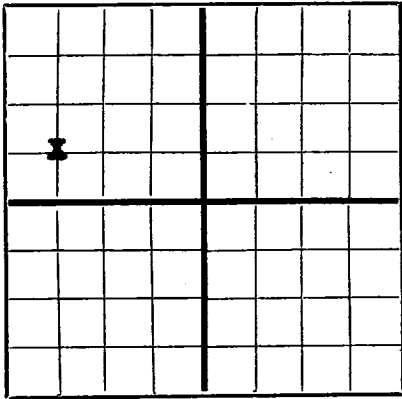


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FORM C-105

DUPLICATE

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 TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Delfern Oil Company, 607 Lubbock National Building, Lubbock, Texas
Company or Operator Address
Lea-State "A" Well No. **4** in **SW¹₄ NW¹₄** of Sec. **8**, T. **-17-S**, R. **-34-E**
Lease
N. M. P. M., **Vacuum** Field, **Lea** County.
Well is **1650** feet south of the North line and **330** feet west of the East line of **Section 8, T-17-S, R-34-E**.
If State land the oil and gas lease is No. **E-1085** Assignment No. **1**
If patented land the owner is _____, Address _____
If Government land the permittee is _____, Address _____
The Lessee is **Jack Markham**, Address **Lubbock, Texas**
Drilling commenced **July 26, 1948** Drilling was completed **August 31, 1948**
Name of drilling contractor **Geo. P. Livermore, Inc.**, Address **Lubbock, Texas**
Elevation above sea level at top of casing **4095** feet.
The information given is to be kept confidential until **Not confidential** 19____

OIL SANDS OR ZONES

No. 1, from **4641'** to **4651'** No. 4, from _____ to _____
No. 2, from _____ to _____ 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
8-5/8"	28#	8rd	Nat'l.	302'					Surface
5-1/2"	14#	8rd	Nat'l.	4622'					Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
10 5/8"	8-5/8"	302'	150	Pump & Plug		
7-5/8"	5-1/2"	4622'	900	Pump & Plug		

PLUGS AND ADAPTERS

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

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
1000 gal.		Acid	1000 gals.	9/2/48	4634-4654	

Results of shooting or chemical treatment **Swabbed and flowed 50 barrels in 24 hours.**

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 **0** feet to **4630** feet, and from _____ feet to _____ feet
Cable tools were used from **4630** feet to **4654** feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **September 2, 1948**
The production of the first 24 hours was **45** barrels of fluid of which **98** % was oil; **2** % emulsion; _____ % water; and _____ % sediment. Gravity, Be. **37°**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

Rotary **EMPLOYEES** **C. Tools**
J. C. Coomes, Driller **G. E. Arnold, C. C. Jameson**, Driller
Boyes Thompson, Driller **T. E. Lisenbee**, Driller
L. M. Smith

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 **9th** day of **September**, 19 **48**
[Signature]
Notary Public in and for Lubbock County, Texas.
My Commission expires **June 1, 1949**

Lubbock, Texas **September 2, 1948**
Name *[Signature]*
Position **Production Superintendent**
Representing **Delfern Oil Company**
Address **607 Lubbock National Building, Lubbock, Texas**

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	324	324	Surface
324	1246	922	Red bed
1246	1509	263	Red bed and shells
1509	1687	178	Anhydrite and shale
1687	2053	366	Anhydrite and shale and salt
2053	2358	305	Salt, anhydrite and shells
2358	2736	378	Anhydrite, shale and salt
2736	3017	281	Anhydrite and shale
3017	3074	57	Shale, anhydrite and shells
3074	3149	75	Shale
3149	3224	75	Anhydrite and shale
3224	3252	28	Shale and lime
3252	3496	244	Anhydrite and shale
3496	3536	40	Anhydrite and lime
3536	3725	189	Shale, anhydrite and lime
3725	3802	77	Anhydrite and lime
3802	3853	51	Anhydrite, shale and lime
3853	3897	44	Anhydrite and lime
3897	3927	30	Lime, shale and anhydrite
3927	3966	39	Anhydrite and lime
3966	4019	53	Anhydrite, shale and lime
4019	4041	22	Anhydrite and lime
4041	4129	88	Anhydrite, shale and lime
4129	4149	20	Lime
4149	4217	68	Anhydrite, shale and lime
4217	4226	9	Lime
4226	4331	105	Anhydrite, shale and lime
4331	4340	9	Lime
4340	4385	45	Lime, shale and anhydrite
4385	4426	41	Lime and shale
4426	4448	22	Lime
4448	4470	22	Lime, shale and anhydrite
4470	4532	62	Lime
4532	4552	20	Lime, shale and anhydrite
4552	4586	34	Lime
4586	4594	8	Lime and shale
4594	4654	60	Lime
	4654' TD		