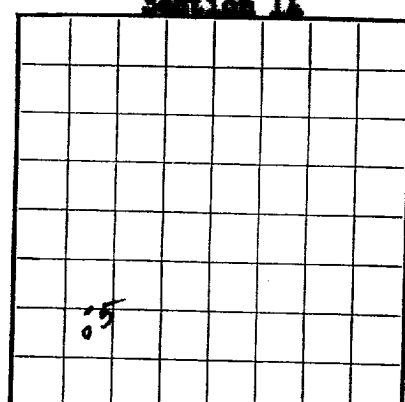


Section 14



LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Contrast 99, Tr. 190**
LEASE OR PERMIT TO PROSPECT **Jicarilla "D"**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 "D"** Field **Blanco** State **New Mexico**
Well No. **5** Sec. **14** T. **24-N** R. **3-W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **N** of **S** Line and **640** ft. **E** of **W** Line of **Section 14** Elevation **7299**
(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 **E. T. VERNAN**Title **Division Superintendent**Date **October 2, 1957**

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

Commenced drilling **August 10, 1957** Finished drilling **September 4, 1957**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3782** to **3841** No. 4, from _____ to _____
No. 2, from **5514** to **6062** No. 5, from _____ to _____
No. 3, from _____ to _____ 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—	
10-3/4	32.75	8-RT	Rep.	300'					Surface
7-5/8	26.40	8-RT	Rep.	300'					Intermediate
5 1/2	15.50	8-RT	Rep.	300'					Oil string
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where put	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	300'	250 ex	Pump & Plug		
7-5/8	4070'	200 ex	Pump & Plug	35	37,946 lbs.
5 1/2	6150'	200 ex	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 **6150'** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 2, 1957 Put to producing **September 23, 1957**, 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 **1565 MCF** Gallons gasoline per 1,000 cu. ft. of gas **No Feet**
Rock pressure, lbs. per sq. in. **119 #**

EMPLOYEES

Paul F. Rutledge, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3382	3560	178	Ojo Alamo
3560	3770	210	Kirtland Fruitland
3770	3844	74	Pictured Cliffs
3844	5513	1669	Lordsburg
5513	5516	3	Cliff House
5566	5889	323	Mesa Verde
5889	6064	175	Point Lookout
6064	6150	86	Mancos

SUMMARY

8-10-57 Spudded
8-12-57 WOC 10-3/4" Casing on btm with 2500x cement.
8-21-57 Ran elec. Logs and 7-5/8" Casing on btm.
8-22-57 WOC 7-5/8" Casing on btm with 200 ex cement by temp survey @ 2900'.
8-23-57 Drilled plug in 7-5/8" Casing. Bleeding hole dry to drill ahead.
8-27-57 WOC 2264' of 5 1/2" Liner on btm with 125 ex cement. Top of liner @ 3886'.
8-28-57 WOC 5 1/2" Liner on btm. Cemented over top of liner @ 3886' with 75 ex. TP-3000#.
8-29-57 Washing out inside 5 1/2" Liner @ 6080'. Down 2 hrs. Repairing Rig.
8-30-57 6150' T.D. Drilled out Plug & cement, in 5 1/2" Liner to 6115' FBTD.
9-3-57 Perf. Mesa Verde 5514-5523, 5535-5549', 5558-5565', 5610-5618', 5772-5780',
5891-5930', 5959-5966', 5972-5976', 5986-5990', 6016-6026', 6056-6062',
Sandwaterfrac down casing with 100,000 gals. GP-2500#. Using 500 rubber balls.
Flowed & Jetted 1400 BLW 41 hrs. Gas volume 530 MCF per day. Killed well to
Pull tubing & Perf. Pictured Cliffs.9-4-57, 6150' TD Perf. 7-5/8" Casing 3782-99', 3831'-44', Set Bridge Plug @ 3901'.
Sandwaterfrac perf. with 30,000 Gals. down casing. GP-1400#. Using 135 rubber
balls. Flowed & Jetted 1400 BLW 41 hrs. Gas vol. 50 MCF per day. Killed well.
9-5-57 Pulled bridge plug at 3901'. Set pipe 5494'. Run Mesa Verde tubing & gas
Lift valves for completion.
9-6-57 Ran Pictured Cliffs Tubing. Rig released 9-5-57.
9-10-57 From 11 sets Mesa Verde Perf. flow 200 BLW 24 hrs. Gas volume 1235 MCF per day.
Pictured Cliffs. S/I
9-12-57 From 12 sets Mesa Verde Perf flow 50 BLW 24 hrs. Gas volume 1065 MCF per day.
Pictured Cliffs dead. Attempting to kick off both zones.
9-13-57 Mesa Verde shut in 2 sets pictured Cliffs flow 25 BLW 25 BNO 12 hrs. Open 2"
No gas.
9-16-57 Both zones shut in for gas potential. 9-16-57.
9-24-57 Potential test 12 sets Mesa Verde Perf. shut in 7 days. TP-1519#. Flow 3 hrs.
48/64" ohk. Flowing TP-119#. Gas volume 1531 MCF Per day. Calculated
absolute open flow. 1565 MCF per day. Completed 9-4-57. 2 sets Pictured Cliffs
S/I 7 days. TP-911#. GP-899#. Flow 1 1/2 hrs. died. Gas insuff. to measure.
Pictured Cliffs Temp. abnd. 9-24-57/

LOCATE WELL CORRECTLY

Company Name _____
Address _____
City _____ State _____ Zip _____
Telephone _____
Person or Firm _____
Title _____
Location _____
The information given herewith is a complete and correct record of the well and its work done thereon
as far as can be determined from all available records.
Signed _____
Date _____

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

ON THE SANDS OF FORNIA

[illegible][illegible]

FIVE

[illegible][illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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 the 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

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[illegible]

FORMATION RECORD—Continued

[illegible]