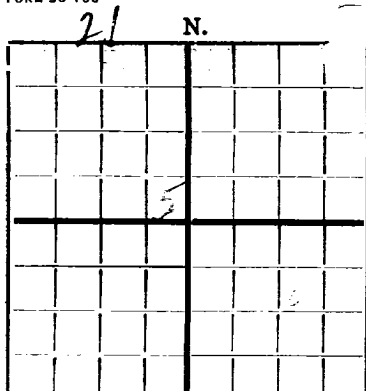




DEPARTMENT OF THE STATE GEOLOGIST

NEW MEXICO SCHOOL OF MINES
Socorro, New Mexico

WELL RECORD

Mail to State Geologist, Socorro, New Mexico, not more than ten days
after completion of well. Indicate questionable data by fol-
lowing it with (?). Submit in duplicate.

Company **Empire Gas & Fuel** Address **Carlsbad, New Mexico**

Send correspondence to **D.D. Bodie** Address **Box 682**

Well No. **3 B** in **NE SE** of Sec. **5**, T. **21**

R. **35**, N. M. P. M., **Carlsbad** Oil Field **Lea** County.

If State land the oil and gas lease is No. **987** Assignment No. _____

If patented land the owner is _____ Address _____

The lessee is _____ Address _____

If not state or patented land, give status _____

Drilling commenced **Aug. 17, 1929** 19____ Drilling was completed **Jan. 31, 1930** 19____

Name of drilling contractor **H. & D. Drilling Co.** Address **Carlsbad, N. Mex.**

Elevation above sea level at top of casing _____ feet.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from **none** to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

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

IMPORTANT WATER SANDS

No. 1, from **450** to **470** No. 3, from _____ to _____

No. 2, from **1050** to **1070** No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED FROM TO	PURPOSE
20"	90	8	M&L	101'	Tex. Pat	left in		
15½"	70	8	"	635'	"	635'		
12½"	50	8	"	850'	"	850'		
10"	40	8	"	1500'	"	1500'		
8½"	32	10	"	3630'	"	3347'		
6 5/8"	24	10	"	4631'	"	4181'		

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
8½"	3630'	75	Hallibarton		
6 5/8"	4631'	25	"		

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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from **0** feet to **4635** feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **Dry hole**, 19____

The production for 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. _____

EMPLOYES

Frank Miller, Driller _____, Driller

Paul Simpson, Driller _____, 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 **10th**
day of **March**, 19**30**
Frank Miller
Notary Public

Name **Leo M. Sries**
Position **Field Clerk**
Empire Gas & Fuel Co.

FORMATION RECORD

From	to	Thickness in Feet	Formation
0	18	18	Caliche.
18	60	42	Sand.
60	430	370	Red Bed.
430	470	40	Water sand.
470	925	455	Red Rock.
925	950	25	Sandy lime.
950	955	5	Red rock.
955	985	30	Sand.
985	1050	70	Red rock and sand.
1050	1070	20	Water sand.
1070	1150	80	Sand.
1150	1170	20	Red rock.
1170	1250	80	Red sand.
1250	1265	15	Red rock.
1265	1455	270	Red sand.
1455	1475	20	Sand and shale.
1475	1500	25	Red sand.
1500	1525	25	Shale and sand.
1525	1590	65	Red sand.
1590	1685	95	Red rock and sand.
1685	1720	35	Red sand.
1720	1840	120	Anhydrite.
1840	1910	70	Salt.
1910	1960	50	Anhydrite.
1960	1970	10	Red rock.
1970	2000	30	Anhydrite.
2000	2065	65	Salt and red rock.
2065	2080	15	Anhydrite.
2080	2095	15	Red rock and salt.
2095	2135	40	Salt.
2135	2145	10	Anhydrite.
2145	2190	45	Salt.
2190	2225	35	Anhydrite.
2225	2305	80	Salt.
2305	2350	45	Anhydrite.
2350	2360	10	Salt and Potash.
2360	2375	15	Anhydrite.
2375	2415	40	Salt and Potash.
2415	2430	15	Anhydrite.
2430	2440	10	Salt and Potash.
2440	2450	10	Anhydrite.
2450	2590	140	Salt and Potash.
2590	2650	60	Anhydrite.
2650	2710	60	Salt and Potash.
2710	2860	150	Salt.
2860	2885	25	Anhydrite.
2885	2920	35	Salt.
2920	3105	185	Salt and potash.
3105	3140	35	Anhydrite.
3140	3185	45	Salt and anhydrite.
3185	3245	60	Salt.
3245	3260	15	Anhydrite.
3260	3295	35	Salt.
3295	3480	185	Anhydrite.
3480	3520	40	Grey lime.
3520	3535	15	Red rock.
3535	3630	95	Anhydrite.
3630	3695	65	Broken anhydrite. (Show oil 3805 to 3820)
3695	3820	125	Lime and anhydrite.
3820	3880	60	Lime hard.
3880	3890	10	Sandy lime (Water at 3880).
3890	3895	5	Lime - white.
3895	4056	162	Lime - white.
4056	4077	21	Lime - brown.
4077	4203	126	Lime - white.
4203	4213	10	Sandy lime.
4213	4284	71	Lime, gray and white. Corrected measure - 4280.
4284	4294	10	Water sand.
4280	4285	5	Gray lime.
4285	4293	8	Sandy lime.
4293	4390	97	White lime.
4390	4405	15	Water sand.
4405	4440	35	Lime, gray.
4440	4447	7	Sandy lime.
4447	4461	14	Water sand.
4461	4469	8	Sandy lime.
4469	4547	78	White lime.
4547	4557	10	Sandy lime.
4557	4565	8	Brown sandy lime.
4565	4580	15	Shale and sandy lime.
4580	4631	51	Lime. Set 6-5/8 casing.
4631	4695	64	Lime.

3820
3630
190