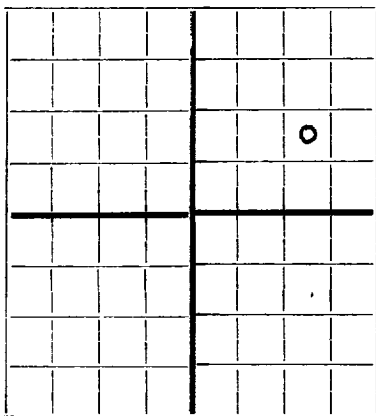


N

AREA 640 ACRES
LOCATE WELL CORRECTLYNEW 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 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. **7** in **SENE** of Sec. **35**, T. **17-S**
Lease **27-E**, N. M. P. M., **Empire** Field, **Eddy** County.
Well is **1650** 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 **7 June** 19**47** Drilling was completed **11 July** 19**47**
Name of drilling contractor **S. P. Yates** Address **Artesia, New Mexico**
Elevation above sea level at top of casing **3594** feet.
The information given is to be kept confidential until **Not Confidential** 19

OIL SANDS OR ZONES

No. 1, from **1610** to **1621** 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 **570'** to **587** feet. **Slight show**
No. 2, from **680'** to feet. **Hole full water**
No. 3, from **900** 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 | |
| 7" | 19# | 8 | Nat'l. | 1317' | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|--------------|---------------------|--------------------|-------------|--------------------|
| 8" | 7" | 1317' | 100 | Halliburton | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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 |
|-----------|------------|----------------------------|----------------|---------------|-----------------------|-------------------|
| 4" | 22' | Solidified | 60 qts. | 7-8-47 | 1606-1628' | 1650' |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment **Increased production from 130 BOPD natural to approximately 240 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 **1650** feet, and from feet to feet

PRODUCTION

Put to producing **11 July** 19**47**
The production of the first 24 hours was **240** 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

C. V. Miller, Driller
W. F. Keith, 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** **Roswell, New Mexico** **12 July 1947**
day of **July** 19**47** Name **W. L. Kelly** Date
Notary Public

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|---|
| 0 | 690 | 690 | Anhydrite |
| 690 | 800 | 110 | Anhydrite & red sand |
| 800 | 850 | 50 | Anhydrite |
| 850 | 930 | 80 | Anhydrite & red sand |
| 930 | 1045 | 115 | Anhydrite |
| 1045 | 1080 | 35 | Anhydrite, red sand & pink dolomite |
| 1080 | 1135 | 55 | Anhydrite |
| 1135 | 1145 | 10 | Dolomite |
| 1145 | 1220 | 75 | Gray sand, red sand & anhydrite |
| 1220 | 1245 | 25 | Anhydrite |
| 1245 | 1295 | 50 | Red sand & anhydrite |
| 1295 | 1325 | 30 | Anhydrite |
| 1325 | 1650 | 325 | Buff dolomite, pink dolomite, gray sand & red sand. |