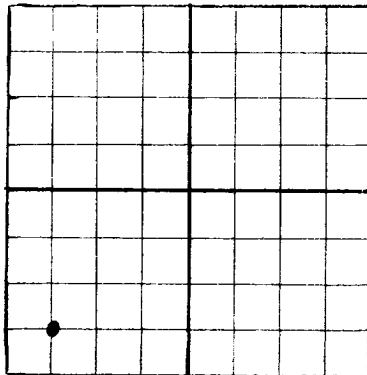


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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES
LOCATE WELL CORRECTLY

DUPLICATE

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

Malco Refineries, Inc.

Owens Building- 10th. St. at Avenue K.
Lubbock, Texas

Company or Operator
State "A" Well No. 4 in SW/SW of Sec. 31, T. 12-S
Lease
R. 32-E, N. M. P. M., Caprock Field, Lea County.
Well is 4620 feet south of the North line and 4620 feet west of the East line of Section 31
If State land the oil and gas lease is No. B-9676 Assignment No. 1
If patented land the owner is - - - Address -
If Government land the permittee is - - - Address -
The Lessee is George F. Livermore, Inc., Address Lubbock, Texas
Drilling commenced 1-28 1945 Drilling was completed 2-17 1945
Name of drilling contractor J. B. Cockburn, Address Hobbs, New Mexico
Elevation above sea level at top of casing 4388 feet.
The information given is to be kept confidential until Not confidential 19

OIL SANDS OR ZONES

No. 1, from 3014 to 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	24	8	Nat'l	246	None				
5 1/2	14	8	Nat'l	2949	Baker				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11	8 5/8	255	125	Pump & plug		
7 7/8	5 1/2	2956	600	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

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 2979 feet, and from feet to feet
Cable tools were used from 2979 feet to 3014 feet, and from feet to feet

PRODUCTION

Put to producing 2-17 1945
The production of the first 24 hours was 150 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 38
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

G. M. Mills (Rotary) Driller W. R. Phillips (Cable Tool) Driller
Tie Vowell (Rotary) 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 19th.

Lubbock, Texas 2-19-45
Place Date

day of February 19 45

Name

Notary Public

Position Production Supt.

Representing Malco Refineries, Inc.
Company or Operator

My Commission expires 6-1-45

Address Lubbock, Texas

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
<u>Rotary Elevation 4395</u>			
0	260	260	Surface Sand & Red Bed
260	960	700	Red Bed
960	1135	17 1/2	Red Rock
1135	1245	110	Red Bed & anhydrite
1245	1425	180	Red Bed & Salt
1425	1500	75	Red Bed & anhydrite
1500	2250	750	Salt & Anhydrite
2250	2470	220	Anhydrite
2470	2540	70	Anhydrite & Red Rock
2540	2615	65	Anhydrite
2615	2979	364	Anhydrite & Red Rock

Cable Tools Elevation 4393

2977	3014	37	Anhydrite & Red Rock
3014	Total Depth		Oil Sand

Geological Markers

Anhydrite	1410
Top of Salt	1510
Base of Salt	2150
Yates	2200
Artesia Sand	3014

Deviation Record

Depth	Degrees
200	0
500	0
1000	1/3
1500	0
2000	1 1/2
2500	2