

U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Contr. #94, Tract 183**LEASE OR PERMIT TO PROSPECT
Jicarilla "F"**INDIAN LANDS**

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Magnolia Petroleum Co.** Address **Box 2406, Hobbs, New Mexico**
Lessor or Tract **Jicarilla "F"** Field **Blanco** State **New Mexico**
Well No. **6** Sec. **27** T. **27N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **S.** of **N.** Line and **990** ft. **E.** of **E.** Line of **Sec. 27** Elevation **7378'**
(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

Date **November 7, 1958**Title **District Superintendent**

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

Commenced drilling **9-10**, 19**58** Finished drilling **9-23**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **407 1/2** to **4157** (G) No. 4, from _____ to _____
No. 2, from **586 1/2** to **634 1/2** (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-RT	H-40	295					Surface String
7-5/8	24.10	8-RT	H-40	4378			407 1/2	4157	Intermediate
5	15 1/2	8-RT	H-40	2221			586 1/2	634 1/2	Flow

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	307	240	Pump & Plug		
7-5/8	4390	125	Pump & Plug		
5	6440	225	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 _____ feet to **6440'** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 6, 19**58** Put to producing _____, 19____
The 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____
See Attachment

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3556	3768	212	Ojo Alamo
3768	4057	289	Kirtland Fruitland
4057	4163	106	Pictured Cliffs
4163	586 1/2	1701	Lewis
586 1/2	5905	41	Cliffhouse
5905	6200	295	Mamefee
6200	6382	182	Point Lookout
6382	6440	58	Mamee

PERFORATIONS

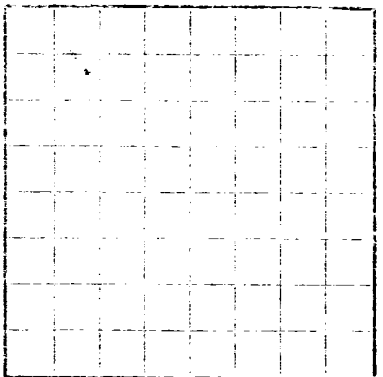
Perforated **407 1/2-4092, 4142-4157, 586 1/2-5869, 587 1/2-5878, 6183-6194, 6238-6242, 6254-6267, 6270-6275, 6299-6305, 6336-6344 w/178 shots.**

POTENTIAL

Potential test completed **11-6-58**. Mesa Verde zone after shut in **168 hrs.** TP **1610#**, flowed well **3 hrs.** on **3/4"** choke w/gas @ rate of **4146 MCF/day**. FTP **331'**. CAOF **4901 MCF/day**.

Pictured Cliffs zone after shut in **168 hrs.**, TP **961#**, GP **985#**, flowed well **3 hrs.** on **3/4"** choke w/gas @ rate of **1164 MCF/day**. FTP **88#**, GP **292#**, CAOF **1262 MCF/day**.

(Continued attached sheet)



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Company _____
Lessor or Trust _____
Well No. _____
Location _____
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 _____

The summary on this page is for the location of the well at above data.
(Commenced drilling _____, 19____, finished drilling _____)

OIL OR GAS SALES OR ZONES

No. _____
Name _____
No. _____
Name _____
No. _____
Name _____

WATER AND WATER ZONES

No. _____
Name _____
No. _____
Name _____

CASING RECORD

Size _____
Length _____
Weight _____
Type _____

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 "sidetracked" 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 plugs 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

FROM—		TO—		TOTAL FEET		FORMATION	
Casing		Casing		Casing		Casing	
Plug		Plug		Plug		Plug	
Shot		Shot		Shot		Shot	
Water		Water		Water		Water	
Oil		Oil		Oil		Oil	
Gas		Gas		Gas		Gas	
Mud		Mud		Mud		Mud	
Sand		Sand		Sand		Sand	
Gravel		Gravel		Gravel		Gravel	
Clay		Clay		Clay		Clay	
Limestone		Limestone		Limestone		Limestone	
Sandstone		Sandstone		Sandstone		Sandstone	
Shale		Shale		Shale		Shale	
Siltstone		Siltstone		Siltstone		Siltstone	
Mudstone		Mudstone		Mudstone		Mudstone	
Gypsum		Gypsum		Gypsum		Gypsum	
Salt		Salt		Salt		Salt	
Other		Other		Other		Other	



SUMMARY

8-26-58 Location staked.
 9-10-58 Commenced drilling operations (spud date).
 9-10-58 Ran 295' (10 jts.) 10-3/4" csg. set @ 307 cemented w/240 sks. neat.
 PD 7:00 p.m. Circ. cement. WOC 24 hrs.
 9-11-58 Tested 10-3/4" csg. w/800# for 30 mins., held O.K.
 9-20-58 Schlumberger ran Electrical and Induction logs to 4354'.
 9-20-58 Ran 4378' (138 jts.) 7-5/8" csg. cemented @ 4390 w/75 sks. 6% Gel. +
 1/2# Floccal per sk. + 50 sks. neat. PD 12:30 p.m. WOC 24 hrs.
 9-20-58 B & R Service, Inc. ran Temperature Survey, top cement @ 3920'.
 9-21-58 Tested 7-5/8" csg. w/800# for 30 mins., held O.K.
 9-23-58 Drd. to total depth - 6440'.
 9-23-58 Schlumberger ran Induction & Gamma Ray to 6442'.
 9-24-58 Ran 2227' (74 jts.) 5" liner cemented @ 6440' w/200 sks 6% Gel. + 1/2#
 Floccal per sk. + 25 sks. neat. PD 1:00 a.m. Top liner @ 4218'. WOC.
 B & R Service, Inc. ran temperature survey, top cement 4218'.
 9-24-58 Rig released 10:00 a.m.
 10-4-58 S. S. Reames moved in completion rig.
 10-5-58 Drdg. cement 6322-6405' PBD, & tested 5" liner w/3000# for 30 mins. before
 & after drlg. plug, no break.
 10-5-58 Schlumberger ran Neutron log, casing collar log, and perforating record to
 6379 & perf. 5" liner 5864-69, 5874-78, 6183-94, 6238-42, 6254-67, 6270-75,
 6299-6305, 6336-44 w/112 bullets.
 10-6-58 Howco sand water fracs perfs. w/71,000 gals wtr. + 65,000# 20-40 mesh sand.
 BD 2000-1000. Max. TP 3500#. Min. TP 1100#. Inj. rate 53.1 BPM. 5 min.
 SIP O#.
 10-8-58 Schlumberger perf. 7-5/8" csg. 4074-92, 4142-57 w/66 super bullets. Ran
 Baker Model "D" prod. pkr. set @ 5820, ran DR plug set in pkr. @ 5820'.
 Howco sand wtr. fracs perf w/99,000 gals wtr. + 49,500# 20-40 mesh sand,
 BD 970-850#. Max TP 850, min. TP 570#, inj. rate 65.6 BPM, 5 min. SIP
 300#.
 10-10-58 Ran Mesa Verde 2" tbg. (192 jts.) + 4 Merla gas lift valves (5811') set
 @ 5820' on pkr. + 19 jts. 2" hydrill (522') bottomed @ 6342'. Seating
 nipple @ 6315'. Ran Pictured Cliffs 2" tbg. (143 jts.) 4148' set @
 4157, seating nipple @ 4126.
 10-10-58 Rig released @ 10:00 p.m.
 10-20-58 Shut in for potential test.
 10-27-58 Attempted to potential well, had leak while testing Mesa Verde.
 10-28-58 Otis opened & closed sleeves.
 10-29-58 Shut in for potential test.
 11-6-58 Potential test completed.

