

FORM C-105
DUPLICATE
1980

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NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
HOBBS OFFICE

RECEIVED
AUG 30 1948

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Magnolia Petroleum Company
Company or Operator
State Bridges
Well No. 55 D/D in NE/4 of Sec. 23, T. 17-S
Lease
R. 34-E, N. M. P. M., Vacuna Field, Lea County.
Well is 660 feet south of the North line and 1980 feet west of the East line of Section 23
If State land the oil and gas lease is No. B-1520 Assignment No.
If patented land the owner is, Address
If Government land the permittee is, Address
The Lessee is Magnolia Petroleum Company, Address Box 727, Kermit, Texas
Drilling/Deeper commenced June 12, 1948 Drilling/Deeper was completed June 16, 1948
Name of drilling contractor Mobile, Inc., Address Box 1032, Midland, Texas
Elevation above sea-level at top of casing 4036 feet.
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 4625 to 4666 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS None logged.

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 | |
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| MUDDING AND CEMENTING RECORD | | | | | | |
|------------------------------|----------------|-----------|---------------------|--------------|-------------|--------------------|
| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
| | | | | | | |
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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 |
| | | 20% low ten. acid | 1000 gals. | 6-18-48 | 4635-4666 | |
| | | 20% low ten. acid | 4000 gals. | 6-21-48 | 4320-4666 | |

Results of shooting or chemical treatment Re-completing well.

RECORD OF DRILL-STEM AND SPECIAL TESTS See reverse side.

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 4625 feet to 4666 feet, and from feet to feet

PRODUCTION

Put to producing July 11, 1948
The production of the first 24 hours was 15 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% 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

Driller Driller
Driller 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 27th day of August, 1948, Kermit, Texas, August 27, 1948
Name District Superintendent
Position District Superintendent

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|-------------|------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4595 | | | Production before clean out, 5 bbls. |
| 4625 | | | Top of cavings. |
| 4625 | | | Clean out to. |
| 4615 | 4620 | 5 | 90% finely crystalline to coarse crypto crystalline tan and gray dolomite, 10% black shale, 75% porosity, light staining. |
| 4620 | 4625 | 5 | 100% finely crystalline tan dolomite, 60% porosity, and fair staining. |
| 4625 | 4630 | 5 | 100% finely crystalline tan dolomite, 60% porosity, and fair staining. |
| 4630 | 4635 | 5 | 100% fine to medium crystalline tan and brown dolomite, 50% porosity and fair staining. |
| 4635 | 4642 | 7 | 100% fine to medium crystalline tan and brown dolomite, 30% porosity and fair staining. |
| 4642 | 4649 | 7 | 100% coarse crypto crystalline to fine crystalline tan and gray dolomite, 10% porosity and fair staining. |
| 4649 | 4658 | 9 | 90% coarse crypto crystalline to fine crystalline tan and gray dolomite, 10% black shale, trace of porosity. |
| 4658 | 4663 | 5 | 80% coarse crypto crystalline to fine crystalline tan and gray dolomite, 20% black shale. |
| 4663 | 4674 | 11 | 100% coarse crypto crystalline to fine crystalline tan and gray dolomite, trace black shale. |
| 4674 equals | 4666 | 8 | <u>STEEL LINE CORRECTION.</u> |
| 4666 | | | TOTAL DEPTH. |
| 4635 | 4666 | 31 | Western Co. acidized w/1000 gals, 20% low tension acid; CP 1800#-1700#; TP 2100#-2000#-2200#, 49 min. Packer @ 4630, 6/10 bbls. per min. |
| 4320 | 4666 | 346 | Western Co. re-acidized w/4000 gals, 20% low tension acid, CP 2000#-1000#; TP 1700#-700#-1000#, 2 BPN, 58 min. Sweet formation packer swinging in hole. |
| | | | Pumped 15 bbls. oil 24 hrs. after D/D, 5 bbls. before. |
| | | | Drilling Deeper commenced June 12, 1948 |
| | | | Drilling Deeper completed June 16, 1948 |