

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 "F" Well # 2 Field Extension of Blanco State New Mexico
Well No. #2 Sec. 27 T. 27N R. 3W Meridian N.M.P.M. County Hio Arriba Est.
Location 990 ft. [S.] of 8 Line and 990 ft. [W.] of 8 Line of Section 27 (Elevation 7276)
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 Harve H. Mayfield Title Asst. Div. Superintendent
Date November 12, 1956
The summary on this page is for the condition of the well at above date.

Commenced drilling September 20, 1956 Finished drilling October 10, 1956OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4000' to 4098'(G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from 5780' to 6326'(G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from NONE to NONE 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	
8-5/8"	29#	8VT	LW	338'					
5 1/2"	18#	8VT	LW	338'					
5 1/2"	18#	8VT	LW	338'					
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	338'	180	Circulate		
5 1/2"	6365'	300	Pump & Plug	1.080+	158 BBL

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 6365' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Was placed on Potential test and then shut in. Put to producing all now shut in waiting on sale of gas
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. .65
If gas well, cu. ft. per 24 hours 5590 MCF Gallons gasoline per 1,000 cu. ft. of gas No Test
Rock pressure, lbs. per sq. in. TP-312# CP-997#

_____, Driller
King Drilling Company, Driller
2508 Mesquite Dr., Driller
Farmington, New Mexico

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3525'	3720'	195'	OJO Alamo
3720'	4000'	280'	Kirtland Fruitland
4000'	4098'	98'	Pictured Cliff
4098'	5778'	1680'	Lewis
5778'	5837'	59'	Cliff House
5837'	6140'	303'	Mesa Verde
6140'	6326'	186'	Point Lookout
6326'	6365'	39'	Mancos

SUMMARY OF OPERATIONS

9-20-56 Spudded.
9-21-56 After setting 338' of 8-5/8" casing on bottom @ 338' with 180 sz Cement, circulated. Tested with 500# for 30 min before and after drilling plugs, tested OK, no break.
10-12-56 After setting 5-1/2" casing on bottom at 6365' with 100 sz cement, Temperature Survey top of Cement @ 6176'. Ran Temperature Survey and found top of cement @ 6230'. Set retainer at 6190' and re cemented 5-1/2" casing with 50 sz cement. Ran Temperature Survey to 6185', no cement. Set retainer at 6161' and re cemented 5 1/2" casing with 50 sz cement. Temperature Survey top of cement at 6130'. Set retainer at 6085' and re cemented 5 1/2" casing with 100 sz cement. Survey top of cement at 5420'. Drilled out cement & plugs in 5 1/2" casing to 6330' PBTD. Tested with 1000#. Tested OK, no break.

10-23-56 6365' T.D. From 13 sets Mesa Verde Perf. fl. 30 BLW 11 hrs. thru open 2" end of 59 hrs. Gas Volume was 1865 MCF per day. Shut in for gas potential 3 PM 10-29-56, Lack 3180 BLW.
10-24-56 6330' PBTD. 6365' T.D. Moving off rotary. Shut down A/c Rain.
10-25-56 6330' PBTD. 6365' T.D. Moving in Swab Unit to test.
10-26-56 6365' T.D. From 13 set Mesa Verde Perf. after 180,000 Gals. Sand-Water frac swb 200 BLW 8 hrs. No gas. 5300' FIH. Lack 4290 BLW.
10-29-56 6365' T.D. From 13 sets Mesa Verde. Perf fl. 460 BLW 48 hrs. Open 2" Tubing 48 hrs. Gas vol. at end of 48 hrs. 1947 MCF per day. Lack 3210 BLW.
10-30-56 6365' T.D. From 13 sets Mesa Verde Perf. fl. 30 BLW 11 hrs. thru open 2" end of 59 hrs. Gas Volume was 1865 MCF per day. Shut in for gas potential 3 PM 10-29-56, Lack 3180 BLW.
11-7-56 6365' T.D. From 13 set Mesa Verde Perf. after 7 Days SZI, TP 1653#, CP 1652#. On Pot. Test. after 3 hrs. blow down, 3/4" choke. Gas at Vol. of 3970 MCF per day. Calculated open fl. 5590 MCF Per day. TP 312#. CP 997#. Comp. 10-20-56.