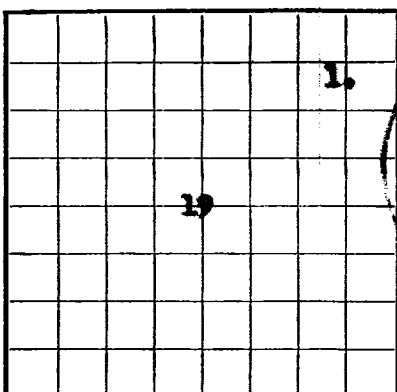
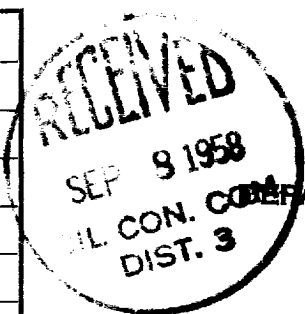




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 37-07995-4

LEASE OR PERMIT TO PROSPECT

Featherstone Federal Unit

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 MexicoLessor or Tract Featherstone Federal Unit Field Undeig, P.C. State New MexicoWell No. 1 Sec. 19 T. 26N R. 3W Meridian N.M.P.M. County MohaveLocation 990 ft. S. of N. Line and 500 ft. W. of E. Line of Sec. 19 Elevation 7390 (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 W. J. Young, Jr. Title District SuperintendentDate August 30, 1958

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

Commenced drilling July 6, 1958 Finished drilling July 17, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from (G) 3832 to 3887 No. 4, from _____ to _____No. 2, from (G) 5602 to 6090 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	40.50	8.00	1-55	297'					Surface stringer
7-5/8	26.10	8.00	1-55	6090'					Production stringer
5	15	8.00	1-55	6090'					Production stringer
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	297'	240	pump & plug		
7-5/8	6096'	125	" "		
5	6125'	35	" "		

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 _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.

If gas well, cu. ft. per 24 hours _____ Gravity, °Bé. _____

Rock pressure, lbs. per sq. in. see below Gallons gasoline per 1,000 cu. ft. of gas _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3403	3624	221	Ojo Alamo
3624	3804	180	Kirtland Fruitland
3804	3889	85	Pictured Cliffs
3889	5602	1713	Lewis
5602	5656	54	Cliff House
5656	5982	326	Mesa Verde
5982	6118	136	Point Lookout
6118	6125	7	Mancos

PERFORATIONS

Perforate Pictured Cliffs Zone as follows: 3832-40, 3844-55, 3858-61, 3876-87, w/66 shots.

Perforate Cliff House to Mancos Zones as follows: 5602-18, 5625-40, 5982-94, 6042-52, 6064-70, 6074-90, w/150 shots.

POTENTIAL

Pictured Cliffs Zone shut-in TP: 919#, GP: 917# after 164 hours, tested 3 hours on 3/4" choke, calculated absolute open flow 1739 MCF/day.

Mesa Verde Zone shut-in TP: 1278# after 164 hours tested 3 hours on 3/4" choke, calculated absolute open flow 3808 MCF/day.

SUMMARY

7-6-58 Commenced drilling operations 5:30 PM (Spud date).
7-7-58 Set 285' 10 3/4" csg., cemented w/240 sks, circulated.
7-8-58 Test 10 3/4" csg. w/800# for 30 minutes, held OK.
7-13-58 Schlumberger ran Electrical & Induction logs.
7-14-58 Set 4086' of 7 5/8" csg., cemented w/125 sks w/5 Baker centralizers + Baker Metal Petal Basket.
7-15-58 B & R Service, Inc. ran Temperature Survey, top @ 3375.
7-17-58 Drilled to total depth 6125'.
7-18-58 Schlumberger ran Gamma Ray & Induction Logs.
7-18-58 Set 2200' 5" liner on bottom, cemented w/225 sks., top of liner @ 3925'.
7-19-58 B & R Service, Inc. ran Temperature Survey, top cement @ 3925'.
7-19-58 Test 5" liner w/3000# for 30 minutes, held OK. Test down hole found leak in liner.
7-20-58 Set FRMC tool @ 6059', cement squeeze liner w/100 sks.
7-20-58 Test 5" liner w/3000# for 30 minutes, held OK.
7-20-58 Run 5993' 2" tubing, bottomed @ 6002'.
7-20-58 Released rig 11:00 AM.
8-5-58 Moved in completion rig.
8-5-58 Pull 2" tubing, drilled plug & cement 6081-6091.
8-6-58 PGAC ran radiation log.
8-6-58 PGAC perforated 5" liner (Mesa Verde Zone) 5602-6090, w/150 shots.
8-6-58 Howco sand-water free perfs 5602-6090 w/181,545 gals water + 112,500# sand.
8-7-58 Jetted and cleaned well to bottom @ 6091 in 15 hours.
8-9-58 Kill well, pull 2" tbg, PGAC perforated 7 5/8" csg. (Pictured Cliffs Zone) 3832-3861 w/66 shots.
8-10-58 PGAC set Baker Model "D" production packer @ 5578'.
8-10-58 PGAC set Baker retrievable BP @ 3939'.
8-10-58 Howco sand-water-free perfs 3832-3861 w/99,000 gals water + 49,500# sand.
8-10-58 Well Complete.
8-11-58 Pull retrievable BP - ran Mesa Verde tbg to 6074' + 1 Merla Valves.
8-12-58 Run 3862' Pictured Cliffs tbg to 3870'.
8-12-58 Released rig @ 10:00 AM.
8-13-58 to 8-21-58 Flowing lead water.
8-21-58 Shut in Mesa Verde & Pictured Cliffs zones 2:00 PM for potential test.
8-29-58 Potential completed for Pictured Cliffs and Mesa Verde zones.

