

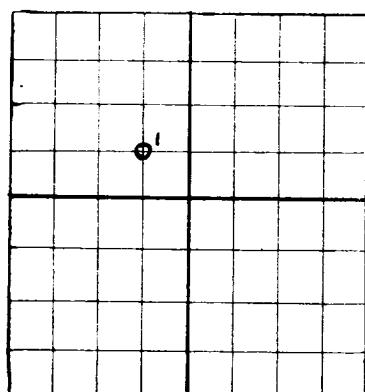
# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
<b>Rotary Elevation 4408</b>			
0	260	260	Sand and Red Bed
260	1280	1020	Red Beds
1280	1495	215	Anhydrite and Red Bed
1495	1650	155	Anhydrite and Salt
1650	1885	235	Salt
1885	2205	320	Salt and anhydrite
2205	2330	125	Anhydrite and Red Bed
2330	2980	650	Anhydrite and Red Rock
<b>Cable Tool Elevation 4406</b>			
2980	3005	25	Anhydrite and Red Rock
3005	3010	5	Anhydrite
3010	3015	5	Brown Lime
3015	3018	3	Sand - Show of oil
3018	3030	12	Sand
3030	3032	2	Red Rock
3032	3036	4	Anhydrite
3036	3040	4	Red Rock
3040	3043	3	Anhydrite
3043	3048	5	Salt and Red Rock
<b>Deviation Record</b>			
		<b>Depth</b>	<b>Degrees</b>
		200	1
		500	1 1/2
		1000	1 3/4
		1500	1 1/2
		2000	1 1/2
		2500	1 1/2
		2885	1 1/2
<b>Geological Markers</b>			
		Top of Anhydrite	1420'
		Top of Salt	1500'
		Base of Salt	2160'
		Top of Yates	2240'
		Top of Artesia Sand	3015

APR 1 1945

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

Malco Refineries, Inc.

Owens Bldg., 10th. and Avenue K  
Lubbock, Texas

State "D" Company or Operator Well No. 1 in SE/NW of Sec. 36, T. 12-S  
R. 31-E N. M. P. M. Caprock Field, Chaves County.  
Well is 1980 feet south of the North line and 3300 feet west of the East line of Section 36  
If State land the oil and gas lease is No. B-7878 Assignment No. 12  
If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_  
If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_  
The Lessee is William D. Morris Address Fort Worth, Texas  
Drilling commenced 2-13-45 19 \_\_\_\_\_ Drilling was completed 3-8 19 45  
Name of drilling contractor J. R. Cockburn, Jr. Address Artesia, New Mexico  
Elevation above sea level at top of casing 4403 feet.  
The information given is to be kept confidential until Not confidential 19 \_\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from \_\_\_\_\_ 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	25	8	Nat'l	245	None	- - -	- -	-	Surface
5 1/2	14	8	Nat'l	2953	Baker	- - -	-	-	Oil

## 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	253	125	Pump & plug	- -	-
7 7/8	5 1/2	2960	600	" "	- -	-

## 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
	Dump	Solidified Gel.	80 qts.	3-20-45	3011-3031	3035

Results of shooting or chemical treatment No increase. Well tested 1 1/2 gallons oil in 16 hours after shot.

## 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 2980 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 2980 feet to 3048 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing Dry hole 19 \_\_\_\_\_  
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

Tie Vowell (Rotary) Driller Fred F. Johnston (Cable) Driller  
G. M. Mills (Rotary) Driller Roy Langston (Cable) 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 3rd.

Lubbock, Texas 4-3-45

day of April 19 45

Name Bryant L. Benson

Position Engineer

Representing Malco Refineries, Inc.

My Commission expires 6-1-45

Address Owens Bldg. 10th. and Avenue K