

OIL CON. COM. UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Amerada Petroleum Corporation Address Box E - Bloomfield, New Mexico
Lessor or Tract Jicarilla Apache "F" Field Undesignated State New Mexico
Well No. 5 Sec. 16 T. 25N R. 5W Meridian NMPM County Rio Arriba
Location 1650 ft. ^[N.] of XS Line and 1650 ft. ^[E.] of E Line of Section 16 Elevation 6751 Gr.
(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 D. F. Fluke

Date October 12, 1957 Title Forman

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

Commenced drilling 7-17-57, 1957 Finished drilling 7-27-57, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1782 to 1804 No. 4, from 1864 to 1867

No. 2, from 1956 to 1960 and No. 5, from 1961 to 1965

No. 3, from 2001 to 2002 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	220'	150	Howes		
5-1/2	3976'	375	Howes		

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
Perforated 5-1/2" Cng. from 3782' - 3804', 3856' - 3880' and from 2910' - 2952', 2962' - 2967'						

TOOLS USED

Rotary tools were used from 0' feet to 3976' feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

Put to producing ~~September 10~~, 19-57

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. ft. 450 PC

SLTbg. PRESIDENT CHAIRMAN Zone 24 790 PSI - Cheema
United States Drillin Co.

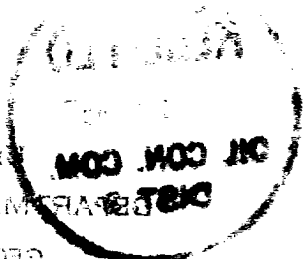
T. L. Cochran, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2907'	2907'	Sand & Shale
2907'	2910'	3'	Sand, Shale, Coal
2910'	3533'	623'	Sand & Shale
3533'	3632'	99'	Shale
3632'	3780'	148'	Dark lime & shale
3780'	3976'	196'	Sand & Shale
		<u>3976'</u>	Total Depth
<u>SCHLUMBERGER TOPS</u>			
Ojo Alamo			2170'
Kirtland-Fruitland			2518'
Pictured Cliffs			2904'
Lewis			2978'
LaVentana (Chacra)			3766'
Base La Ventana (Chacra)			3892'

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Y. *et al.* / *Journal of Great Lakes Research* 36 (2010) 101–110

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3976. ID 5807. 5" Csg. set w/ 3976. w/ 375 sacks cement around 35 gal. and sand water flooded w/ 30,000 gallons water and 30,000 sand down 5" Csg. max. Pres. 1850', Min. 1350'. Ave. Inj. rate 45.5 BPM.

Perforated 5" Csg. (Cherty Zone) from 5782' - 5841' & 3856' - 3860' and 3882' - 3888' and sand water flooded w/ 30,000 gallons water and 30,000 sand down 5" Csg. max. Pres. 1850', Min. 1350'. Ave. Inj. rate 45.5 BPM.

Perforated 5" Csg. (Plutonic Grit Zone) from 5790' - 5829' and 2962' - 2967' and ran 30,000 gal. water & 30,000 sand down 5" Csg. max. Press. 1500', Min. 1350'. Ave. Inj. rate 53 BPM. Run 2/9/87. Eng. & registered Bridge Plug. Run Baker Model B Prod. Packer on wire line & set 3735'. & run 2-3/8" ID. prod. tube, & PSI nipple set w/ 3734'. Snapped both cones in and tested for production.

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 balling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

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FORMATION RECORD—Continued