

DUPLICATE

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO.

JUL 29 1948

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT

Company or Operator Delfern Oil Company Lease Lea-State  
Address None Lubbock, TX  
(Local or Field Office) (Principal Place of Business)  
Unit K Wells No. 2 Sec. 8 T 17-3 R 34E Field Vacuum County  
Kind of Lease State Location of Tanks Lease  
Transporter Texas-New Mexico Pipe Line Co. Address of Transporter Elmice, New Mexico  
(Local or Field Office)  
Percent of oil to be transported 100% Other transporters author-  
(Principal Place of Business) ized to transport oil from this unit are None %  
REMARKS:

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 14th day of July, 1948

Delfern Oil Company

(Company or Operator)

By

Title

Vice-President

State of Texas

County of Lubbock

ss.

Before me, the undersigned authority, on this day personally appeared J. D. Duncan known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 14th day of July, 1948

Campbell H. Elkins

Notary Public in and for Lubbock County, Texas

Approved: July 30 1948

OIL CONSERVATION COMMISSION

By

(See Instruction on Reverse Side)

## INSTRUCTIONS

This form shall be executed and filed in quadruplicate with the Oil Conservation Commission at Santa Fe, New Mexico, covering each unit from which oil is produced. A separate certificate shall be filed for each transporter authorized to transport oil from a unit. After said certificate has been approved by the Oil Conservation Commission, one copy shall be forwarded to the transporter, one copy returned to the producer, and two copies retained by the Oil Conservation Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one month the operator shall in lieu of filing a new certificate, notify the Oil Conservation Commission at Santa Fe, New Mexico, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil to be moved by the transporter temporarily moving oil from the unit and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Oil Conservation Commission shall constitute a permit for pipe line connection and authorization to transport oil from the property named therein and shall remain in full force and effect until

- (a) Operating ownership changes
- (b) The transporter is changed or
- (c) The permit is cancelled by the Commission

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same time this report is filed, explain fully under the heading "REMARKS."

In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil.

A separate report shall be filed to cover each producing unit as designated by the Oil Conservation Commission.

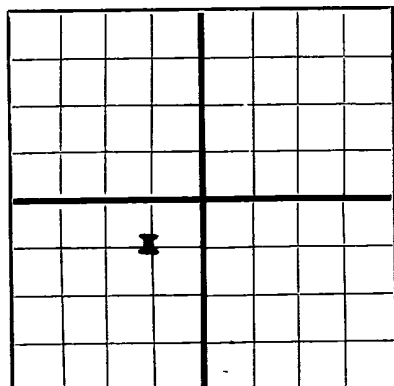
DUPLICATE

RECEIVED  
JUL 28 1948  
RECEIVED  
HOBBS OFFICE

FORM C-105

N

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

Lease State "A" Well No. 2 in NE 1/4 SW 1/4 of Sec. 8, T-17-S

Lease

R-34-E, N. M. P. M. Vacuum Field, Lea County.

Well is 3300 feet south of the North line and 3300 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 May 18, 1948 Drilling was completed July 11, 1948

Name of drilling contractor Geo. P. Livermore, Inc. Address Lubbock, Texas

Elevation above sea level at top of casing 4109 feet.

The information given is to be kept confidential until Not Confidential 19

OIL SANDS OR ZONES

No. 1, from 4676' to 4691' 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 1/2	8rd	Nat'l	306'	None				Surface
5-1/2"	14 1/2	8rd	Nat'l	4570'	HOWCO				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
10-3/4"	8-5/8"	306'	150	Pump & Plug		
7-5/8"	5-1/2"	4570'	1000	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.	A	Acid	1000	7-12	4676-4691'	
		"	3000	7-13	"	

Results of shooting or chemical treatment Treated with 1000 gallons acid, well swabbed 5 bbls. per hour. Retreated with 3000 gallons. Well swabbed 5 bbls. per hour. Retreated with 5500 gallons, well swabbed 6 bbls. per hour.

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 4592 feet, and from feet to feet

Cable tools were used from 4592 feet to 4691 feet, and from feet to feet

PRODUCTION

Put to producing July 14, 1948

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

B. K. Wimberly Rotary Driller Dave Smith Cable Tool Driller  
T. E. Lewis " " Wayne Ross " " Driller  
C. B. Polk " " Frank Dye Martin " " 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 14th

day of July, 1948

Campbell H. Elkins  
Notary Public

for Lubbock County, Texas.  
My Commission expires June 1, 1949.

Lubbock, Texas July 14, 1948

Name

Position Vice-President

Representing Delfern Oil Company

607 Lubbock National Building

Address Lubbock, Texas

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	25	25	Caliche and lime rock
25	85	60	Red Rock
85	180	95	Red Rock and Sand Streaks
180	210	30	Water Sands
210	260	50	Red shale and water sands
260	520	260	Red shale
520	780	260	Red shale and red beds
780	1200	420	Red shale and red beds
1200	1400	200	Red shale and red beds
1400	1540	140	Red beds and red sand
1540	1680	145	Anhydrite
1685	1820	135	Salt and anhydrite
1820	2020	200	Salt and anhydrite
2020	2675	655	Salt and anhydrite
2675	2880	205	Anhydrite and red shale
2880	3010	130	Yates sand and anhydrite
3010	3135	125	Anhydrite and lime stringers
3135	3475	340	Anhydrite and red shale
3475	3755	280	Anhydrite and red shale
3755	3815	60	Lime stringers, Anhydrite and Red Shale
3815	3865	50	Red sand
3865	3910	45	Red shale, Anhydrite, and Lime Stringers
3910	4100	190	Anhydrite and lime stringers
4100	4400	300	Anhydrite and lime stringers
4400	4450	50	Sandy lime and Anhydrite
4450	4480	30	Lime
4480	4570	90	Sandy lime
4570	4620	50	Sandy lime and sand
4620	4640	20	Lime, Black Shale and Sand
4640	4675	35	White Dolomite
4675	4691	<u>16</u>	Porous Dolomite (Pay)
		<u><u>4691</u></u>	