

LEASE OR PERMIT TO PROSPECT Tr...165
Jicarilla "H"

Section 12

[illegible]

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company MAGNOLIA PETROLEUM COMPANY Address Box 633 Midland, Texas
 Lessor or Tract Jicarilla "H" Field Blanco State New Mexico
 Well No. 3 Sec. 12 T. 26N R. 3-W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. EX S of N Line and 990 ft. EX W of E Line of Section 12 Elevation 7124

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

Date October 29, 1957

R.T. GERMAN
Title: **Division Superintendent**

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

Commenced drilling June 30, 1957 Finished drilling September 22 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>3632</u>	to <u>3694</u>	(G)	No. 4, from _____	to _____	
No. 2, from <u>5442</u>	to <u>5654</u>	(G)	No. 5, from _____	to _____	
No. 3, from <u>5816</u>	to <u>5895</u>	(G)	No. 6, from _____	to _____	

IMPORTANT WATER SANDS

No. 1, from 1000 to 10000 to 100000
 No. 2, from 1000 to 10000 to 100000
 No. 3, from 1000 to 10000 to 100000
 No. 4, from 1000 to 10000 to 100000

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	302	200 sx	Pump & Plug		
7-5/8	4012	200 sx	Pump & Plug		
5-1/2	6030	200 sx	Pump & Plug		20,220#

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
壹吋半徑	壹號雷	壹號炸藥	壹萬磅	拾月廿二	一萬四千呎	六萬五千呎
壹吋半徑	壹號雷	壹號炸藥	壹萬磅	拾月廿三	一萬四千呎	六萬五千呎
壹吋半徑	壹號雷	壹號炸藥	壹萬磅	拾月廿四	一萬四千呎	六萬五千呎

TOOLS USED

Rotary tools were used from 0 feet to 6340 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

-----October 29-----, 19--57 Put to producing -----October 5-----, 19--57

The production for the first 24 hours was 1074 MCF barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity °Bé

If gas well, cu. ft. per 24 hours 1673.47 Gallons gasoline per 1,000 cu. ft. of gas 1.00

Rock pressure, lbs. per sq. in. 21,333-22,444

Mc. CANN, 11487
EMPLOYEES

PAUL F. NUTTLEDGE, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3273	3406	133	Ojo Alamo
3406	3620	214	Kirtland-Fruitland
3620	3710	90	Pictured Cliffs
3710	5404	1694	Lewis
5404	5436	32	Cliff House
5436	5812	326	Manekee
5812	5951	139	Point Lookout
5951	6030	79	Manous

SUMMARY

Workings

6-30-57 Spudded
7-5-57 WOC 10-3/4" Casing On bottom with 200 sx.
9-12-57 Down 12 hrs. Fishing for 8-6" Drill Collars & bit. Top fish @ 1922'. Stuck while coming out of hole.
9-13-57 Recovered all of fish 8 hrs.
9-17-57 Running Elec. Logs.
9-18-57 WOC 7-5/8" Casing on bottom with 200 sx.
9-23-57 WOC 2252' of 5 1/2" Liner on bottom with 150 sx. Top Liner @ 3778'.
9-24-57 WOC 5 1/2" Liner on bottom with 150 sx cement. Recemented 5 1/2" Liner thru perf. 5440' with 100 sx.
9-25-57 Cemented over top of liner with 100 sx. TP-2500#.
9-26-57 Drilling out cement in 5 1/2" Casing @ 5830'.
9-27-57 Drilled out Plug & cement in 5 1/2" liner to 5971'. Prep. to Perforate.
9-30-57 Perf. 5 1/2" Liner Mesa Verde 5816-5864', 5892-5895'. Sandwater with 32,000 Gals. Down casing. Spearheaded with 4000 Gals acid. GP-3000-2500#. Using 100 rubber Balls. Flow back 200 BLW 3 hrs. Open 3" and died. Ran 2" tbg. Jetted 100 BLW.

COVERED

19--43004-1

10-1-57 Re-Perforate 5½" Liner 5816-64', 5892'-5895' with 6 shots per ft. Prep. to Re-Frac with 80,000 Gals.

10-2-57 Re-Frac 2 sets Mesa Verde Perf. with 80,000 Gals. CP-2100-600#. Using 120 rubber balls. Flow & jet 500 BLW 13 hrs. Jetting 3000'.

10-3-57 From 2 sets Mesa Verde Perf. after 80,000 Gals. Sandwaterfrac jetted 250 BLW 24 hrs. at 5965'. Gas volume 490 MCF per day.

10-4-57 Perf. 5½" Liner 5442-5448', 5463-5468', 5470-5475', 5487-5484' & 5646-5654'. Set bridge Plug @ 5700'. Sandwaterfrac 5 sets Mesa Verde Perf. with 30,000 Gals. CP-3000-1500#. Using 100 rubber balls. Flowed back 600 BLW 3 hrs.

10-7-57 From 5 top sets Mesa Verde Perf. after 30,000 Gals Sandwaterfrac, jet 600 BLW 24 hr. at 5695'. Gas Insufficient to measure. Pulled Bridge Plug @ 5700'. Perf. 7-5/8" C Casing 3632-3644' and 3685-3694' in Pictured Cliffs. Set Bridge Plug @ 3779'. Sandwaterfrac with 20,000 Gals. CP-1200-1050#. Using 50 rubber balls. Flow & Jet 500 BLW 32 hrs. Gas Insufficient to measure.

10-8-57 From Pictured Cliffs after 20,000 Gals Sandwaterfrac jetted 50 BLW 24 hrs. at 3775'. Gas Insufficient to measure.

10-9-57 Pulled Bridge Plug @ 3779'. Set Baker Prod. Pkr. @ 5410'. Running Mesa Verde tbgs & Gas Lift Valves to complete.

10-10-57 Ran Mesa Verde tbgs. with 4 gas lift valves. Ran Pictured Cliffs Tbg. Rig released 10-9-57. Both zones S/I to connect up Gas Lift Valves.

10-14-57 Both zones flow 175 BLW in 48 hrs. Gas on Mesa Verde Measured 1947 MCF per day. Pictured Cliffs measured 869 MCF per day.

10-16-57 Shut in for Potential.

10-25-57 Potential test Mesa Verde, S/I 8 Days, TP-1401#. Flow 3 hrs. 48/64" ch. TP-107#. Gas measured 1377 MCF per day. Calculated open flow. Potential 1405 MCF per day. From Pictured Cliffs perf. S/I 8 days. CP-1146#. TP-1142#.

