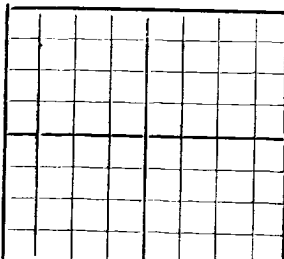


N.

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, 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 and Fuel Co. (Mo.)** Address **Bartlesville, Oklahoma**
Send correspondence to **Empire Gas and Fuel Co.** Address **Drawer G. Hobbs, New Mexico**
State C-1 Well No. **1** in **SW $\frac{1}{4}$** of Sec. **16**, T. **21S**,
R. **36E**, N. M. P. M., **Sanico** Oil Field **Lea** County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is _____ Address _____
The lessee is _____ Address _____
If not state or patented land, give status _____
Drilling commenced **5-20** 19 **35** Drilling was completed **7-14** 19 **35**
Name of drilling contractor **Olson Drilling Company** Address **Tulsa, Oklahoma**
Elevation above sea level at top of casing **3610** feet.
The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from **3855** to **3912** 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 _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
12$\frac{1}{2}$	50	8		57					
9 5/8	40	10		1727					
7	24	10		3764					
3 US	9.3	10		3902					

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12$\frac{1}{2}$	57	50 sacks	Halliburton		
9 5/8	1727	500 "	"		
7	3764	200 "	"		

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
Treated with 2000 gallons Acid 7-12-35						

TOOLS USED

Rotary tools were used from **0** feet to **3912** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **7-14-35**, 19 _____
The production of the first 24 hours was **3360** barrels of fluid of which **1000** % 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

H. L. Iske _____, Driller **John Mirkholt** _____, Driller
J. R. Pearce _____, 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 **15th** Name **W. H. Hankins**
day of **July**, 19 **35** Position **District Clerk**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	57	57	Caliche
57	242	185	Shale and shells
242	354	112	Red bed and broken red rock
354	400	46	Hard red rock and red bed
400	500	100	Shale and shells
500	535	35	Sand and red rock
535	570	35	Red beds
570	622	52	Red beds and red rocks
622	729	107	Red Bed
729	819	90	Red bed and broken red rock
819	912	93	Red bed.
912	949	37	Red bed and red rock
949	969	20	Shale
969	1027	58	Red bed and streaks of sand
1027	1087	60	Red bed
1087	1151	64	Shale and red rock
1151	1236	85	Red bed sand and shells
1236	1277	41	Red bed and hard red rock
1277	1290	13	Red Bed.
1290	1440	150	Anhydrite and shale
1440	1454	14	Shale
1454	1530	76	Red bed and shells
1530	1569	39	Anhydrite and salt
1569	1686	117	Broken anhydrite salt and red bed
1686	1719	33	Anhydrite
1719	1735	16	Salt
1735	2219	484	Salt and anhydrite
2219	2230	11	Anhydrite
2230	2240	10	Salt
2240	2438	98	Salt and anhydrite
2438	2450	12	Anhydrite
2450	2470	20	Salt
2470	2485	15	Salt and anhydrite
2485	2605	120	Shells and salt
2605	2742	137	Salt and anhydrite
2742	2749	7	Brown lime
2749	2805	56	Anhydrite and salt
2805	2823	18	Anhydrite and potash
2823	2960	137	Anhydrite
2960	2979	19	Brown lime and anhydrite
2979	2980	1	Lime and anhydrite
2980	3003	23	Shale and anhydrite
3003	3063	60	Anhydrite and lime
3063	3075	12	Anhydrite
3075	3081	6	Lime
3081	3109	28	Lime and anhydrite
3109	3121	12	Broken sand and lime
3121	3140	19	Sand and lime
3140	3153	13	Lime
3153	3165	12	Sand
3165	3185	20	Lime and sand
3185	3202	17	Hard lime
3202	3220	18	Brown lime
3220	3225	15	Lime
3225	3273	38	Lime and sand
3272	3365	92	Hard gray lime
3365	3375	10	Brown lime
3375	3382	7	Lime and anhydrite
3382	3385	3	Hard brown lime
3385	3462	77	Lime
3462	3547	85	Brown lime
3547	3561	14	Brown lime gray and red shale
3561	3590	29	Brown lime
3590	3620	30	Gray sandy lime (show gas)
3620	3626	6	Gray sandy lime
3626	3641	15	Hard brown lime
3641	3650	9	Sandy lime
3650	3662	12	Gray lime
3662	3670	8	Lime brown and black
3670	3677	7	Brown lime
3677	3708	231	Brown and gray lime
3708	3729	21	Brown lime streaks of blue shale
3729	3750	21	Brown sandy lime
3750	3761	11	Lime
3761	3771	10	Lime and shale
3771	3773	2	Steel line correction
3773	3782	9	Gray lime
3782	3810	28	Brown and gray lime
3810	3839	29	Gray lime
3839	3852	13	Lime (core)
3852	3856	4	Lime (core)
3856	3872	16	Gray sandy lime
3872	3902	30	Lime
3902	3912	10	Lime