

U. S. LAND OFFICE **Mescalito Tribal**
SERIAL NUMBER **Contract 124**
LEASE OR PERMIT TO PROSPECT **Tr. 183**
MescalitoUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Magnolia Petroleum Company** Address **Box 613 Midland, Texas**
Lessor or Tract **Mescalito** Field **Blanco** State **New Mexico**
Well No. **3** Sec. **22** T. **27N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **799** ft. [N] of **8** Line and **799** ft. [E] of **W** Line of **Sec. 22** Elevation **7179**
(Derive elev. 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. Gorman**Date **October 8, 1957** Title **Division Superintendent**

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

Commenced drilling **June 14**, 19 **57** Finished drilling **July 3**, 19 **57**OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **3924** to **4013** No. 4, from _____ to _____
No. 2, from **5734** to **6249** No. 5, from _____ to _____
No. 3, from _____ to _____ 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	British	33'				Surface
7-5/8	13.20	8-RT	British	100'				Intermediate
5 1/2	15.20	8-RT	British	100'				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	313	150	Pump & Plug		
7-5/8	4320	100	Pump & Plug	4.5	15,420 lbs
5 1/2	6340	100	Pump and 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 _____ feet to **6340** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 8, 19 **57** Put to producing **Oct. 8 Shut in, 9-1-57**, 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 **751 MCF** Gallons gasoline per 1,000 cu. ft. of gas **No Test**Rock pressure, lbs. per sq. in. **538**

EMPLOYEES

Paul F. Rutledge, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3422	3422	Ojo Alamo
3422	3628	206	Kirtland Fruitland
3628	3914	286	Pictured Cliffs
3914	4118	204	Lordsburg
4118	5733	1615	Cliffhouse
5733	5768	35	Mesa Verde
5768	6066	298	Point Lookout
6066	6250	184	Mesa Verde

SUMMARY

7-14-57 Spudded
7-15-57 Set **10-3/4"** Casing @ **313'** with **150** sx cement. "circulated"
7-16-57 WOC **7-5/8"** Casing on bottom with **100** x cement.
7-17-57 WOC **5 1/2"** Liner on btm with **100** sx cement.
7-18-57 Perf. **5 1/2"** Liner **5718'**. Set **Net. @ 5630'**. Re-Cemented with **100** sx cement.
7-19-57 TP-1200%. Attempt to pull tbg. stuck @ **5640'**. No circulation with **30000**%. Press
Ran free point indicator to **5630'**. Trying to free stuck tubing.
7-20-57 WOC on cement on top of **5 1/2"** Liner with **100** sx cement.. Fished and recovered
stuck tbg.
7-21-57 Drilled out Plug & cement in **5 1/2"** Liner to **6298'**. Prep. to Perf. Mesa Verde.
7-22-57 Perf. **5 1/2"** Liner **5734-45'**, **5771-85'**, **5857-62'**, **6031-36'**, **6068-77'**, **6091-6101'**,
6108-62', **6134-52'**, **6168-74'**, **6193-79'**, **6203-06'**, **6211-14'**, **6241-49'**. Attempt
to sandwaterfract with **13,000** Gals. CP-30000%. Hole sealed off. **60,000** Gals in
form. Flow back **300** BLW in **4** hrs. Prep. to run the sand and let sand settle.

RESERVING RECORD

7-12-57 From all prod. jet **400** BLW @ **6285'** in **24** hrs. Prep. to run the sand with **15,000** Gals.
and sand at **5630'**.
7-13-57 From all prod. jet **400** BLW @ **6285'** in **24** hrs. Prep. to run the sand with **15,000** Gals.
and sand at **5630'**.
7-14-57 From all prod. jet **400** BLW @ **6285'** in **24** hrs. Prep. to run the sand with **15,000** Gals.
and sand at **5630'**.
7-15-57 From all prod. jet **400** BLW @ **6285'** in **24** hrs. Prep. to run the sand with **15,000** Gals.
and sand at **5630'**.
7-16-57 Perforated **7-5/8"** Casing in Pictured Cliffs **3924-3934'**, **3963-3989'**, **3993-4013'**.
Set Bridge Plug at **4142'**. Sandwaterfract with **40,000** Gals. Max. Press. **20000**%.
using **200** rubber balls. Flow back **30** BLW **1** hr. Died. Prep. to jet Wtr.
7-17-57 From 3 sets Pictured Cliffs perfs. after **40,000** Gals waterfract jetted **500** BLW
24 hrs. from **4125'**. No gas Prepare to re-Frac.
7-18-57 Re-Sandwaterfract with **80,000** Gals. TP-16000%, **5** min SIP-4000%, using **225** rubber
balls. Flowed back lead water **2** hrs. Died. Jetted **500** BLW **5** hrs @ **1800'**.
7-19-57 From 3 sets Pictured Cliffs Perf. after **80,000** Gals. sandfrac. jetted **1200**
BLW **24** hrs at **4125'**. Gas volume **260** MCF.
7-22-57 Pulled bridge Plug at **4142'**. Set Packer at **5703'**. Ran Mesa Verde and
Pictured Cliffs Tubing Strings. Both zones shut in
7-23-57 Both zones shut in for gas lift installation.
7-24-57 From all zones flow by gas lift **40** BLO **18** hrs.
7-30-57 Pictured Cliffs shut in Mesa Verde flowed **50** BLW **24** hrs. Gas vol. **1640** MCF,
8-1-57 Mesa Verde Perf. shut in, 3 sets Pictured Cliffs flow **65** BLO **20** hrs. Gas vol
645 MCF.
8-5-57 Shut in for Potential Test.
8-12-57 After 7 days shut in Mesa Verde TP-1344#. Pictured Cliffs TP-1342#. Have
Communication. Prep. to make packer leakage test.
8-13-57 Checking valves for leak.
8-14-57 Checked GL Valves—all OK. Prep. to re-seat Mesa Verde Tbg.
8-15-57 Shut in wait on Pulling Unit to check communication.
8-22-57 Rigged up pulling Unit. Prep to kill well and reseat Pkr.
8-23-57 Failed in attempt to kill well. Shut in.
8-26-57 Picked up Mesa Verde tbg. Reset **10,000** on Pkr. installed tree. from both
zones gas lift **350** BLW in **36** hrs.
8-30-57 Mesa Verde shut in. 3 sets Pictured Cliffs flowed by GL **40** BLW **24** hrs.
Gas at rate of **1643** MCF per day.
9-3-57 Shut in **32** hrs. Both zones communicating. Prep. to kill well and pull
both tubing string.
9-4-57 Killed well with water. Prep. to install blowout preventer.
9-5-57 Pulled Pictured Cliffs tubing. Prepare to Pull Mesa Verde tubing and run
new Baker Prod. Packer.
9-6-57 Pulled Pictured Cliffs tbg. Pulling Mesa Verde Tbg. to run Baker Model "D" P
prod. Pkr.
9-9-57 Pulled Mesa Verde tbg. Set Baker Prod. Pkr. @ **5668'**. Ran Mesa Verde tbg
and 4 GL Valves. Ran Pictured Cliffs tbg from both zones. flow by GL. **200** BLW.
9-15-57 Shut in for Potential Test.
9-24-57 Attempt to potential. Have communication. Prep. to check valves. SI TP on
Pictured cliffs **919**%.
9-25-57 Set Blank Plug in Mesa Verde tbg. at **4110'**. Prep to check gas lift Valves.
9-26-57 Shut in for gas potential. Found top valve open. Closed valve.
9-30-57 Potential test 13 sets Mesa Verde perf. after 11 days shut in TP-1591%.
Flow. **3** hrs. **48/64"** ch. Flowing TP-53%. Gas at rate of **751** MCF per day.
Calculated absolute open flow. **751** MCF per day. 3 sets Pictured Cliffs
perf. after 11 days Shut in TP-829%. Flowed 1 hr 10 min. Died.
temporarily abandoned. Completed **9-1-57**.