

Section 11

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Contr. # 96, Tr. 185**
LEASE OR PERMIT **30 PROSPECT**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Magnolia Petroleum Company Address Box 633, Midland, Texas
 Lessor or Tract Jicarilla "H" Field Pictured Cliffs State New Mexico
 Well No. 5 Sec. 11 T. 26-N R. 3-W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. N of 3 Line and 990 ft. E of W Line of Section 11 Elevation 7146 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 B. T. GERRANDate September 4, 1957Title B. T. GERRANThe summary on this page is for the condition of the well at above date. Division SuperintendentCommenced drilling July 12, 1957 Finished drilling July 28, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3696 to 3751 (G) No. 4, from _____ to _____
 No. 2, from 5432 to 5948 (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	8-41	Yugsta	306'					Surface
7-5/8	24	8-41	Yugsta	4000'					Intermediate
7-5/8	24	8-41	Yugsta	4000'					Intermediate
7-5/8	24	8-41	Yugsta	4000'					Intermediate
5-1/2	14	8-41	Yugsta	1200'					Oil String
5-1/2	14	8-41	Yugsta	1200'					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	306'	200	Pump & Plug		
7-5/8	4000'	200	Pump & Plug	59	11,995 lbs.
5-1/2	6050'	260	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 6050 feet, and from ***** feet to ***** feetCable tools were used from ***** feet to ***** feet, and from ***** feet to ***** feet

DATES

September 4, 1957 Put to producing Test & Shut in 8-28, 1957The 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 PC - 2586 AOF Gallons gasoline per 1,000 cu. ft. of gas No TestRock pressure, lbs. per sq. in. PC - 1425 AOF 1002 # SITP
MV - 294 1614 # SITP

Paul F. Rutledge, Contr. Driller

Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3244	3435	191	Ojo Alamo
3435	3664	229	Kirtland-Fruitland
3665	3754	89	Pictured Cliffs
3754	5432	1678	Lewis
5432	5481	49	Mesa Verde
5481	5820	339	Cliff House
5820	5950	130	Pt. Lookout
5950	6050	100	Mansu

SUMMARY

7-12-57 Spudded
 7-16-57 Set 10-3/4" csg on bottom at 306' w/200 Sx.
 7-23-57 Set 7-5/8" csg on bottom at 4000' w/200 Sx.
 7-28-57 Reached Total Depth of 6050'
 7-29-57 Set 2223' of 5 1/2" liner on bottom at 6050' w/150 Sx. Top of liner at 3827'.
 Temperature Survey top of cement at 5470'.
 7-30-57 Perf. 5 1/2" liner at 5455'; set retainer at 5379' and squeeze perf. w/100
 sx. TP 1000#. Prepare to cement over top of liner.
 7-31-57 Cemented over top of liner at 3827' w/100 sx. Drilled out retainer in 5 1/2"
 liner at 5700'.
 8-1-57 Drilled out plug and cement in 5 1/2" liner to 6010' PB. TD. Prepare to
 perforate Mesa Verde.
 8-2-57 Perf. 5 1/2" liner 5432-38', 5442-59', 5469-80', 5507-18', 5532-40', 5686-
 97', 5701-08', 5820-52', 5888-96', 5911-18', 5922-28' & 5936-48'. Sand-
 waterfree all perf. w/140,000 gals. CP 3100#, using 510 rubber balls.

LOGGING RECORD

8-5-57 Perf. 7-5/8" casing in Pictured Cliffs 3696-3703', 3707-16', 3722-32'
 & 3739-51'. Set Bridge Plug at 3827' and sandwaterfrac w/40,000 gals
 down casing. CP 3400#. Used 200 Rubber Balls.
 8-6-57 From 4 sets Pictured Cliffs perf. after 40,000 gals. sandwaterfrac,
 jetted 300 BLW, 6 hrs. Gas volume 2397 MCF per day. Lack 280 BLW.
 Pulled bridge plug from 3827'. Prepare to set Baker Production Packer
 and complete.
 8-7-57 Set Baker Production Packer at 5414'. Ran Mesa Verde Tubing and Gas
 Lift Valves. Ran Pictured Cliffs Tubing. Installing tree.
 9-29-57 Potential test Mesa Verde perf. (12 sets) after shut-in 7 days, TP
 1614#. Flow 3 hrs. 48/64" choke. End of 3 hrs., Gas Volume 3677 MCF
 per day. Flowing TP 296#. Calculated absolute open flow 4126 MCF gas
 per day. From 4 sets Pictured Cliffs perf. after shut-in 7 days, TP
 1002#, CP 1002#. Flow 3 hrs. 48/64" choke, Gas Volume 2163 MCF per
 day. Flowing TP 172#. Flowing CP 402#. Calculated absolute open flow
 2586 MCF per day. Completed August 5, 1957.
 Total Depth 6050'.
 PB Total Depth 6010'.

