DUPLICATE

FORM C-105

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OIL CONSERVATION COMMISSION
HOBBS OFFICE

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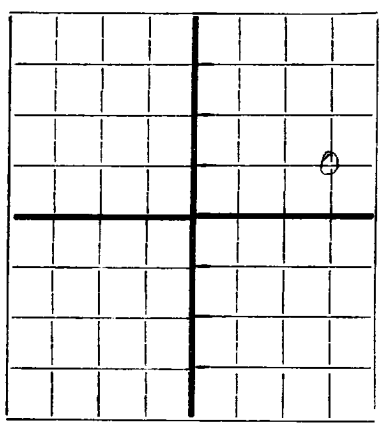

AREA 640 ACRES
LOCATE WELL CORRECTLY

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

Tide Water Associated Oil Company (Company or Operator) Drawer KK, Hobbs, New Mexico (Address)

R. M. Marshall (Lease) Well No. 1-D in NE/4 of Sec. 13, T. 21S

R. 36E, N. M. P. M., Drinkard Field, Lea County.

Well is 660 feet south of the North line and 660 feet west of the East line of SE/4 of NE/4

If State land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is R. M. Marshall, Address .....

If Government land the permittee is ....., Address .....

The Lessee is Tide Water Associated Oil Company, Address As above

Drilling commenced June 17th 19 47. Drilling was completed Aug 14th 19 47

Name of drilling contractor Warren & Bradshaw, Address Tulsa, Oklahoma

Elevation above sea level at top of casing 3525 feet.

The information given is to be kept confidential until Not Confidential 19.....

### OIL SANDS OR ZONES

No. 1, from None 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 None 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 FROM | PERFORATED TO | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| 13-3/8 | 36# | 8R | Armco | 280 | Armco | | Left in | | |
| 8-5/8 | 32# | 8-R | Pittsb. | 2818 | Larkin | | Left in | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| 17-1/4 | 13-3/8 | 294 | 300 | Halliburton | | |
| 11 | 8-5/8 | 2824 | 1200 | " | | |
| | | | | | | |
| | | | | | | |

### 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 Note: Well drilled to T.D. of 7087', no oil or gas formations encountered. Hole circulated with 9# mud and cement plug placed from 2824' to 2696'. Well filled with mud and casing head capped. Temporarily abandoned.

### 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 0 feet to 7087' feet, and from - feet to - feet

Cable tools were used from - feet to - 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 None % was oil; .....%

emulsion; .....% water; and .....% sediment. Gravity, Be.....

If gas well, cu. ft. per 24 hours None Gallons gasoline per 1,000 cu. ft. of gas.....

Rock pressure, lbs. per sq. in. -

### EMPLOYEES

W. J. Garrison, Driller W. O. Tidwell, Driller

J. H. Saunders, 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 30th day of Oct. Hobbs, New Mexico (Place) 10-30-47 (Date)

Name .....

Position .....

Representing .....

Address .....

# FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| 0 | 190 | 190 | Sand |
| 190 | 300 | 110 | Red Bed |
| 300 | 375 | 75 | Red Rock |
| 375 | 1114 | 739 | Red Rock & Sand |
| 1114 | 1265 | 151 | Red Rock & Shells |
| 1265 | 1423 | 158 | Anhydrite |
| 1423 | 1575 | 152 | Anhydrite & Salt |
| 1575 | 1753 | 178 | Anhydrite |
| 1753 | 2635 | 882 | Salt & Anhydrite |
| 2635 | 2680 | 45 | Anhydrite & Potash |
| 2680 | 2695 | 15 | Anhydrite |
| 2695 | 2760 | 65 | Lime & Anhydrite |
| 2760 | 2840 | 80 | Lime |
| 2840 | 2920 | 80 | Lime & Anhydrite |
| 2920 | 2990 | 70 | Lime & Sand |
| 2990 | 3085 | 95 | Lime & Gyp |
| 3085 | 3140 | 65 | Lime & Sand |
| 3140 | 3320 | 180 | Lime |
| 3320 | 3490 | 170 | Lime & Shale |
| 3490 | 4630 | 1140 | Lime |
| 4630 | 4735 | 105 | Lime & Chert |
| 4735 | 7087 | 2352 | Lime |
| 7087 | T.D. | | Total Depth |

DRILL STEM TEST:

#1 3850' - 3710' - Packer set at 3710', Chokes 1/4" Top, 5/8" bottom, Johnston Tool, open 2 hours, 2340' in 3½" Drill pipe of Slightly oil and gas cut drilling mud.

#2 4115' - 4050' - Packer set at 4050', Chokes 1/4" Top, 5/8" bottom, Johnston Tool, open 1 hour 35 minutes, gas in 35 minutes, recovered 180' drilling mud, 270' oil cut S.W. 540' Sulphur water.

#3 5428' - 5380' - Packer set at 5380', Chokes 1/8" Top, 5/8" bottom, Halliburton Tool, open 1 hour, 20 minutes, good blow of air steadily dying, no gas to surface, recovered 3138' of S.W.

#4 5742' - 5642' - Packer set at 5642', Chokes 1/8" Top, 5/8" bottom, Halliburton Tool, open 35 minutes, very weak blow of air which died in 20 minutes, recovered 30' of oil and gas cut mud.

#5 5840' - 5760' - Packer set at 5760', Chokes 1/8" Top, 5/8" bottom, Halliburton Tool, open 30 minutes, very weak blow of air, died in 20 minutes. Recovered 20' mud. No shows.

#6 7087' - 6838' - Packer set at 6838', Chokes 5/8" Top, 1-1/4" bottom, Johnston Tool, open 1 hour, 45 minutes. Recovered 3840' Salt Water & 270' drilling mud.