

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

SANDS OFFICE OCC
HOBBS New Mexico1954 MAY 10 AM 7:40
WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Buffalo Oil Company

(Company or Operator)

M. E. Baish A

(Lease)

Well No. 25-8, in SE $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 21, T. 17S, R. 32E, NMPM.~~Willcox~~ Lea County.Well is 1780 feet from North line and 1780 feet from West lineof Section 21. If State Land the Oil and Gas Lease No. is FederalDrilling Commenced Nov. 1, 1953 Drilling was Completed April 19, 1954Name of Drilling Contractor Delta Gulf Drilling Co.Address Odessa, TexasElevation above sea level at Top of Tubing Head 4069 DF. The information given is to be kept confidential until _____, 19____.

OIL SANDS OR ZONES

No. 1, from 11,635 to 11,652 No. 4, from _____ to _____No. 2, from 8,995 to 9,000 No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.

No. 2, from _____ to _____ feet.

No. 3, from _____ to _____ feet.

No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	36#	New	160'	plain			Surface
9 5/8"	36#	New	4181	float			Salt
5 1/2"	17,20,23	New	11,805	"		11616-660	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/4	13 3/8	178'	160	Pump	-	-
12 1/4	9 5/8	4198	3370	"	-	-
8 3/4	5 1/2	11,813	1850	2 Stage	-	-

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized with 2,000 gals., then 4,000 gals. through perforations from
11,616 -660. After first acid treatment flowed 814 bbl. oil in 24 hrs.

Result of Production Stimulation _____

Depth Cleaned Out 11,690

ORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from Surface feet to 12,780 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing April 30, 1954

OIL WELL: The production during the first 24 hours was 814 barrels of liquid of which 99.8% was
was oil; % was emulsion; % water; and .2% was sediment. A.P.I.
Gravity 44.20

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy. 820	T. Devonian	T. Ojo Alamo
T. Salt. 965	T. Silurian	T. Kirtland-Fruitland
B. Salt. 2050	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres 3825	T. Granite	T. Dakota
T. Glorieta 5390	T. Hueco 9140	T. Morrison
T. Drinkard	T. Strawn 11,515	T. Penn
T. Tubbs 6890	T.	T.
T. Abo 7590	T.	T.
T. Penn 9960	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	121		Sand & caliche				
121	820		red bed				
820	965		anhydrite				
965	2050		salt				
2050	3667		anhydrite				
3667	4765		lime				
4765	5400		lime & sand				
5400	8406		dolomite				
8406	8538		lime & dolomite				
8538	8728		shale & dolomite				
8728	9125		dolomite				
9125	10141		lime & shale				
10141	10677		lime & chert				
10677	12780		lime & shale				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator Buffalo Oil Company
Name H. G. Ellis

Address Artesia, New Mexico
Position or Title Vice President
Date May 8, 1954

DRILL STEM TESTS

- #1 5398-5470, Open 4½ hrs. good blow. Gas to surface in 35 min. Estimated 100 MCF/D. Recovered 184' heavily oil and gas out mud plus 276' slight water and mud out oil plus 1200' salty sulfur water (117,000 ppm. Cl.) FP 120-770. 30 min. shut in pressure 1630.
- #2 5473-80 open 3 hrs. good to fair blow. Recovered 1810' gas in drill pipe plus 60' oil and gas out mud plus 92' slight oil and gas out sulfur water plus 430' salty sulfur water. FP 25-261. 20 min. SIP 1129.
- #3 8969-95, open 4 hrs. 550' water blanket. Strong blow, gas to surface in 8 min. Water blanket in 30 min. Oil in 33 min. Flowed 115½ bbls. oil in 3½ hrs. Gas-oil ratio 2100. Reversed out 21½ bbls. oil. 42.5° gravity. FP 515 -1020. 30 min. SIP 2615.
- #4 8704-60, open 2 hrs. Recovered 30' mud below valve. Recovery above valve unknown due to pump out plug failure. FP 140-220, No SIP.
- #5 9017-40, open 2½ hrs. good to weak blow. Recovered 2400' gas in pipe plus 360' slight gas out mud plus 2100' salty sulfur water out with oil and gas. FP 270-1100 15 min. SIP 2000.
- #6 9314-9498, open 3 hrs. slight blow. Recovered 190' slight gas out mud with some of oil plus 600' mud. FP 80-310. 15 min. SIP 570.
- #7 9524-9651, open 45 min. Slight blow died. Recovered 170' mud. FP 45, 15 min. SIP 105.
- #8 9857-76, open 45 min. good to weak blow. Recovered 90' mud plus 200' oil and gas out mud plus 10' free oil. FP 50-110, 15 min. SIP 620.
- #9 9853-9994, open 6 hrs. good blow. Gas to surface in 50 min. Recovered 770' heavily oil and gas out mud plus 100' heavily mud out oil. FP 62-213, No SIP.
- #10 10,001-200, open 2 hrs. weak blow. Recovered 430' water blanket plus 210' mud. FP 215-298, 15 min. SIP 935.
- #11 10,742-800, open 6 hrs. good blow. Gas to surface in 3 hrs. 10 min. Small volume. 16 stands unloaded while pulling. Recovered estimated 1290' water blanket plus 450' oil and gas out mud plus 730' mud out oil plus 120' clean oil. FP 715-1090, 15 min. SIP 1240.

- #12 10,892-11,041, Open 2 hrs. weak blow, died in 1 hr. Recovered 1290' mud and gas cut water blanket plus 120' gas cut mud with scum of oil. FP 692, SIP 900.
- #13 11,576-673, 2160' water blanket. Open 4 hrs. 52 min. 5/8" sur. ch. Gas to surface in 40 min. Water blanket in 1 hr. 20 min. Oil in 1 hr. 40 min. Flowed 151 bbls. oil in 3 hrs. 43.4° gravity. GAS-Oil ratio 757. Reversed out 64 bbls. oil. FP 1230-2560, 65 min. SIP 5580.
- #14 12,542-710, open 1 hr. 46 min. Recovered 3150' water blanket plus 240' mud. FP 1515-1590.
- #15 12,646-765, Open 3 hrs. weak blow died in 23 min. Recovered water blanket plus 120' slightly gas cut mud. FP 1575, 30 min. SIP 1775.

CORING

- #1 8995-9015 Recovered 20'. Top 5' lime, bottom 15' dolomite with scattered fractures, good fluorescence.
- #2 9020-40 Recovered 19' dolomite with 10' showing stain and slight to good vuggy porosity.
- #3 10,775-799 Recovered 23½' hard dense lime.
- #4 10,870-890 Recovered 19½'. Top 4' lime with good vuggy porosity bleeding oil and salt water. Rest shale.
- #5 10,890-914 Recovered 24' shale.
- #6 10,930-949 Recovered 18' shale with lime stringers bleeding oil from fractures. Slight porosity.
- #7 10,950-962 Recovered 12' shale with lime stringers.
- #8 11,651-673 Recovered 19½'. Top 1½' very porous lime with good odor. Rest of core shale.