

## Section 35

U. S. LAND OFFICE **Jicarilla Tribal**  
SERIAL NUMBER **Contr. #75, Tr 184**  
LEASE OR PERMIT TO PROSPECT **Jicarilla "G"**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Magnolia Petroleum Company** Address **P. O. Box 633, Midland, Texas**  
Lessor or Tract **Jicarilla "G"** Field **Blanco Ext.** State **New Mexico**  
Well No. **1** Sec **35** T. **27N** R. **3W** Meridian **N.M.P.M.** County **Blanco**  
Location **990** ft. of **N** Line and **990** ft. of **E** Line of **Section 35** Elevation **(821)**  
(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 **R. T. GORDON**Date **September 7, 1956** Title **Division Superintendent**

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

Commenced drilling **July 8**, 19**56** Finished drilling **August 10**, 19**56**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3831'** to **3925' G** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **5431'** to **6161' G** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from **None** 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	Purpose
							From—	To—
10-3/4"	32.75	821'	303'					
7-5/8"	21.47	4147'	150					
5-1/2"	15.90	6200'	200					

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	303'	200 sx.	Circulated		
7-5/8"	4147'	150 sx.	Pump & Plug	1.14	130 bbls.
5-1/2"	6200'	200 sx.	Pump & Plug	1.01	3 bbls.

## 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

## TOOLS USED

Rotary tools were used from **0** feet to **6000' (TD)** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from **None** feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Well was placed on Potential Test **Shut-In, waiting on**  
& then **Shut-In**, 19\_\_\_\_ Put to producing **Sale of gas**, 19\_\_\_\_The production for the first 24 hours was **0** barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. **65**If gas well, cu. ft. per 24 hours **4500 MCFD Pictured Cliffs**Rock pressure, lbs. per sq. in. **(TP 1024) 61024 Pictured Cliffs**

Paul F. Rutledge, Driller

P. O. Box 2339, Driller

Santa Fe, New Mexico

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3380'	3572'	192'	QJO Alamo
3572'	3820'	248'	Kirtland Fruitland
3820'	3928'	108'	Pictured Cliffs
3928'	5613'	1685'	Lords Shale
5613'	5702'	89'	Cliff House
5702'	5986'	284'	Mesa Verde
5986'	6162'	176'	Point Lookout
6162'	6200'	38'	Mammoth

## SUMMARY OF OPERATIONS

- 7-8-56 Spudded.  
7-9-56 Set 10-3/4" casing on bottom @ 303' with 200 sx cement, circulated, tested with 1000# for 30 min before and after drilling plug, tested OK, no break.  
7-20-56 Ran Elev. Logs, in Shale @ 4147'.  
7-23-56 Set 7-5/8" casing on bottom @ 4147' with 150 sx cement, Temp. Survey top cement @ 3630', tested with 1000# for 30 min before and after drilling plug, tested OK, no break.  
7-31-56 Cored 5618-5661' Cliff House, recovered 43' Sand & Shale, scattered bleeding of gas & odor throughout.  
8-4-56 Cored 5896-5924', recovered 20' Sand & shale, slight bleeding gas throughout. Cored 5820-5844', recovered 12' Sand & Shale, bleeding gas, stain & odor throughout.  
8-8-56 Cored 5990-6017', recovered 27' sand, bleeding gas throughout.  
8-9-56 Cored 6067-6092', recovered 25' Sand & Shale, good show gas 60776090'.  
8-10-56 Cored 6093-6142', recovered 34' sand with shale streaks, slight gas throughout.  
8-13-56 Set 2197' of 5-1/2" liner on bottom @ 6200' with 100 sx cement. Top of liner @ 4003', ran temp. survey, top cement @ 4968'. Set retainer @ 3918'.  
8-14-56 Cemented over top of liner @ 4003' with 150 sx cement, 1000#. Drilled out cement & plug 3973-4150'.  
8-15-56 Temp. Survey bottom cement @ 4790'. Tested with 1500# before and after drilling plugs to 6165' Plug Back Total Depth, tested OK, no break.  
8-16-56 Perforated 5-1/2" liner 6149-6161', 6108-6140' & 6076-6087' with 6 shots per ft.  
8-17-56 Sand Water Frac all perf. with 50,000 gals. CP 1500-3200#.  
8-20-56 Perforated 5-1/2" liner 6022-6044' with 2 shots per ft. Gun stopped @ 5968'. Conditioned to 6165' plug back total depth. Perforated 5-1/2" liner 6022-6044' with 4 additional shots per ft. Perf. 5992-6006' with 6 shots per ft. Set bridge plug @ 6060'. Sandwaterfrac perf 6022-6044', 5992-6006' with 30,000 gals. CP 1690#. No break. Pilled bridge plug. Perf 5-1/2" liner 5630-5642', 5648-5654' & 5658-5700' with 6 shots per ft. Set bridge plug @ 5750'. Sandwaterfrac with 50,000 gals. CP 1500-1650#. 5 hrs HTP 450#. Flow 80 BLW 1-1/2 hrs thru open 2", died. Lack 4550 BLW.  
8-21-56 Pulled bridge plug @ 5750', from 8 sets Mesa Verde Perf., flow 185 BLW 15 hrs, last hr flow 12 BLW, good show gas. Lack 4365 BLW.  
8-22-56 From 8 sets Mesa Verde Perf., flow 250 BLW 24 hrs thru open 2". Gas at rate of 3300 MCF per day. Lack 4115 BLW.  
8-23-56 Killed well with water. Pulled tubing & packer. Perf. 7-5/8" casing in Pictured Cliffs 3838-3847', 3860-3866' & 3907-3925' with 40 shots per ft. Set Ret. Bridge Plug @ 4019'. Sandwaterfrac perf. with 40,000 gals. CP 900-1200#. 5 hrs Shut-in press 400#. Flow 15 BLW 15 min. open 2", died. Lack 1400 BLW from Pictured Cliffs & 4115 BLW from Mesa Verde.  
8-24-56 Pulled bridge plug @ 4019'. Set Prod. pkr. @ 5523'. Ran dual tubing strings. Released rig 8-24-56. Lack 1400 BLW from Pictured Cliff and 4115 BLW from Mesa Verde.  
8-27-56 Moved in and rigged Swab Unit. From 8 sets Mesa verde perf. swb & flow 330 BLW 14 hrs. Shut in 26 hrs. Lack 3785 BLW. From 3 sets Pictured Cliff perf. swb 520 BLW 26 hrs, slight show gas, 2800' FIH. Last hr, swb 20 BLW, Lack 940 BLW.  
8-28-56 From Pictured Cliff Perf. swab & flow 375 BLW 23 hrs thru open 2" tubing, gas at rate of 2600 MCF per day. Lack 605 BLW. From Mesa Verde Perf. after 42 hrs shut-in, flow 200 BLW 8 hrs thru open 2", gas at rate of 3990 MCF per day. Lack 3585 BLW.  
8-29-56 From Mesa Verde perf. flow 50 BLW 12 hrs thru open 2" tubing, gas at rate of 3420 MCF per day. Shut-in for gas potential 8-28-56. Lack 3535 BLW. From Pictured Cliff Perf., flow 50 BLW 12 hrs thru open 2" tubing, gas at rate of 2240 MCF per day. Shut-in for gas potential 8-28-56. Lack 535 BLW.  
9-5-56 From Pictured Cliffs Perforations potential test after 7 days shut-in, TP 1024#. Open 3 hrs, 3/4" ch, flow at rate of 3135 MCF per day. Calculated Open flow 4500 MCF per day. TP 213#. CP 600#. From Mesa Verde Perforations potential test after 7 days shut-in. TP 1703#. Open 3 hrs