

Form 9-330

Section 17

U. S. LAND OFFICE **Jicarilla Tribal**SERIAL NUMBER **Contr. # 98**LEASE OR PERMIT TO PROSPECT **Jicarilla "B"**

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

DEC 23 1957

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Magnolia Petroleum Company** Address **Box 633 Midland, Texas**
Lessor or Tract **Jicarilla "B"** Field **Blanco** State **New Mexico**
Well No. **6** Sec. **17** T. **26N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **XX** of **N** Line and **990** ft. **XX** of **E** Line of **Section 17** Elevation **7090** **DF**
(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. GERMANDate **December 18, 1957**Title **Division Superintendent**

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

Commenced drilling **October 8**, 19 **57** Finished drilling **October 26**, 19 **57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3773** to **3809 (G)** No. 4, from _____ to _____
No. 2, from **5488** to **5986 (G)** No. 5, from _____ to _____
No. 3, from **6002** to **6030 (G)** 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		Purpose
							From—	To—	
10-3/4	32.75	8 RT	Republic	301					Surface
7-5/8	24.45	8 RT	Republic	175					Intermediate
5-1/2	18.50	8 RT	Republic	200					Producing
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	301	200	Pump & Plug		
7-5/8	4020	175	Pump & Plug		
5-1/2	6170	200	Pump & Plug		

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 **6170** feet, and from **0** feet to **0** feet
Cable tools were used from **0** feet to **0** feet, and from **0** feet to **0** feet

DATES

M.V. **Oct. 12-15-57** Both zones **Oct.** and **Shut in.**
P.C. **Oct. 12-15-57** Put to producing **December 15, 1957**

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. **0**

If gas well, cu. ft. per 24 hrs. **None** M.V. **Cliff 1581 MCF** Gallons gasoline per 1,000 cu. ft. of gas **No Test**

Rock pressure, lbs. per sq. in. **Mesa Verde 1115 #** For further information see **Potentials**
PIC. Cliff 941# **EMPLOYEES** below.

SAGE DRILLING COMPANY, Driller
McKinney Drilling Company, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3282	3454	172	OJO ALAMO
3454	3760	306	Kirtland-Fruitland
3760	3810	50	Pictured Cliffs
3810	5438	1628	Lewis
5438	5566	128	Cliff House
5566	5914	348	Mesa Verde
5914	6070	156	Point Lookout
6070	6170	100	Mancos

POTENTIALS AND FRACTURE

From 9 sets Mesa Verde Perf after 7 days shut in TP-1115#. Flow 3 hrs thru 48/64" chk.
Gas at rate of 279 MCF per day. Flowing TP-12#. Calculated absolute open flow potential
279 MCF per day.

From 1 set Pictured cliffs perf. after shut in 7 days TP-941#, CP-941#. Flow 3 hrs thru
48/64" chk. Gas at rate of 1581 MCF per day. TP-122#. Flow CP-293#. Calculated
absolute open flow potential 1728 MCF per day. Completed 11-23-57.

PERFORATIONS

MESA VERDE PERF.: Perf. 5 1/2" Liner in Mesa Verde 5488-5494', 5502-5506', 5510-5514',
5528-5546', 5921-5962', 6002-6014', 6020-6030', with 6 shots per ft.
Sandwaterfrac with 113,000 Gals. CP-3000-2000# using 620 rubber balls.

PIC. CLIFFS PERF.: Perf. 7-5/8" Casing in Pictured Cliffs 3773-3809' with 6 shots per
ft. Set Bridge Plug @ 3846'. Sandwaterfrac perf. with 36000 Gals.
Using 240 rubber balls.

SUMMARY

10-8-57 Spudded
10-10-57 WOC 10-3/4" Casing on bottom with 200 ex. cement.

LOGWELL RECORD—Continued

10-21-57 Ran 7-5/8" Casing on bottom with 175 ex. Circulating and waiting on truck
5 hrs on A/C weather.
10-22-57 WOC 7-5/8" Casing on bottom with 175 ex. cement.
10-24-57 Blowing hole past 8 hrs. Drilled 5' and hole was wet.
10-28-57 WOC 2326' of 5 1/2" Liner on bottom with 200 ex cement. Circ. top liner @ 3844'
Tested top of liner with 3000#. Big released 5 AM. 10-28-57
10-29-57 Wait on workover rig to complete.
11-18-57 Drilled out plug & cement in 5 1/2" Liner to 6015' FBTD. Prep. to log & Perforate.
Mesa Verde.
11-19-57 Corrected plug back depth from 6015' to 6103'. Now perforating 5 1/2" Liner to
Mesa Verde.
11-20-57 Perf. 5 1/2" Liner in Mesa Verde 5488-5494', 5502-5506', 5510-5514', 5528-5546',
5921-5962', 6002-6014', 6020-6030', with 6 shots per ft. Sandwaterfrac with
113,000 Gals. CP-3000-2000#. Using 620 rubber balls. Flowed back 300 BLW in
3 hrs. Died. Jetted 300 BLW in 4 hrs. at 2500'.
11-21-57 From 8 sets Mesa Verde perf. after 113,000 Gals sandwaterfrac, jetted 400 BLW
in 24 hrs. at 6010'. No formation gas.
11-22-57 From 8 sets Mesa Verde Perf. jet 150 BLW in 16 hrs. at 6100'. Gas volume 167
MCF per day. Killed well with water. Prep. to perf. in pictured Cliffs.
11-25-57 Perf. 7-5/8" Casing in Pictured Cliffs 3773-3809' with 6 shots per ft. Set
bridge Plug @ 3846'. Sandwaterfrac perf. 3773-3809 with 36,000 Gals. TP-
1600#. Using 240 rubber balls. Jetted 600 BLW in 26 hrs. Gas volume 3600
MCF per day. Prep. to kill well and complete.
11-26-57 Killed well. Set Baker Model "D" Prod. pkr @ 5452'. San dual tbq strings

