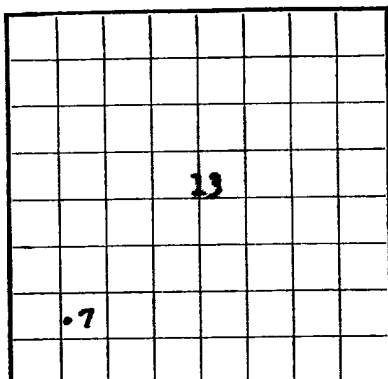


Indian LandU. S. LAND OFFICE Jicarilla Tribal
SERIAL NUMBER Centr. 199 - Tr. 190
LEASE OR PERMIT TO PROSPECT Jicarilla "D"

LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Magnolia Petroleum Company Address P.O. Box 2406, Hobbs, New Mexico
Lessor or Tract Jicarilla "D" Field Blanco NW State New Mexico
Well No. 7 Sec. 13 T. 26N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N. of S. Line and 990 ft. E. of W. Line of Sec. 13 Elevation 7369'
(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

G. S. Young, Jr.Date September 3, 1958Title District Superintendent

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

Commenced drilling July 21, 1958 Finished drilling August 1, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from (1) 3817 to 3873 No. 4, from _____ to _____
No. 2, from (2) 5558 to 6048 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	4-10	291'			2-17	2-13	Surface String
7-5/8	26.40	8 RT	4-10	4085'			2-13	2-11	Intermediate
5	16.00	8 RT	4-10	6175'			2-11	6048'	Production String
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
10-3/4	291'	240	Pump & Plug		
7-5/8	4085'	125	Pump & Plug		
5	6175'	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 _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 9-2-58
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	FORMATION
3370	3607	237	Ojo Alamo
3607	3809	202	Kirtland Fruitland
3809	3875	66	Pictured Cliffs
3875	5531	1659	Lewis
5531	5587	53	Cliffhouse
5587	5930	343	Mesa Verde
5930	5985	55	Paint Lickout
5985	6175	190	Mesa Verde

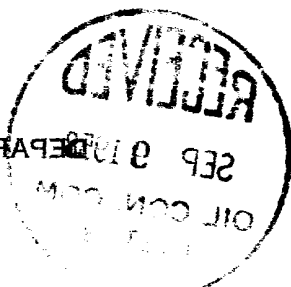
PERFORATIONS

Perforated Pictured Cliffs zone as follows: 3817-40, 3864-73 w/64 shots.
Perforated Mesa Verde zone as follows: 5558-72, 5930-62, 6000-05, 6011-15, 6042-48 w/122 shots.

POTENTIAL

Pictured Cliffs zone shut in TP: 927 after 188 hours, tested 3 hours on 3/4" choke.
Calculate absolute open flow 2794 MCF/day.

Mesa Verde zone shut in TP: 1565 after 233 hours, tested 3 hours on 3/4" choke.
Calculate absolute open flow 3575 MCF/day.



SUMMARY OF OPERATIONS

7-21-58 Commenced drilling operations 2:15 p.m.
7-22-58 Set 291' 10-3/4" csg. cemented w/240 sks. circulated.
7-23-58 Test 10-3/4" csg. w/800# for 30 minutes, held O.K.
7-28-58 Schlumberger ran Induction-Electrical Log.
7-29-58 Set 4085' 7-5/8" csg. cemented w/125 sks.
7-29-58 B & R Services, Inc. ran temperature survey, top cement @ 3230'.
7-30-58 Test 7-5/8" csg. w/1000# for 30 minutes, held O.K.
8-2-58 Drilled to a total depth 6175'.
8-4-58 Schlumberger ran Induction & Gamma Ray Logs.
8-4-58 Set 2251' of 5" Liner @ 6175', cemented w/225 sks.
8-4-58 B&R Services, Inc. ran temperature survey, top cement @ 3924'.
8-5-58 Test 5" liner w/3000# for 30 minutes, held O.K.
8-5-58 Ran 2" tubing open ended to 6076'.
8-5-58 Released rig 6:00 p.m.
8-12-58 Moved in SS Reams unit. Pull 2" tubing.
8-13-58 Lane Wells ran Neutron & Cellar Log.
8-13-58 Lane Wells perforated 5" liner 5558-6048 (Mesa Verde zone) w/122 shots.
8-13-58 Dowell, Inc. sand-water-frac perfs 5558-6048 w/122,000 gals. water + 91,500# sand + 152 balls + 512 bbls. acid.
8-15-58 Set Baker Model "D" packer @ 5484'.
8-15-58 Set Baker retrievable BP @ 3939'.
8-15-58 Lane Wells perforated 7-5/8" csg. 3817-3873 (Pictured Cliffs zone) w/64 shots.
8-15-58 Howe sand-water-frac perfs 3817-3873 w/96,000 gals water + 48,000# sand.
8-15-58 Well completed.
8-16-58 Ran Mesa Verde 2" tbg. to 6034' + 4 Merla gas valves.
8-16-58 Ran Pictured Cliffs 2" tbg. to 3875'.
8-17-58 Released rig 12:00 midnight.
8-23-58 Shut in Mesa Verde zone 6:00 p.m. for potential test.
8-25-58 Shut in Pictured Cliffs zone 2:30 p.m. for potential test.
9-2-58 Potential test completed for Pictured Cliffs and Mesa Verde zone.

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