

Form 9-330

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **029509-A**
LEASE **on** **Drill-to-Production**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FEB 28 1956

DEEPENING RECORD
LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Buffalo Oil Company** Address **203 Carper Bldg.**
Lessor or Tract **Baish "A"** Field **Naljanar** State **New Mexico**
Well No. **24** Sec. **22** T. **17S** R. **32E** Meridian **NMPM** County **Lea**
Location **2310** ft. **NE** of **N** Line and **330** ft. **NE** of **W** Line of **Sec. 22** Elevation **4011**
(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 **Max E. Curry**

Date **Feb. 27, 1956** Title **Dist. Supt.**

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

Commenced drilling **Jan. 28**, 19**56** Finished drilling **Feb. 15**, 19**56**

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

No. 1, from **3420** to **3436** No. 4, from **3813** to **3845**
No. 2, from **3480** to **3521** No. 5, from **3867** to **3896**
No. 3, from **3542** to **3772** No. 6, from **3950** to **4010**

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—	
10 3/4"	80'								
7"	2289	125							
5"	2167-4084	120 (Liner)							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	80'	95	HOWCO		
7"	2289	125	HOWCO		
5"	2167-4084	120 (Liner)	Liner		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from **2351** feet to **4085** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Feb. 22, 19**56** Put to producing **Feb. 21**, 19**56**
The production for the first 24 hours was **232** barrels of fluid of which **100**% was oil; **0**%
emulsion; **0**% water; and **0.3**% 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

_____, Driller **A. E. Sullivan**, Driller
Geo. C. McDaniels, Driller
M. C. Neithereutt, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2351	2426		Anhy. & Gyp
2426	2653		Anhy
2653	3056		Anhy. & Gyp
3056	3082		Anhy & lime
3082	3135		Anhy & shale
3135	3174		Anhy & Gyp
3174	3254		Anhy & Lime
3254	3283		Anhy & Gyp
3283	3400		Anhy
3400	4085		Dolomite, lime w/interbedded streaks of sand and sandy dolomite.

LEOW—

LO—

LOLYT REEL [OVER]

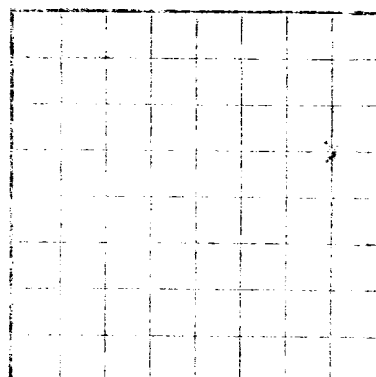
LOBYTLYLOZ

16-43094-3

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



LOCATE WELL CORRELATE

The information given herewith is a complete and correct record of the well and all work done thereon
to date can be determined from all available records.

Signed _____

Location Section # _____ of Range and Township _____
Well No. _____ Sec. _____ T. _____ R. _____
Lessor or Trust _____
County _____ State _____ Company _____

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

Continued on next page

OIL OR GAS SALES OR ZONES

At the same time, the

Year	From	To	From	To	From	To
1960	1960	1961	1961	1962	1962	1963
1963	1963	1964	1964	1965	1965	1966
1966	1966	1967	1967	1968	1968	1969
1969	1969	1970	1970	1971	1971	1972
1972	1972	1973	1973	1974	1974	1975
1975	1975	1976	1976	1977	1977	1978
1978	1978	1979	1979	1980	1980	1981
1981	1981	1982	1982	1983	1983	1984
1984	1984	1985	1985	1986	1986	1987
1987	1987	1988	1988	1989	1989	1990
1990	1990	1991	1991	1992	1992	1993
1993	1993	1994	1994	1995	1995	1996
1996	1996	1997	1997	1998	1998	1999
1999	1999	2000	2000	2001	2001	2002
2002	2002	2003	2003	2004	2004	2005
2005	2005	2006	2006	2007	2007	2008
2008	2008	2009	2009	2010	2010	2011
2011	2011	2012	2012	2013	2013	2014
2014	2014	2015	2015	2016	2016	2017
2017	2017	2018	2018	2019	2019	2020
2020	2020	2021	2021	2022	2022	2023
2023	2023	2024	2024	2025	2025	2026
2026	2026	2027	2027	2028	2028	2029
2029	2029	2030	2030	2031	2031	2032
2032	2032	2033	2033	2034	2034	2035
2035	2035	2036	2036	2037	2037	2038
2038	2038	2039	2039	2040	2040	2041
2041	2041	2042	2042	2043	2043	2044
2044	2044	2045	2045	2046	2046	2047
2047	2047	2048	2048	2049	2049	2050
2050	2050	2051	2051	2052	2052	2053
2053	2053	2054	2054	2055	2055	2056
2056	2056	2057	2057	2058	2058	2059
2059	2059	2060	2060	2061	2061	2062
2062	2062	2063	2063	2064	2064	2065
2065	2065	2066	2066	2067	2067	2068
2068	2068	2069	2069	2070	2070	2071
2071	2071	2072	2072	2073	2073	2074
2074	2074	2075	2075	2076	2076	2077
2077	2077	2078	2078	2079	2079	2080
2080	2080	2081	2081	2082	2082	2083
2083	2083	2084	2084	2085	2085	2086
2086	2086	2087	2087	2088	2088	2089
2089	2089	2090	2090	2091	2091	2092
2092	2092	2093	2093	2094	2094	2095
2095	2095	2096	2096	2097	2097	2098
2098	2098	2099	2099	2100	2100	2101
2101	2101	2102	2102	2103	2103	2104
2104	2104	2105	2105	2106	2106	2107
2107	2107	2108	2108	2109	2109	2110
2110	2110	2111	2111	2112	2112	2113
2113	2113	2114	2114	2115	2115	2116
2116	2116					

IMPORTANT WATER SALES

1990-1991

See Well History attached.

[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

U. S. GOVERNMENT PRINTING OFFICE 16-50947-2

FROM	TO	TOTAL FEET	FORMATION
10-1004			

FORMATION RECORD—Continued

WELL HISTORY

This well was originally completed in the vertical limits of the Baish Pool, but was deepened to a total depth of 4085' and re-completed in the Maljamar Pool.

The well was cored from 3400 to 4085' with a 6 1/8" diamond core bit and a ~~salt-starch-gel~~ mud was used. Upon reaching total depth a 5" OD, J-55, 8 rd. SS liner was run to 4084', hung at 2167' and cemented with 120 sac 4% gel regular Portland cement by the two plug process. The cement circulated into the 7" OD casing.

After 36 hours the plug was drilled out and the liner tested for thirty minutes at 1000 psi., tested O.K. Lane-Wells radioactivity logs were run and the 5" OD liner was perforated from 3900-3894, 3887-3863'. This interval is the 7th zone as designated by the U.S.G.S. The above perforations were fractured with 4000 gallons Western Control-Frac. The formation was broken down with 10 bbls. lease crude at 3100 psi. at 5 BPM. The treatment was injected at 3800 psi. at 6.4 BPM down 2 3/8" OD tubing below a packer. The treatment was flushed with 116 bbls. of lease oil at 3700 psi. at 6 BPM. The well was shut in with 1500 psi. on the tubing, 30 minutes later it was 1200 psi.

After being shut in 16 hours, the well was opened and 238 bbls. of load oil was recovered in approximately 14 hours on a 32/64" choke, with TP of 390 psi. The second day the well flowed 232 bbls. new formation oil on 33/64" choke, TP 320. The well was placed on the proration schedule at 39 BOPD on February 21, 1956. Allocation based on NCRA formula.

VERIFICATION

The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, for the purpose of verifying the accuracy of the information furnished by the applicant.

The records of the Department of the Interior, Bureau of Land Management, show that the land described in the application is owned by the United States of America, and is located in the County of [redacted] State of [redacted].

The land described in the application is situated in the [redacted] Section, [redacted] Township, [redacted] Range, [redacted] County, [redacted] State of [redacted]. The land is bounded on the north by [redacted], on the south by [redacted], on the east by [redacted], and on the west by [redacted].

The land described in the application is situated in the [redacted] Section, [redacted] Township, [redacted] Range, [redacted] County, [redacted] State of [redacted]. The land is bounded on the north by [redacted], on the south by [redacted], on the east by [redacted], and on the west by [redacted].