Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER S F - 07934
LEASE OR PERMIT TO PROSPECT McClanahan

RECEIVED
JUL 26 1960
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company Aztec Oil & Gas Company Address Drawer 570, Farmington, N.M.
Lessor or Tract McClanahan Field Angel Peak/Extension Dakota State New Mexico
Well No. 15-D Sec. 14 T 28N R. 10W Meridian N.M.P.M. County San Juan
Location 810 ft. {N. / S.} of S Line and 1610 ft. {E. / W.} of W Line of Section 14 Elevation 5816 G.L. (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed CRIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon
Date July 25, 1960 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 6/22/60, 19 Finished drilling 7/7/60, 19

## OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 6310 to 6321 (G) No. 4, from to
No. 2, from 6372 to 6410 (G) No. 5, from to
No. 3, from to No. 6, from to

## IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 8 5/8 | 24 | 8rd | J-55 | 313 | | | | | |
| 4 1/2 | 11.60 | 8rd | J-55 | 740 | | | | | |
| 4 1/2 | 9.5 | 8rd | J-55 | 5731 | | | | | |
| 2 3/8 | 4.7 | 8rd | J-55 | 6482 | | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 8 5/8 | 328 | 200 | displacement | | |
| 4 1/2 | 6483 | 400 | two-plug | | |
| 2 3/8 | 6270 | -- | | | |

## PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|---|---|---|---|---|---|---|
| Sand-water fraced with 1900 Bbls. water and 80,000# sand. Breakdown pr.-3000# - 2500# Treating pressure - 3000# - 2800#, I.R. - 38.7 bpm | | | | | | |

## TOOLS USED

Rotary tools were used from 0 feet to 6483 feet, and from feet to feet
Cable tools were used from 0 feet to 6470 feet, and from feet to feet

## DATES

, 19 Put to producing , 19

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

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

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 220 | 220 | Surface |
| 220 | 330 | 110 | surface |
| 330 | 705 | 375 | Sand & Shale |
| 705 | 2000 | 1295 | Sand & Shale |
| 2000 | 2800 | 800 | Sand & Shale |
| 2800 | 3330 | 530 | Sand & Shale |
| 3330 | 3610 | 280 | Sand & Shale |
| 3610 | 4150 | 540 | Sand & Shale |
| 4150 | 4520 | 370 | Sand & Shale |
| 4520 | 5060 | 540 | Sand & Shale |
| 5060 | 5400 | 340 | Sand & Shale |
| 5400 | 5725 | 325 | Sand & Shale |
| 5725 | 6100 | 375 | Sand & Shale |
| 6100 | 6372 | 272 | Sand & Shale |
| 6372 | 6453 | 81 | Sand & Shale |
| 6453 | 6483 | 30 | Sand & Shale |

(OVER)

16—43094-4

TOP OF PICTURED CLIFFS - 1945
TOP OF DAKOTA - 6307'

FOLD | MARK

## FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| | | | |

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

## HISTORY OF OIL OR GAS WELL

**It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.**