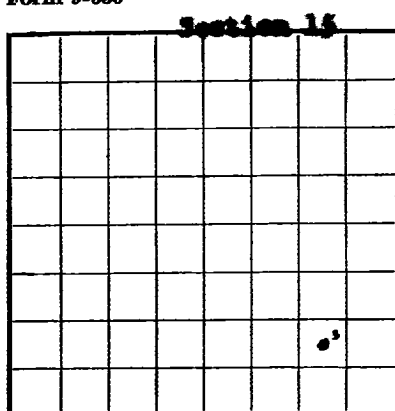


U. S. LAND OFFICE **Alvarilla Tribal**
SERIAL NUMBER **Cont. 1 82, Tr. 178**
LEASE OR PERMIT TO PROSPECT **Alvarilla Tr**

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Magnolia Petroleum Company** Address **P.O. Box 433, Midland, Texas**
 Lessor or Tract **Alvarilla Tr. 178** Field **Blanco** State **New Mexico**
 Well No. **3** Sec. **15** T. **27** R. **3** W. Meridian **N.M.P.M.** County **El Arriba**
 Location **770** ft. [N] of **1** Line and **770** ft. [W] of **2** Line of **Section 15** Elevation **7063**
 (Denote gas by G)

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. GERMAN**
 Date **July 12, 1957** Title **Division Superintendent**

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

Commenced drilling **May 17, 1957** Finished drilling **June 4, 1957**OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ 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
10-3/4	32.75	8-11	3444	314				
7-5/8	22.5	8-11	3444	125				
5-1/2	19.5	8-11	3444	200				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Mud used
10-3/4	314	200	Pump & Plug		
7-5/8	4235	125	Pump & Plug		
5-1/2	6225	200	Pump & Plug	1.22	14,390 lbs.

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

DATES

Put to producing **July 1, 1957**
 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 **2541 MCF** Gallons gasoline per 1,000 cu. ft. of gas **no test**
 Rock pressure, lbs. per sq. in. **no test**

EMPLOYEES

Driller _____
Paul F. Kallodge Drilling Co.
 Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	TOPS FORMATION
3335	3568	233	OJO Alamo
3568	3832	264	Fruitland
3832	4030	198	Pictured Cliffs
4030	5653	1622	Louis
5653	5704	51	Cliffhouse
5704	5995	291	Manatee
5995	6179	184	Point Lockout
6179	6250	71	Manana

SUMMARY

5-17-57 Spudded 5 PM.
 5-20-57 Set 10-3/4" Casing @ 314' w/200 sx.
 5-28-57 Cored Pictured Cliffs 3822-3880'. Poor show 3834-3880'.
 5-31-57 Set 7-5/8" casing on btm with 125 sx.
 6-3-57 Run Electric logs.
 6-6-57 Set 5-1/2" 5/8" liner @ 6225' with 100 sx. Liner stopped @ 6225'. Top of liner at 4042'.
 6-7-57 Ran temp. survey top com. @ 3981'. Cemented over top of liner @ 4042' w/100 sx.
 6-10-57 6250' T.O. Drilled out Bridge Plug & com. in 5/8" liner to 6193'. FRTD, Perf Mesa Verde. Sand all from all perf. w/30,000 Gals. water, Using 500 rubber balls. Ran tbg & bit. Cleaned out 5817' to 5979'. Tbg sand up & stuck. Cut tbg @ 5890'. Pulled 2" tbg to fish for 89' of 2" tbg & bit.
 6-11-57 Washed over & recovered 89' of 2" tbg & bit. Washed out to 6193'.
 6-12-57 Perf. Pictured Cliffs & set bridge Plug @ 4043'. Sandwaterfree all 3 sets perf. w/50,000 gals waterfree down casg. using 250 rubber balls. Failed BP.
 6-13-57 Set Baker Model 2 per. 2-1/2" 2-1/2" tbg. on Mesa Verde Pictured Cliffs. Installed tree. Tbg released 20 hrs. 6-18-57

LOCALITY LOG RECORD—Continued

6-17-57 From 18 sets Mesa Verde Perf. sw. 75 BLW 5 hrs. Fl. 230 BLW 9 hrs. Open 2" ch. Gas vel. 2500 MCF per day. Shut in. Leak 4205 BLW. From 3 sets Pictured Cliffs Perf. sw. 120 BLW 12 hrs. Leak 730 BLW.
 6-21-57 From mesa verde fo. 20 BLW 12 hrs. 2" ch. gas vel. 2307 MCF per day. Leak 4125 BLW. From 3 sets pictured Cliffs perf. fl. 50 BLW 12 hrs. 2" ch. Gas vel. 1235 MCF per day. Leak 310 BLW.
 6-24-57 Mesa Verde shut in for gas pot. Pictured cliffs fl. 13 BLW 20 hrs. Gas at rate of 1700 MCF per day. Leak 277 BLW. shut in for gas Pot.
 7-2-57 (Potential test) From Mesa Verde Zone after 10 days S/I, TP 1769%. After 3 hrs. draw down on 48/64" ch. TP 195%. Gas Vel. 2436 MCF per day. Comp. 6-11-57.
 From Pictured Cliffs perf. after 7 days S/I TP-1069% CP 1069%. after 3 hrs. Draw down on 48/64" ch. TP 22.5%. Gas Vel 399 MCF per day. Calculated absolute open fl. 413 MCF per day. Comp. 6-11-57.