

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

95 OCT 15 PM 3:26

070 FARMINGTON, NM

1. Type of Well

GAS

2. Name of Operator

MERIDIAN OIL

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1650' FSL, 990' FWL, Sec. 26, T-30-N, R-11-W, NMPM

5. Lease Number

SF-079962

6. If Indian All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Payne #1

9. API Well No.

30-045-09149

10. Field and Pool

Elanco Mesaverde

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Pay add

13. Describe Proposed or Completed Operations

It is intended to add pay to the existing Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

14. I hereby certify that the foregoing is true and correct.

Signed [Signature] (LJB2) Title Regulatory Administrator Date 10/11/95

(This space for Federal or State Office use)

APPROVED BY

Title

Date

CONDITION OF APPROVAL, if any:

APPROVED

OCT 17 1995

DISTRICT MANAGER

NMOC

PAYNE #1
Recommend Recompletion Procedure
NW/SW Section 26 T30N R11W
Lat. 36.780487 Long. 107.965469

1. Test rig anchors and repair if necessary. Install 8-400 bbl frac tanks on location and fill with 1% KCl water for fracture treatment. Filter all water to 25 microns. Heat water as required by weather.
2. MOL and RU. Comply to all NMOC, BLM and MOI rules and regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.
3. TOOH with 5043' of 2-3/8" tubing. Check wellbore diagram for configuration. Visually inspect for and replace all bad jts.
4. TIH with 2-3/8" tubing with 4-1/2" casing scraper and 3-7/8" bit. Clean out 4-1/2" casing from surface to PBTD at 5143' with air.
5. Blow to pit until sand production is minimal to absent. When well is clean, take 15, 30, 45 and 60 minute pitot gauges. TOOH.
6. Set 4-1/2" RBP at 4640' on 2-3/8" tubing. Load hole with 1% KCl water. TOOH.
7. RU wireline and run CNL/CBL/CCL/GR from 4640' to 2640' under 1000 psi surface pressure. TIH with 4-1/2" full-bore packer and 60' of 2-3/8" tubing and pressure test casing to 3800 psi. If pressure test does not hold, TIH with packer and tubing and locate failure. Contact Production Engineering and a repair procedure will be provided. Release packer and TOOH.

*****Lower Menefee*****

8. Perforate with 3-1/8" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.33". Perforate the following Lower Menefee intervals with 1 spf. Perforate from the top down using centralizers.

4487' - 4497'	(10)	4537' - 4544'	(7)
4529' - 4532'	(3)	4574' - 4583'	(9)
		4593' - 4597'	(4)

Total: 33 holes.

9. TIH with 4-1/2" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 4-1/2" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 825 gal. of 15% HCl at 20 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 49 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. Maximum pressure is 3800 psi. Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. TOOH with tubing and packer.
10. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.

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11. TIH with 4-1/2" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 4-1/2" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3800 psi.** Fracture Lower Menefee according to attached procedure. **Stimulation will be with slickwater and 66,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 50 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Shut-in well immediately after stimulating well to keep in static condition. Release packer and TOOH.
12. Wireline set 4-1/2" RBP at 4470'. TIH with 4-1/2" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3800 psi for 15 minutes. Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP.

*****Upper Menefee*****

13. Perforate with 3-1/8" Conventional HSC with centralizers and charges meeting requirements for average penetration in Berea of 12.0" and average perf diameter of 0.33". Perf the following Upper Menefee intervals with 1 spf. Perforate from the top down using centralizers.

4124' - 4129'	(5)	4351' - 4153'	(2)
4291' - 4296'	(5)	4435' - 4448'	(13)
4314' - 4318'	(4)		

Total: 29 holes.

14. TIH with 4-1/2" full bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 4-1/2" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 725 gal. of 15% HCl at 17 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 43 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job. Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3800 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOH.
15. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.
16. TIH with 4-1/2" full-bore packer on 2-7/8" tubing and set at 60' only if casing tested. If casing squeeze was required, TIH to below squeeze hole with 4-1/2" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3800 psi.** Fracture Upper Menefee according to attached procedure. **Stimulation will be with slickwater and 58,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 43 bbls/min and 25% pad volume (Fracure stimulate interval according to the attached schedule).** Flush to the top perf. Release packer and TOOH.

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17. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4470' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
18. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 4640' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
19. TIH with notched collar on 2-3/8" tubing and clean out to PBTD at 5143' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.
20. TIH with 5015' of 2-3/8" tubing with standard seating nipple and one joint with expendable check on bottom. Tag fill and do final cleanout if necessary. Land tubing string.
21. ND BOP and NU independent wellhead. Pump off plug. Take final Pitot gauge and gas, oil and water samples.
22. Rig down and release rig.

Approve:

Team Leader

Approve:

Drilling Superintendent

VENDORS:

Wireline:

To Be Determined at a Later Date

Fracturing:

Production Engineer:

Office

326-9703

Home

326-2381

LJB:ljb

PAYNE #1

CURRENT

BLANCO MESAVERDE

UNIT L, SEC 26, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED 12/18/51
WORKOVER 12/31/85

OJO ALAMO @ 905'
KIRTLAND @ 1045'

FRUITLAND @ 1965'

PICTURED CLIFFS @ 2302'

LEWIS @ 2470'

CHACRA @ 3317'

CLIFF HOUSE @ 3890'

9-5/8" 36.0# K-55
CSG SET @ 3988'

MENEFEE @ 4025'

POINT LOOKOUT @ 4620'

13-3/8" 60.0# K-55
CSG SET @ 190'

DV TOOL @ 2060'

2-3/8" 4.7# J-55 EUE TBG SET @ 5043'

LINER HANGER @ 3893'

7" 23.0# K-55 LINER SET @ 4628'

PERF: 4649'-4748' FRAC'D W/ 70,000# 20/40 SA
& 97,556 GALS SLICKWATER

PERF: 4783'-5045' FRAC'D W/ 64,000# 20/40 SAN
85,382 GALS SLICKWATER

4-1/2" 10.5# K-55 CSG SET @ 5160'

TD 5160'
PBTD
5143'

PAYNE #1

PROPOSED
MESAVERDE

UNIT L, SEC 26, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED 12/18/51
WORKOVER 12/31/85

OJO ALAMO @ 905'
KIRTLAND @ 1045'

FRUITLAND @ 1965'

PICTURED CLIFFS @ 2302'

LEWIS @ 2470'

CHACRA @ 3317'

CLIFF HOUSE @ 3890'

9-5/8" 36.0# K-55
CSG SET @ 3988'

MENEFEE @ 4025'

POINT LOOKOUT @ 4620'

13-3/8" 60.0# K-55
CSG SET @ 190'

DV TOOL @ 2060'

2-3/8" 4.7# J-55 EUE TBG SET @ 5043'

LINER HANGER @ 3893'

PERF: 4124'-4597' FRAC W/ 124,000# 20/40 SAND

7" 23.0# K-55 LINER SET @ 4628'

PERF: 4649'-4748' FRAC'D W/ 70,000# 20/40 SAND
& 97,556 GALS SLICKWATER

PERF: 4783'-5045' FRAC'D W/ 64,000# 20/40 SAND
85,382 GALS SLICKWATER

4-1/2" 10.5# K-55 CSG SET @ 5160'

TD 5160'
PBD
5143'

Pertinent Data Sheet - Payne #1

Location: 1650' FSL & 990' FWL, Unit L, Section 26, T30N, R11W, San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation: 5928' GL

TD: 5160'

PBTD: 5143'

Completed: 12/18/51

Spud Date: 10/24/50

DP #: 48583A

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
17-1/4"	13-3/8"	60.0#	190'	200 cu. ft. (surface)
12-1/4"	9-5/8"	36.0# K-55	3988'	200 cu. ft.
	7" liner	23.0# K-55	3893'-4628'	135 cu. ft.
	Marker Joint @ 4594'			
6-1/4"	4-1/2"	10.5# K-55	5160'	230 cu ft
	Float Collar @ 5143'			

Cement:

Surface: Set 117' 13-3/8" surf pipe @ 190'

Set 9-5/8" pipe @ 3988' used 200 sx cement.

Liner: Set 735' 7" liner @ 4628' & cemented to top of liner w/ 135 sx cement.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.70# J-55 EUE	5043'

Formation Tops:

Ojo Alamo:	905'	Chacra:	3317'
Kirtland Shale:	1045'	Cliffhouse:	3890'
Fruitland:	1965'	Menefee:	4025'
Pictured Cliffs:	2302'	Point Lookout:	4620'
Lewis:	2470'		

Logging Record: GR-Ind. and FDC-CNL

Stimulation: Perf: 4783'-5045' Frac'd w/ 64,000# 20/40 sand & 85,382 gals slickwater
Perf: 4649'-4748' Frac'd w/ 70,000# 20/40 sand & 97,556 gals slickwater

Shot: 4773'-4823' w/ 200 qts Nitro-gel

Shot: 4649'-4703' w/ 250 qts Nitro-gel

Workover History: 12-21-85 Perf's 1 squeeze hole at base of Ojo Alamo @ 1045'. Squeezed cmt w/ 300 sks. Class "B" w/ 2% CaCl₂ (354 cu ft).

12-31-85 Ran 127 jts. 4-1/2", 10.5# K-55 casing, @5160'. Cemented with 150 sks. Class "B" with 4% gel, 1/4 cu ft fine gilsonite/sk. and .6% H-60 (230 cu ft).