

U. S. LAND OFFICE Sicardilla Tribal
SERIAL NUMBER Cont. 794, Tr. 163
LEASE OR PERMIT TO PROSPECT Sicardilla, 794

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Magnolia Petroleum Company Address P. O. Box 433, Midland, Texas
Lessor or Tract Nuecesville "F" Field Klanco State New Mexico
Well No. 1 Sec. 22 T. 27N. R. 3W. Meridian H.M.P.M. County Rio Arriba
Location 990 ft. 3 of E Line and 14 ft. 1 of E Line of Section 22 Elevation 7159 (Net)

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

Commenced drilling **April 25** 19 **54** Finished drilling **May 23** 19 **54**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3880' to 3989' No. 4, from _____ to _____
 No. 2, from 3734' to 3775' No. 5, from _____ to _____
 No. 3, from 4030' to 4214' No. 6, from _____ to _____

IMPORTANT WATER SAVING TIPS

No. 1, from ~~Page~~ to No. 3, from to
No. 2 from to No. 4 from to

CASING RECORD

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#	8PT	E-10	244'					
7-3/4"	24.75#	8PT	E-10	244'					
7-3/4"	24.75#	8PT	E-10	244'					
5-1/2"	19.75#	8PT	E-10	244'					
HEILOCK OF OIL ON CYR LEFT									
							TO - 75004-3	BY - ROBERTSON DRILLING SERVICE	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	274'	200 sq.	Circulated		
7-5/8"	4120'	150 sq.	Pump & Plug	1.16	125 bbls.
5-1/2"	4900'	150 sq.	" " "	1.07	20 bbls.

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

SHOOTING RECORD							
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out	

TOOLS USED

Rotary tools were used from 0 feet to 400 feet, and from 400 feet to 400 feet.

Cable tools were used from 0 feet to 400 feet, and from 400 feet to 400 feet.

DATES

Well was placed on Potential
Test and then Shut-In, 19_____

If gas well, cu. ft. per 24 hours Estimated 11,000,000 Btu per 1,000 cu. ft. of gas 11,000,000

Rock pressure, lbs. per sq. in. **Mean Value 5000 ME70**
Plotted CI422 (GP 1078) Mean Value (TP 1761)

EMPLOYEES		DATE		LOCATION	
Marion Bros., Inc.	Driller				Driller
Oil & Gas Building	Driller				Driller
Wichita Falls, Texas					

FORMATION RECORD

FORMATION RECORD

FORMATION RECORD		FORMATION RECORD	
FROM—	TO—	TOTAL FEET	FORMATION
3380'	3577'	197'	630 Alamo
3577'	3678'	301'	Marland-Fruitland
3678'	3701'	1823'	Pictured Cliff
3701'	3790'	49'	Cliff House
3790'	6090'	220'	Point Lockport
6090'	6270'	240'	Mamers

SUMMARY OF OPERATIONS

4-23-54 Spudded.
4-24-54 Set 10-3/4" casing on bottom @ 274' w/200 ac cement, circulated.
Tested 10-3/4" casing with 2000# for 30 min before and after drilling plug, tested OK, no break.
4-7-56 Set 7-5/8" casing on bottom @ 4190' w/150 ac cement. Temp. Survey top cement @ 3470'. Tested 7-5/8" casing with 1000# for 30 min before and after drilling plug, tested OK, no break.
5-24-54 Set 5-1/2" liner on bottom @ 6300' w/150 ac cement. Top of liner @ 4039'. Temp. Survey top cement @ 5930'. Tested 5-1/2" liner with 1000# for 30 min before and after drilling plug, tested OK, no break.
5-28-54 Set Retainer @ 3940'. Cemented over top of 5-1/2" liner @ 4039' w/175 ac. Tested with 1000#. Drilled out plugs & cement in 5-1/2" liner to 6250', plug back total depth. Tested 5-1/2" liner @ 4034' with 1000# 30 min, no break. No Temp. Survey. Bottom of cement @ 4000'.
5-29-54 Ran Elec. logs. Perf 5-1/2" liner, 6073-6101', 6109-6117', 6130-6139', 6143-6149', 6177-6193' & 6300-6314' with 4 shots per ft.
5-31-54 Waterflood all perf. down ending with 75,000 gals. CP 1300-1350#. Shut-in 24 hrs. CP 1300-1350#. Ran tubing & packer and swab. Estimated 200 bbls lead water in 20 min, 1500' FWH, no gas.
6-3-56 Swab 60 bbls lead water in 20 hrs. Shut-in 30 min, CP 100#. Flow 10 bbls lead water in 20 min, died. Ran tubing & packer and swab 63 bbls lead water in 6 hrs.
6-4-56 From all perf, flow gas & water to pits, 6 hrs, gas @ rate of 3130' MCF per day, no pressures. Killed well, pulled tubing & packer. Perf 5-1/2" casing 5945-5950', 5970-5975', 6007-6017' & 6030-6050'. Sand Water Frac with 50,000 gals, CP 1700#. Shut-in 30 min, CP 100#. Flow 10 bbls lead water in 20 min, died. Ran tubing & packer and swab 63 bbls lead water in 6 hrs.
6-5-56 Swab estimated 105 bbls lead water in 20 hrs, 1500' FWH, no gas.
6-6-56 From perf 5945-5950', 5970-5975', 6007-6017' & 6030-6050' swab 300 bbls lead water to pits in 13 hrs, flow to pits 11 hrs. Open 2" tubing, flow gas at rate of 2300 MCF per day.
6-7-56 Pulled tubing, packer & Bridge Plug @ 6062'. Perf 5-1/2" casing 5738-5748', 5810-5838' & 5856-5865' w/6 shots per ft. Set Bridge Plug @ 5906'.
6-11-56 Water Frac perf 5738-5748', 5810-5838', 5856-5865' w/50,000 gals. CP 1200-1200#. Shut-in CP 500#. Flow 3 bbls lead water in 3 hrs thru open 2" tubing. Ran 2" tubing & packer & swab 250 bbls lead water in 12 hrs. Flow 200 bbls lead water 12 hrs thru open 2" tubing gas @ rate of 1519 MCF per day. Pulled tubing. Perf 7-5/8" casing 3880-3887', 3895-3907' & 3973-3989' with 6 shots per ft. Set Bridge Plug @ 4000'. Sand Water Frac perf with 60,000 gals, CP 1500-600#. Flow 150 bbls lead water 2 hrs thru open 2" tubing.
6-12-56 Flowed 50 bbls lead water thru open 2" tubing and died. Ran tubing and packer, swab 300 bbls lead water in 14 hrs. Kicked off and flow spray of water thru open 2" tubing 4 hrs, gas val. 1065 MCF per day.
6-13-56 Killed well. Pulled tubing, packer & bridge plug @ 4000'. Set packer @ 5700'. Ran 2" tubing to 5700'.
6-14-56 Installed dual head. Ran dual tubing string.
6-15-56 Moved off Rotary. Moved in Swab Unit. From perf in Pictured Cliff swab 365 bbls lead water in 28 hrs. From 13 sets Mesa Verde Perf, swab 180 bbls lead water in 18 hrs. For 4 hrs flow to pits spray of water and good blow of gas.
6-21-56 Flow to pits 8 hrs @ rate of 4295 MCF per day thru open 2" tubing. Shut in for gas potential. From Pictured Cliff on open 2" tubing for 3 hrs, flow gas at rate of 869 MCF per day. Shut in for Gas Potential.
6-29-56 On Potential Test, after 7 days shut-in, Pictured Cliff CP 1070#. After 3 hrs blow down, flow gas at rate of 812 MCF per day on 3/4" ch, CP 216#. Absolute Open Flow 845 MCF per day. Potential Test Mesa Verde 13 sets perf, after 7 days shut-in, TP 1761#. After 3 hrs blow down, flow gas at rate of 800 MCF per day on open 2" tubing.