

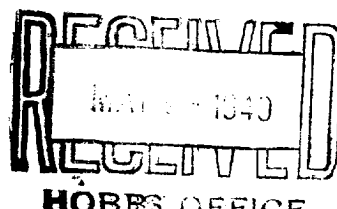
DUPLICATE

FORM C-105

N

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



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.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

The Texas Company  
State of N. M. "L" Company or Operator  
Well No. 4 in NW 1/4-NE 1/4 of Sec. 1, T. 18-S  
Lease 34-E Vacuum Field, Lea County.  
N. M. P. M., 669 feet south of the North line and 1980 feet west of the East line of Said Section 1  
If State land the oil and gas lease is No. B-1753 Assignment No.  
If patented land the owner is Address  
If Government land the permittee is Address  
The Lessee is The Texas Company Address Box 2332, Houston, Texas  
Drilling commenced January 13, 1940 Drilling was completed April 16, 1940  
Name of drilling contractor Clay Bros. Drilg. Co. Address Wichita, Kansas  
Elevation above sea level at top of casing 4001 feet at Derrick Floor  
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 4315 to 4710 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	8-V	LW	1512'	Larkin Guide				
5-1/2"	14 1/2	8 RH. Elec. Well		4093'	"	"			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8-5/8"	1515	325 sacks	Halliburton		
6-3/4"	5 1/2"	4085	200 sacks	"		

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

Results of shooting or chemical treatment

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 4710 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing April 16, 1940  
The production of the first 24 hours was 144 barrels of fluid of which 100% was oil, ---% emulsion; ---% water; and ---% sediment. Gravity, Be 39  
If gas well, cu. ft. Gallons gasoline per 1,000 cu. ft. of gas ---  
Rock pressure, lbs. per sq. in. Gas-Oil Ratio 554

EMPLOYEES

S. W. Ferrell Driller P. G. Powell Driller  
Leo O. Fitch Driller H. O. Stovall 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 6th day of May 1940  
A. A. Thomas Notary Public  
Commission expires 6-1-41

Midland, Texas 5-6-40  
Place Date  
Name P. G. Powell  
Position District Engineer  
Representing The Texas Company  
Company or Operator  
Address Box 1270, Midland, Texas

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	46	46	Caliche
46	220	174	Sand & Gravel
220	600	380	Red Rock & Red Beds
600	1115	515	Red Beds & Shells
1115	1142	27	Red Rock & Hard Sand
1142	1282	140	Red Rock & Red Bed
1282	1460	178	Red Rock & Shells
1460	1570	110	Anhydrite
1570	2452	882	Salt & Anhydrite
2452	2481	29	Anhydrite & Gyp
2481	2605	124	Anhydrite & Salt
2605	2790	185	Anhydrite
2790	2850	60	Anhydrite & Sand
2850	2925	75	Anhydrite, Gyp & Potash
2925	3240	315	Anhydrite & Gyp
3240	3305	65	Sand
3305	3695	390	Anhydrite & Gyp
3695	3850	155	Anhydrite & Lime
3850	4116	266	Hard Lime
4116	4180	64	Brown & Gray Lime
4180	4217	37	Sandy Lime
4217	4315	98	Hard Broken Lime
4315	4490	175	Slightly Porous Broken Lime
4490	4555	65	Saturated Lime
4555	4595	40	Broken Lime
4595	4710	115	Saturated Lime
	4710		Total Depth

## Deviation Tests

540' - 1°	2500' - 1-1/4°
1110' - 1°	3015' - 3/4°
1650' - 3/4°	3540' - 3/4°
1950' - 1/2°	4049' - 1-1/2°

## Well History

Well drilled to 3675' and drill pipe stuck causing contractor to have to plug back and set whipstock at 3629' and drill by fish.

The well was cored from 4420-4470

The well was completed with a formation packer set at 4436' to reduce the gas-oil ratio, before setting packer the well produced 369 bbls. oil in 10 hrs. flowing thru 3/4" choke with GOR 2441. After setting packer, it produced 144 barrels oil in 6 hrs. flowing thru 3/4" choke w/GOR 554.