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U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 1772A
LEASE OR PERMIT TO PROSPECT
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SURVEY
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Aztec Oil and Gas Company Address Drawer # 570, Farmington, New Mexico
Lessor or Tract Reid Field Angel Peak Ext. State New Mexico
Well No. 20-D Sec. 19 T. 28N R. 9W Meridian N.M.P.M. County San Juan
Location 1030 ft. NE of N Line and 630 ft. SE of E Line of Section 19 Elevation 5799 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 _____ Joe C. Salmon
Date November 25, 1960 Title District Superintendent

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

Commenced drilling 10/23/60, 1960 Finished drilling 11/1/60, 1960

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5422 to 5442 (a) No. 4, from _____ to _____
 No. 2, from 6482 to 6510 (a) No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	327	225	displacement		
4 1/2	6640	400	two plug		
2 3/8	6361				

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 20,000# sand and 860 Ebls. water. Breakdown pr. - 1800#						
Treating pr. - 2800#, I.R. 3 1/2 bpm, shut-in pr. - 1200#						

TOOLS USED

Rotary tools were used from 0 feet to 6641 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 6640 feet, and from _____ feet to _____ feet

DATES

11/10/60, 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 ~~Acq~~ 5358 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. -----1974-----

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	330	330	Surface
330	1300	970	Sand and Shale
1300	2607	1307	Sand and Shale
2607	3313	706	Sand and Shale
3313	4184	871	Sand and Shale
4184	4996	812	Sand and Shale
4996	5440	444	Sand and Shale
5440	6164	724	Sand and Shale
6164	6511	347	Sand and Shale
6511	6532	21	Sand
6532	6641	109	Sand and Shale

PICTURED CLIFFS - 2010, CLIFF HOUSE ^(OVER) 3600', POINT LOOKOUT - 4340'
GALLUP - 5524, GREENBORN 6300', DAKOTA - 6422.

WATER - 1000000
CURRENT VALUE - 1000000

U.S. DEPARTMENT OF JUSTICE

^a The number of subjects who were included in each group was as follows: 10 in the control group; 9 in the low-dose group; 8 in the medium-dose group; 7 in the high-dose group.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D).

CONFIDENTIAL

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.

HISTORY OF OIL OR GAS WELL

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FORMATION RECORD—Continued