

U. S. LAND OFFICE Jicarilla Tribal
SERIAL NUMBER Contr. # 37
LEASE OR PERMIT TO PROSPECT _____
Jicarilla "C"

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 633 Midland, Texas
 Lessor or Tract Jicarilla "C" Field Tapicito State New Mexico
 Well No. 3 Sec. 8 T. 26N R. 3-W Meridian N.M.P.M. County Rio Arriba
 Location 1650 ft. N. of A. Line and 990 ft. E. of E. Line of Sec. 8 Elevation 6941 D.F.

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 December 11, 1957

Title HARVE H. MAYFIELD
Assistant Div. Superintendent

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

Commenced drilling September 17, 1957 Finished drilling October 7, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3618 to 3680' (C) No. 4, from to
No. 2, from 5342 to 5366 (G) 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
							From—	To—	
10-3/4	32.75	8-PT	Ingstr	321			None		Surface
7-5/8	24.10	8-PT	Ingstr	250			250	250	Immediate
5-1/2	14.50	8-PT	Ingstr	211			211	211	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	921	500	Pump & Plug		
7-5/8	3720	175	Pump & Plug		
5-1/2	5876	375	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug			Adapters		
Material	1	2	Material	1	2
Length	1	2	Size	1	2
Depth set	1	2			

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
60-89	Mk II	TNT	75 lbs	May 1944	100 yds	100 yds
60-89	Mk II	TNT	75 lbs	May 1944	100 yds	100 yds

TOOLS USED

Rotary tools were used from 0 feet to 5876 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

Mesa Verde Temp. Abnd 12-8-57		Mesa Verde Temp Abnd Dec. 8, 1957	
December 9,	57	Put to producing	Shut in December 9, 1957
The production for the first 24 hours was	0	barrels of fluid of which	0 % was oil; 0 %
emulsion; 0 % water; and 0 % sediment.		Gravity, °Bé.	

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

Rock pressure, lbs. per sq. in. **39, Pictured Cliffs.** **Mesa Verde Temp. Abnd. Dec. 2, 1957**

PAUL F. RUTLEDGE, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3223	3350	127	OJO Alamo
3350	3597	247	Kirtland Fruitland
3597	3703	106	Pictured Cliffs
3703	5304	1601	Lewis
5304	5426	122	Cliff House
5426	5764	338	Menefee
5764	5876	112	Point Lookout

PERMEATIONS AND FRACTURE

MESA VERDE PLANTATIONS: 5341-46', 5357-60', 5373-78', 5387-5402' 5367-70',
5776-5803', 5814-38', 5846-66' with 6 shots per ft.
Sandwaterfracs with 110,000 Gals and used 500 Balls

Pictured Cliffs : 3618-3624', 3659-3680'. Sandwaterfrac with 27,000 Gals.
Used 120 rubber balls.

SUMMARY

9-17-57 Spudded
9-18-57 WOC 10-3/4" Casing on bottom with 300 sx. cement.
9-19-57 WOC 10-3/4" Casing on bottom. Recemented over top of 10-3/4" Casing with 200 sx.
9-30-57 Set 7-5/8" Casing on bottom @ 3920' with 175 Sx cement.
10-2-57 Blowing to dry up hole past 16 hrs. Drilling gas to wet to drill with.
10-7-57 Blowing hole to dry up past 44 hrs. at 5350'.
10-8-57 Running 5 1/2" Liner to be cemented on bottom. Ran Gamma Ray & Neutron logs.

U.S. LAND OFFICE
WASHINGTON, D.C.
JAN 17 1961

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Sec. 21 T. 12 N. R. 10 E. M. 10

Location of well in Sec. 21 T. 12 N. R. 10 E. M. 10 of Range 10 N. and Meridian 10 E.

Well No. 1

Owner or Trust

Field

State

County

Address

Company

_____ Date

_____ Title

The summary on this page is for the condition of the well as above data.

_____ Completed drilling _____ Finished drilling _____

(Borole das in G)
OIL OR GAS SANDS OR ZONES

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RECEIVED
DEC 7 1964
U.S. AIR FORCE
DIST 8

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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "underlashed" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-42094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

QJ07
MSIAM

FORMATION RECORD—Continued

10-9-57 WOC 2114' of 5½" Liner on btm. Top of Liner at 3762'. Cemented with 175 cu. Perf. 5½" Liner @ 5400'. Prep. to re cement 5½" Liner.

10-10-57 WOC on 5½" Liner on btm. Perf 5½" Liner @ 5325'. Cemented thru perf. with 100 cu. Cemented over top of Liner @ 3762' with 100 cu.

10-11-57 Drilled out cement in 7-5/8" Casing to top of 5½" Liner @ 3762'. Rig released 10-10-57. Will move out rig & move in completion rig.

10-14-57 Down past 48 hrs on act. of rain.

10-21-57 Moved in McKinney Drilling Company. Ran 2" tbg & Bit. Prep to drill Plugs in 5½" Liner.

10-24-57 Drilled Plugs in 5½" Liner to 5875' FBTD. Running logs. Prep. to Perf. Mesa Verde.

10-25-57 Perf. 5½" Liner: Mesa Verde 5341-46', 5357-60', 5367-70', 5373-78', 5387-5402', 5776-5803', 5814'-38', & 5846-66' with 6 shots per foot. Sandwaterfrac perf. with 110,000 Gals. Max. Press. 1800#. using 500 rubber balls. Flow back 200 BLW in 3 hrs. & died. Now running tbg.

10-28-57 From 8 sets Mesa Verde Perf. Jetted 300 BLW in 48 hrs. No formation Gas.

10-29-57 From 8 sets Mesa Verde Perf. Jetted 50 BLW in 24 hrs. at 5870'. Gas volume 78 MCF per day.

10-31-57 5876' Total Depth. Perf. 7-5/8" Casing in Pictured Cliffs 3618-3624', & 3659-80'. Set Bridge Plug @ 3763'. Sandwaterfrac down casing with 27,000 Gals. C.P -2300#. Using 120 rubber balls. Jetted 100 BLW in 4 hrs. at 1500'.

11-1-57 From 2 sets Pictured Cliffs Perf. after 27,000 Gals sandwaterfrac, jet 150 BLW in 24 hrs. at 3760'. Gas volume 167 MCF per day. Prep. to complete.

11-4-57 Pulled Bridge Plug @ 3763'. Set Baker Feed. Pkr. @ 5317'. Ran dual strings tbg. Released righ 11-2-57. From both zones flow by G.L. 130 BLW in 13 hrs.

11-7-57 From both zones flow by gas lift 120 BLW in 24 hrs. No Gas.

11-22-57 Both zones flow 10 BLW in 12 hrs. Shut in Mesa Verde. From 2 sets Pictured Cliffs Perf. flow 35 BLW 6 BNO in 12 hrs. Gas volume 1235 MCF per day.

11-26-57 From both zones flow 75 BLW in 24 hrs. CP-460#. Gas volume 751 MCF per day.

11-27-57 Both zones flow 50 BLW 24 hrs. thru open 2" cp-460#. Gas volume 300 MCF per day.

12-2-57 Closed gas lift sleeves. Mesa Verde dead. Pictured Cliffs shut in for Pot. Test 11-30-57.

12-9-57 8 sets Mesa Verde Perf. after 8 days Shut in TP-912#. Opened flowed 2 hrs. on 48/64" Ch. Died Mesa Verde Tap. Abnd 12-8-57. Potential test 2 sets Pictured Cliffs perf. after 8 days shut in CP-961#. Flow 3 hrs. on 48/64" Ch. Flow CP-115#. Flowing TP-39#. Flowed gas at rate of 593 MCF per day. Calculated absolute open flow 602 MCF per day. Completed 10-30-57.

THE CIVIL SERVICE COMMISSION

REPLY TO MEMORANDUM FOR THE CHIEF OF BUREAU OF THE CIVIL SERVICE COMMISSION

RECEIVED

MEMORANDUM FOR THE CHIEF OF BUREAU OF THE CIVIL SERVICE COMMISSION

RE: MEMORANDUM FOR THE CHIEF OF BUREAU OF THE CIVIL SERVICE COMMISSION

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