

U. S. LAND OFFICE Jicarilla Tribal
SERIAL NUMBER Contr. 95 RR. 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 **633 Midland, Texas**
Lessor or Tract **Jicarilla "G"** Field **Ext. of Blanco State New Mexico**
Well No. **2** Sec. **25** T. **27N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba** Est.
Location **990** ft. of **N** Line and **990** ft. of **E** Line of **Section 25** Elevation **7282**
(Check box relative to well)
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 **Harve H. Mayfield**
Date **November 26, 1956** Title **Asst. Div. Superintendent**
The summary on this page is for the condition of the well at above date.

Commenced drilling **September 30, 1956** Finished drilling **October 16, 1956**OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **3882** to **3946 (G)** No. 4, from **6240 (G)**
No. 2, from **5709** to **6240 (G)** No. 5, from **6240 (G)**
No. 3, from **6240 (G)** No. 6, from **6240 (G)**

IMPORTANT WATER SANDS

No. 1, from **None Tested** to **None Tested** No. 3, from **None Tested**
No. 2, from **None Tested** to **None Tested** No. 4, from **None Tested**

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	8PT	H 40	321					
7-5/8	24.00	8PT	H 40	1200					
5-1/2	19.50	8PT	H 40	2251					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	321	200 SX	Circulating		
7-5/8	1200	125 SX	Pumping	1.0204	115 BBL
5-1/2	6300	350 SX	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length **None** Depth set **None**
Adapters—Material **None** Size **None**

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from **6300** feet to **6300** feet, and from **6300** feet to **6300** feet
Cable tools were used from **6300** feet to **6300** feet, and from **6300** feet to **6300** feet

DATES

Well was placed on Potential **Shut In waiting on**
Test & then shut in, 1956 Put to producing **Sale of Gas**, 1956
The production for the first 24 hours was **0** barrels of fluid of which **0**% was oil; **0**%
emulsion; **0**% water; and **0**% sediment. Gravity, °Bé. **68**
If gas well, cu. ft. per 24 hours **3885 MCF** Gallons gasoline per 1,000 cu. ft. of gas **None**
Rock pressure, lbs. per sq. in. **None**

EMPLOYEES

Paul F. Rutledge, Driller
P.O. Box 2239, Driller
Santa Fe, New Mexico, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
3507	3616	109	OJO ALAMO
3616	3874	258	Kirtland Fruitland
3874	3992	118	Pictured Cliff
3992	5707	1,715	Lewis
5707	6058	290	Cliff House
6058	6241	183	Menaffee
6241	6300	59	Point Lookout Mancus.

SUMMARY OF OPERATIONS

9-30-56 Spudded 12 Noon.
10-2 -56 10-3/4" Casing on Btm. W/200 Sx Cement. Circ.
10-10-56 Run 7-5/8" Casing.
10-11-56 Ran Elec. logs. Stopped @ 562'. Conditioned hole 18 hrs.
10-15-56 Set 7-5/8" Casing @ 4200' W/125 Sx. Top Cement @ 3208'.
10-17-56 Ran 2251' of 5 1/2" liner on btm. W/150 Sx Cement top of liner @ 4049'.
10-18-56 WOC 5 1/2" liner on btm. Temp. Survey top cement @ 5730'. Perf. 5 1/2" liner 5725' 2 holes. Set retainer @ 5690'. Could not pump in perf. w/3000#.
10-19-56 WOC on 5 1/2" liner on btm. Re-ran temp. Survey - Top cement @ 5450'. Set ret. @ 3859' Sq. top liner @ 4049 W/200 Sx cement.
10-22-56 6300' TD Drilled out Plug & Cement in 5 1/2" liner to 6255' FTD. Perf. 5 1/2" liner 6160'-70', 6177-6186', 6193'-6199', 6228'-40' w/6 shots per ft. Sandwater frac. 10,000 Gals. CP 1550-1400# 5 min. SIP 1500# 5 min. 5 1/2" liner 5931-5943, 5966-5977, 6260-6082

LOGGING RECORD

10-23-56 @ 6106-25' 6 shots per ft. Prep. to set Bridge plug. 6300' TD Set Bridge Plug @ 6133. Sandwater frac. Perf. 5931-5943, 5966-5977, 6060'-6082', 6106'-6125', CP 1800#-1450# 5 min. SIP 550# 5 min. Pulled BP. Perf. 5 1/2" liner, 5709-5715', 5723-5732, 5738-5743, 5775-5785, 5807-5826' & 5852-5857' 6 shots per ft. Set Bridge Plug @ 5865'. Sandwater frac. w/50000 Gals. CP 1500-1400# 5 min. SIP 750# Fl. 500 BLO 3 hrs. Thru open 3", CP 0#
10-24-56 6300' TD Pulled Bridge plug @ 5865'. From 15 sets Mesa Verde Perf. After 150,000 Gals. Sand-Waterfrac fl. 2350 BLW 14 hrs. Last hr. fl. 65 BLW. Lack 2100BLW.
10-25-56 6300' TD From 15 sets Mesa Verde Perf. after 150,000 Gals. Sand Waterfrac. fl. 500 BLW 8 hrs. Gas at rate of 1300 MCF per day. Fl 25 BLW last hr. Gas increasing. Killed well. Perf. 7-5/8" Csg. 3882'-3888', 3896'-3912 & 3930'-3946' 6 shots per ft. set Bridge plug @ 4050'.
10-26-56 6300' TD Sandwater Frac perf. 3882-88', 2896-3912 & 3930-3946. w/40,000 Gals CP 1650-1350# 5 min. BHSIP 50#. Pulled Bridge Plug @ 4050'. Ran dual Tbg. Strings & Production Pkg.
10-29-56 6300' TD. From 15 sets Mesa Verde Perf. Sw. & fl. 870 BLW 36 hrs. open 2". Lack 730 BLW from 3 sets Pictured cliffs Perf. Sw. 350 BLW 14 hrs. sh. gas. 2000' FIH. Lack 970 BLW.
10-30-56 6300' TD From 15 sets Mesa Verde Perf. fl. 170 BLW 24 hrs. Open 2". At end of 24 hrs. Gas Vol. 1374 MCF per day. Sw. BLW 5 hrs. down 19 hrs.
10-31-56 6300' TD From 15 sets mesa verde perf. fl. 100 BLW 24 hrs. open 2". Gas at vol. 1304 MCF per day. Fl & subd 450 BLW 22 hrs. Last hr fl. 22 BLW, Open 2".
11-1 -56 6300' TD From 15 sets mesa verde Perf. fl. 20 BLW 14 hrs. thru open 2". Gas at rate of 1235 MCF per day. Shut in for gas Pot. 6 P.M. 10-31-56. From 3 sets Pictured Cliffs perd. Sw. & fl. 180 BLW 24 hrs.
11-2- 56 6300' TD 15 sets mesa verde perf. shut in for gas Pot.
11-12-56 6300' TD From 13 sets mesa verde Perf. after 10 days shut in, TP 1518#. Fl gas 3 hrs. on pot. test at end of 3 hrs. gas vol. 3885 MCF per day, on open 2". Calculated gas vol. 3885 MCF per day. Completed 10-23-56.
11-13-56 6300' TD Pictured Cliffs Zone Shut in for possible workover at a later date.