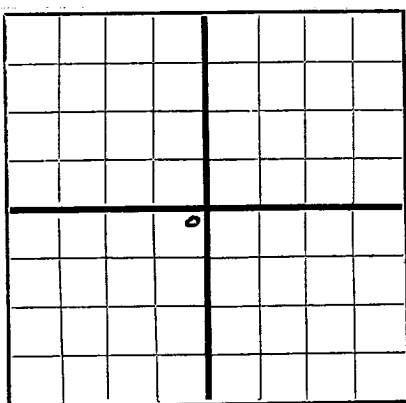


NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

BUFFALO OIL COMPANY **Box 517 Artesia, New Mexico**
Company or Operator Address
Wm. Mitchell "B" Well No. **IP 5** in **NE SW** of Sec. **20**, T. **17 S**
Lease
R. **SE E**, N. M. P. M. **Maljamar** Field, **Lee** County.
Well is **2445** feet south of the North line and **2670** feet west of the East line of **Sec. 20**
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Address
If Government land the permittee is **Wm. Mitchell** Address
The Lessee is **Buffalo Oil Company** Address **Dallas, Texas**
Drilling commenced **October 1, 1948** 19 Drilling was completed **November 27, 1948**
Name of drilling contractor **Brewer Drilling Company** Address **Artesia, New Mexico**
Elevation above sea level at **2670'** **Barriack floor which is 2' above ground level.**
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from **3671** to **2626** No. 4, from **3935** to **4039**
No. 2, from **3786** to **3824** No. 5, from to
No. 3, from **3941** to **3975** 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 **None** to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
10.75"	40.54	8-rd	H-40	51'	Regular	None			Conductor
7"	20 1/2	8-rd	J-55	2445'	Floot Collar & Bag	None			Oil

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/2"	10.75	57'	45	Pump		None
8"	7" OD	2420'	250	Pump		8 Sacks Aquagel

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length Depth Set
Adapters — Material **None** Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
3-1/2	Tin	Nitroglycerin	50 qts	12/1-48	3671/3626	4039'

Results of shooting or chemical treatment **Unknown. This well was shot to open up the 6th zone so that it will take gas more freely. Injection not yet started.**

RECORD 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 feet to feet, and from feet to feet
Cable tools were used from **0** feet to **4039'** feet, and from feet to feet

PRODUCTION

Put to producing **Repressuring gas injection well**
The production of the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, Be.
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 Driller **Lee Dodd** Driller
R. A. Roman Driller **H. T. Marshall** Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this **12**

day of **January**, 19 **49**

Luanta Denton
Notary Public

My Commission expires **August 28, 1949**

Artesia, New Mexico **Jan. 12, 1949**

Name **H. T. Marshall**

Position **Superintendent**

Representing **Buffalo Oil Company**

Address **Artesia, New Mexico**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	10	10	Sand
10	45	35	Caliche
45	695	650	Red Beds
690	720	30	Anhydrite
720	725	5	Red Beds
725	840	115	Anhydrite
840	875	35	Red Beds
875	1695	820	Salt
1695	1725	30	Anhydrite
1725	1855	130	Salt
1855	1925	70	Anhydrite
1925	1945	20	Salt
1945	2235	290	Anhydrite
2235	2240	5	Sand Show of nit gas
2240	2430	190	Anhydrite
2430	2435	5	Sand Show of nit gas
2435	3041	606	Anhydrite Gas at 2545
3041	3054	13	Artesian Red Sand Show of gas
3054	3130	76	Anhydrite
3130	3314	184	Anhydrite and lime shells
3314	3332	18	Lime
3332	3363	31	Anhydrite
3363	3573	210	Lime
3573	3633	60	Sand
3633	4039	406	Lime
Total Depth 4039			

This well was drilled and will be used for a Supersuring Gas Injection well and not as an oil production well.

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