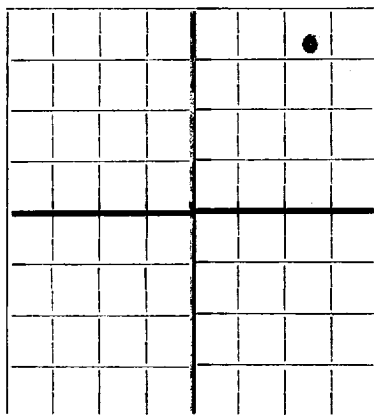


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## NEW MEXICO OIL CONSERVATION COMMISSION

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.

**Malco Refineries, Inc.** **Roswell, New Mexico**  
Company or Operator Address  
**Harbold** Well No. **5** in **NE NE** of Sec. **35**, T. **17-S**  
Lease  
R. **27-S**, N. M. P. M., **Empire** Field, **Eddy** County.  
Well is **330** feet south of the North line and **990** feet west of the East line of **Sec. 35**.  
If State land the oil and gas lease is No. Assignment No.  
If patented land the owner is Address.  
If Government land the permittee is **J. H. Harbold**, Address **El Paso, Texas**.  
The Lessee is **Malco Refineries, Inc.**, Address **Roswell, New Mexico**.  
Drilling commenced **13 July** 19 **47** Drilling was completed **13 August** 19 **47**.  
Name of drilling contractor **S. P. Yates**, Address **Artesia, New Mexico**.  
Elevation above sea level at top of casing **3555** feet.  
The information given is to be kept confidential until **Not Confidential** 19

## OIL SANDS OR ZONES

No. 1, from **1615** to **1635** 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 **575** to **585** feet. **Slight Show**  
No. 2, from **683** to feet. **NFW**  
No. 3, from **910** to feet. **Slight Show**  
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	
<b>7"</b>	<b>19#</b>	<b>8</b>	<b>Nat'l.</b>	<b>1295</b>					

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<b>5"</b>	<b>7"</b>	<b>1295</b>	<b>50</b>	<b>Halliburton</b>		

## 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
<b>4"</b>	<b>45</b>	<b>Liquidified</b>	<b>150 qts.</b>	<b>8/10/47</b>	<b>1590-1635</b>	<b>1635</b>

Results of shooting or chemical treatment **Increased production from 12 BOPD natural to 46 BOPD**

## 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 feet to feet, and from feet to feet  
Cable tools were used from **0** feet to **1700** feet, and from feet to feet

## PRODUCTION

Put to producing **8-13**, 19 **47**  
The production of the first 24 hours was **46** barrels of fluid of which **100** % was oil;  
emulsion; % water; and % 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

**J. W. Bradshaw**, Driller **L. E. Keith**, Driller  
**R. F. Miller**, 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 **August**, 19**47****William B. McComb**  
Notary PublicMy Commission expires **April 22, 1950****Roswell, New Mexico** **14 August 1947**Name **Donald B. Anderson**Position **Production Manager**Representing **Malco Refineries, Inc.**

Company or Operator

Address **P. O. Box 560, Roswell, New Mexico**

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	695	695	Anhydrite
695	810	115	Anhydrite and Red Sand
810	865	55	Anhydrite
865	930	65	Anhydrite and Red Sand
930	1040	110	Anhydrite
1040	1085	45	Anhydrite, Red Sand, Pink Dolomite
1085	1135	50	Anhydrite
1135	1150	15	Dolomite
1150	1225	75	Gray Sand, Red Sand, Anhydrite
1225	1250	25	Anhydrite
1250	1290	40	Red Sand, Anhydrite
1290	1330	40	Anhydrite
1330	1700	370	Buff Dolomite, Pink Dolomite, Gray Sand & Red Sand