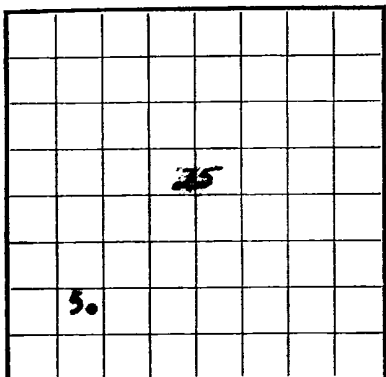


Form 9-330

INDIAN LAND

U. S. LAND OFFICE **Hicarilla Tribal**
SERIAL NUMBER **Contr. #95, Tract 184**
LEASE OR PERMIT TO PROSPECT **Hicarilla "G"**



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

RECEIVED
AUG 7 1958
U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

Company **Magnolia Petroleum Company** Address **P. O. Box 2406, Hobbs, New Mexico**
Lessor or Tract **Hicarilla "G"** Field **Blanco** State **New Mexico**
Well No. **5** Sec. **26** T. **27N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **N.** of **8** Line and **890** ft. **E.** of **W** Line of **Sec. 26** Elevation **7375'**
(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.

Date **August 5, 1958** Signed **G. S. Young, Jr.** Title **District Superintendent**

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

Commenced drilling **May 11,** 19**58** Finished drilling **June 1,** 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3979** to **4068 G** No. 4, from _____
No. 2, from **5807** to **6276 G** No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from **None Tested** to _____ No. 3, from _____
No. 2, from _____ to _____ No. 4, from _____

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	8RT	British	283'					Surface String
7-5/8"	26.40	8RT	British	1283'					Intermediate
5"	17.75	8RT	British	2733'					Production String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	300'	200	Pump & Plug		
7-5/8"	4300'	120	" "		
5"	6350'	225	" "		

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 **0** feet to **6350** 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

Potential Completed

DATES

August 3, 19**58** Put to producing **Shut-in - wait on Connections**, 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 **See Below** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	TOPS FORMATION
3526	3746	220	Ojo Alamo
3746	3968	222	Kirtland Fruitland
3968	4068	100	Pictured Cliffs
4068	5782	1714	Lewis
5782	5851	69	Cliff House
5851	6132	281	Manefee
6132	6305	173	Point Lookout
6305	6350	45	Maneco

PERFORATIONS

3979-3994, 4095-4068, 5807-5811, 5823-5826, 5830-5833, 5839-5852, 5866-5870, 5923-5927, 5961-5968, 6168-6177, 6188-6193, 6221-6224, 6250-6255, 6261-6266, 6272-6276

Potential

Mass Verde Shut-in Pressure 1588# after 262 hours—tested 3 hours on 3/4" choke. Calculate Absolute Open Flow 4675 MCF/Day. Pictured Cliffs Shut-in Pressure 797# after 165 hours—tested 3 hours on 3/4" choke—Calculate Absolute Open Flow 1004 MCF/Day.

Summary

5-11-58 Commenced Drilling Operations (Spud Date).
5-12-58 Set 283' of 10-3/4" Cag. w/200 sks. cement, circulated.

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 _____

Wm. H. Jones

Address _____
State _____
County _____
Field _____
Section _____
T. _____ R. _____ Meridian _____
Elevation _____
Location _____ ft. N. _____ of _____ line and _____ ft. W. _____ of _____ line of _____
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 _____

Completed drilling _____, 1951. Finished drilling _____, 1951. The summary on this page is for the condition of the well at above date.

OIL OR GAS SANDS OR ZONES:

(G) Ag^+ and NO_3^- ions.

No. 3. from _____ to _____
 No. 2. from _____ to _____
 No. 1. from _____ to _____

RECEIVED
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201405 141000Z

No. 1 from _____ to _____
No. 2 from _____ to _____

GROUPS OMITTED

Case No.	Case Name	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Details	Case Notes
1	Case 1	Case Type 1	Case Status 1	Case Date 1	Case Time 1	Case Location 1	Case Description 1	Case Details 1	Case Notes 1
2	Case 2	Case Type 2	Case Status 2	Case Date 2	Case Time 2	Case Location 2	Case Description 2	Case Details 2	Case Notes 2
3	Case 3	Case Type 3	Case Status 3	Case Date 3	Case Time 3	Case Location 3	Case Description 3	Case Details 3	Case Notes 3
4	Case 4	Case Type 4	Case Status 4	Case Date 4	Case Time 4	Case Location 4	Case Description 4	Case Details 4	Case Notes 4
5	Case 5	Case Type 5	Case Status 5	Case Date 5	Case Time 5	Case Location 5	Case Description 5	Case Details 5	Case Notes 5
6	Case 6	Case Type 6	Case Status 6	Case Date 6	Case Time 6	Case Location 6	Case Description 6	Case Details 6	Case Notes 6
7	Case 7	Case Type 7	Case Status 7	Case Date 7	Case Time 7	Case Location 7	Case Description 7	Case Details 7	Case Notes 7
8	Case 8	Case Type 8	Case Status 8	Case Date 8	Case Time 8	Case Location 8	Case Description 8	Case Details 8	Case Notes 8
9	Case 9	Case Type 9	Case Status 9	Case Date 9	Case Time 9	Case Location 9	Case Description 9	Case Details 9	Case Notes 9
10	Case 10	Case Type 10	Case Status 10	Case Date 10	Case Time 10	Case Location 10	Case Description 10	Case Details 10	Case Notes 10

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 in detail the reasons for the work and its results. If the well has been dynamited, give date, size, position, and number of shots. If stags or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing or aboys. If stags or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing or aboys.

HISTORY OF OIL OR GAS WELL

16-48084-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

TOOTS USED

Gravel tools were used from	feet to	feet and from	feet to
Rotary tools were used from	feet to	feet and from	feet to

25TAG

11 gas well out 14 per 24 hours	100	100
emulsion; 100 water and 100 sediment	100	100
The production for the first 24 hours was	100	100
Not to production 100	100	100

EMFLOYEES

Driller	_____	Driller	_____
Driller	_____	Driller	_____

INFORMATION RECORD

[illegible]

Summary Continued

5-13-58 Tested 10-3/4" Cag. w/600#, held OK.
5-20-58 Core #1 (3973-4004) Rec. 19' - Sand-bleeding gas, 6' sand w/shale incl. 1'-shale, 3'-sand w/shale incl. 2'-no recovery.
5-21-58 Core #2 (4004-4030) Rec. 26' - 1 3/4' - Sand w/shale incl. & partings, no show. 10' sand, bleeding gas, shale. 14' sand bleeding gas.
5-22-58 Schlumberger ran Electric Logs.
5-23-58 Set 4288' of 7-5/8" Cag w/125 sks. Did not circulate.
5-23-58 Ran Temperature Survey, Top of cement @ 3500'.
5-25-58 Tested 7-5/8" Cag. w/1800#, held OK.
5-28-58 Core #3 (5800-5825) Rec. 10'. 1/2' shale, dark grey, no show. 1 1/2' sand, no show. 3' fine granular grey sand, no show. 1/2' sand & shaley laminated, no show. 4 1/2' fine granular grey sand, no show.
5-28-58 Core #4 (5825-5844) Rec 14'. 2' sand, fine granular grey, no show. 8' sand misty grey, no show. 4' shale, dark grey, no show.
5-29-58 Core #5 (6250-6277) Rec. 17'. Point Lookout, 14 1/2' sand, fine to medium grain, grey, no show. 1 1/2' sand, fine to medium grain, dark grey, shale partings, no show.
5-29-58 Core #6 (6277-6302) Rec. 22', Point Lookout, 14' sand, fine to medium grain, grey, no show. 7' sand, fine to medium grain, w/dark grey shale, no show. 1' shale, dark grey, no show.
6-1-58 Schlumberger ran Induction, Temperature and Gamma Ray Logs.
6-1-58 Set 2233' of 5" line plus BOT hanger, shoe & Float on bottom @ 6350', top of Liner @ 4109' w/Baker centralizers @ 6288-6201-6113, 3 metal petal baskets @ 6113-5958-5774, cemented w/200 sks. 6% Gel + 1/2" Flo Seal + 25 sks. neat. Plug down 6-1-58, washed out to top liner @ 4109'.
6-2-58 Ran Temperature Survey, top Cement @ 6000'. Tested 5" Liner w/1600#, Held OK.
6-3-58 Drilled out cement from 6200' to 6319' PBTD. Tested all Cag. w/3000#, 30 minutes, no break.
6-3-58 Released rig 1:00 PM.
6-13-58 Moved in Reams Completion rig.
6-13-58 PGAC ran Neutron Log 6319-5600 and 4102-3200.
6-14-58 PGAC perforated 5" Liner 6250-76 w/28 holes, 2 SPT.
6-14-58 Dowell, Inc. sand-water-frac perforations 6250-76 w/42,000 gals. + 21,000# sand.
6-14-58 PGAC perforated 5" Liner 5923-6224 w/56 shots, 2 SPT.
6-14-58 Dowell, INC. sand-water-frac perforations 5923-6224 w/70,000 gals + 35,000# sand.
6-14-58 Set Baker Retainer BP @ 5900'.
6-14-58 PGAC perforated 5" Liner 5807-70 w/54 shots, 2 SPT.
6-15-58 Dowell, Inc. sand-water-frac perforations 5807-70 w/84,000 gals + 42,000# sand.
7-22-58 Mesa Verde zone shut-in 1:30 PM, TP: 1300#.
7-28-58 Pictured Cliffs zone shut-in, TP: 680#
8-3-58 Potential completed, Mesa Verde zone after 262 hours.
8-3-58 Potential completed, Pictured Cliffs zone after 165 hours.

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[illegible]