



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.

McAlester Fuel Company
Company of Operator
J. M. Denton
Lease
Well No. 1-1 in C. SW 1/4 SE 1/4 of Sec. 11, T. 15 S.
R. 37 E., N. M. P. M. Wildcat Field, Lea County.
Well is 4620 feet south of the North line and 1980 feet west of the East line of Section 11.
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is J. M. Denton, Address Lovington, New Mexico.
If Government land the permittee is, Address.
The Lessee is McAlester Fuel Company, Address P. O. Box 210-Magnolia, Arkansas.
Drilling commenced March 14, 1949. Drilling was completed September 16, 1949.
Name of drilling contractor McAlester Fuel Company, Address P. O. Box 210-Magnolia, Arkansas.
Elevation above sea level at top of casing 3786.50 feet.
The information given is to be kept confidential until None 19.

OIL SANDS OR ZONES

No. 1, from 9,000 to 9,680 No. 4, from to
No. 2, from 10,500 to 10,620 (Gas) No. 5, from to
No. 3, from 11,247 to 11,464 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 9610 to 9680 feet. 7270 (3 1/2 hrs.) sulphur
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 | |
| 13-3/8" | 48# | 8 rd. | L. W. | 314 | Baker | | | | |
| 9-5/8" | 36# | 8 rd. | Smls. | | | | | | |
| 9-5/8" | 40# | 8 rd. | " | 4,641 | Baker | | 3,350 | 3,351 | Squeeze cement behind pipe. |
| 5 1/2" | 17# | 8 rd. | " | | | | | | |
| 5 1/2" | 20# | 8 rd. | " | 11,455 | Baker | | 11,325 | 11,464 | Production |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|--------------|-------------|--------------------|
| 17-1/2" | 13-3/8" | 334' | 350 | Halliburton | 9.6 | |
| 12-1/4" | 9-5/8" | 4,655' | 1500 | " | 10.8 | |
| 8-3/4" | 5-1/2" | 11,465' | 1100 | " | 9.6 | |

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 |
|------|------------|----------------------------|-----------|---------------|-----------------------|-------------------|
| 1/2" | | Gun Perforation | 834 shots | Sept. 23 & 24 | 11,325'-11,464' | 11,465' |

Results of shooting or chemical treatment Well Tested - 1/2" tubing choke, 350# pressure - Average 30 bbls. per hour.

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 11,467 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing September 26, 1949
The production of the first 24 hours was 720 / based on 6 hr. test of 180 bbls. 99.8% was oil; %
emulsion; % water; and .2% sediment. Gravity, Be. 44.5 @ 60 API
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

T.O. Grain Driller J.B. Martin Driller
L.A. Copeland Driller Guy Boyd Area Drlg. Supt. 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 28th day of September, 1949
Notary Public
My Commission expires May 28, 1952
Magnolia, Arkansas September 28, 1949
Name
Position Production Superintendent
Representing McAlester Fuel Company
Address P.O. Box 210-Magnolia, Arkansas

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---------|--------|----------------------|---|
| Surface | 1,100 | 1,100 | Un-recorded |
| 1,100 | 1,350 | 250 | Red shale |
| 1,350 | 2,310 | 960 | Sandy red shale |
| 2,310 | 3,200 | 890 | Sandy red shale w/streaks of polyhalite |
| 3,200 | 4,500 | 1,390 | Sandy red shale w/streaks of limestone |
| 4,500 | 5,200 | 610 | Massive dolomite w/streaks of gray and black shale and streaks of anhydrite and chert Gas stains |
| 5,200 | 6,160 | 960 | Bitte as above with approximate 20% porous dolomite |
| 6,160 | 7,850 | 1,690 | Dolomite w/streaks of dark shale, streaks of anhydrite and chert Occasional oil stains |
| 7,850 | 9,000 | 1,150 | Limey dolomite w/streaks of black shale, green shale and anhydrite Occasional oil stains |
| 9,000 | 9,680 | 680 | Dolomite lime w/streaks of grey and green shale, chert and anhydrite Oil stained through-out |
| 9,680 | 10,350 | 670 | Limey dolomite w/streaks of green and grey shale and chert Occasional oil stains |
| 10,350 | 10,630 | 280 | Dolomitic limestone w/streaks of black shale and chert Oil stained at bottom |
| 10,630 | 11,155 | 525 | Lime and chert |
| 11,155 | 11,467 | 312 | Lime and dolomite w/oil stain and some porosity |
| | 11,467 | | Total Depth |

| | | | Sub-sea |
|------|----------------|-------|---------|
| Top | Anhydrite | 2098 | + 1699 |
| Top | Yates | 3120 | + 679 |
| Top | San Andres | 4590 | - 791 |
| Top | Glorietta | 6080 | - 2281 |
| Top | Glorietta Sand | 6160 | - 2361 |
| Top | Clear Fork | 6650 | - 2851 |
| Top | Tabb | 7240 | - 3441 |
| Top | Abe | 7900 | - 4101 |
| Top | Woolcamp | 9000 | - 5201 |
| Base | Permian | 10350 | - 6551 |
| Top | Mississippi | 10450 | - 6660 |
| Top | Woodford | 11155 | - 7356 |
| Top | Devonian | 11254 | - 7455 |