935	945	1880	Red bed
945	955	1900	Red bed
955	965	1920	Red bed
965	975	1940	Red bed
975	985	1960	Red bed
985	995	1980	Red bed
995	1005	2000	Red bed

FORMATION RECORD			
FROM	TO	TOTAL FEET	FORMATION
0	20	20	Red bed
20	25	45	Red bed
25	35	60	Red bed
35	45	80	Red bed
45	55	100	Red bed
55	65	120	Red bed
65	75	140	Red bed
75	85	160	Red bed
85	95	180	Red bed
95	105	200	Red bed
105	115	220	Red bed
115	125	240	Red bed
125	135	260	Red bed
135	145	280	Red bed
145	155	300	Red bed
155	165	320	Red bed
165	175	340	Red bed
175	185	360	Red bed
185	195	380	Red bed
195	205	400	Red bed
205	215	420	Red bed
215	225	440	Red bed
225	235	460	Red bed
235	245	480	Red bed
245	255	500	Red bed
255	265	520	Red bed
265	275	540	Red bed
275	285	560	Red bed
285	295	580	Red bed
295	305	600	Red bed
305	315	620	Red bed
315	325	640	Red bed
325	335	660	Red bed
335	345	680	Red bed
345	355	700	Red bed
355	365	720	Red bed
365	375	740	Red bed
375	385	760	Red bed
385	395	780	Red bed
395	405	800	Red bed
405	415	820	Red bed
415	425	840	Red bed
425	435	860	Red bed
435	445	880	Red bed
445	455	900	Red bed
455	465	920	Red bed
465	475	940	Red bed
475	485	960	Red bed
485	495	980	Red bed
495	505	1000	Red bed
505	515	1020	Red bed
515	525	1040	Red bed
525	535	1060	Red bed
535	545	1080	Red bed
545	555	1100	Red bed
555	565	1120	Red bed
565	575	1140	Red bed
575	585	1160	Red bed
585	595	1180	Red bed
595	605	1200	Red bed
605	615	1220	Red bed
615	625	1240	Red bed
625	635	1260	Red bed
635	645	1280	Red bed
645	655	1300	Red bed
655	665	1320	Red bed
665	675	1340	Red bed
675	685	1360	Red bed
685	695	1380	Red bed
695	705	1400	Red bed
705	715	1420	Red bed
715	725	1440	Red bed
725	735	1460	Red bed
735	745	1480	Red bed
745	755	1500	Red bed
755	765	1520	Red bed
765	775	1540	Red bed
775	785	1560	Red bed
785	795	1580	Red bed
795	805	1600	Red bed
805	815	1620	Red bed
815	825	1640	Red bed
825	835	1660	Red bed
835	845	1680	Red bed
845	855	1700	Red bed
855	865	1720	Red bed
865	875	1740	Red bed
875	885	1760	Red bed
885	895	1780	Red bed
895	905	1800	Red bed
905	915	1820	Red bed
915	925	1840	Red bed
925	935	1860	Red bed
935	945	1880	Red bed
945	955	1900	Red bed
955	965	1920	Red bed
965	975	1940	Red bed
975	985	1960	Red bed
985	995	1980	Red bed
995	1005	2000	Red bed