

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

- | | |
|--|---|
| 1. Type of Well
GAS | 5. Lease Number
SF-078171 |
| 2. Name of Operator
MERIDIAN OIL | 6. If Indian, All. or
Tribe Name |
| 3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 7. Unit Agreement Name |
| 4. Location of Well, Footage, Sec., T, R, M
1840' FNL, 1710' FEL, Sec. 24, T-30-N, R-11-W, NMPM | 8. Well Name & Number
Lloyd #2 |
| | 9. API Well No.
30-045-26641 |
| | 10. Field and Pool
Blanco 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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - Pay add
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

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

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BUREAU OF LAND MANAGEMENT

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OIL & GAS DIV.

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

Signed [Signature] (KKK2) Title Regulatory Administrator Date 11/30/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

DEC 04 1995

DISTRICT MANAGER

NMOCD

Pertinent Data Sheet - Lloyd #2

Location: 1840' FNL & 1710' FEL, Unit G, Section 24, T30N, R11W, San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation: 6281' GL

TD: 5615'

PBTD: 5496'

Completed: 2-6-86

Spud Date: 12-31-85

DP #: 54502A

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
12-1/4"	9-5/8"	36.0# J-55	225'	159 cu. ft. (surface)
8-3/4"	7"	20.0# K-55	3054'	506 cu. ft.
	4-1/2" liner	10.5# K-55	2887'-5514'	457 cu. ft.

Liner Hanger top @ 2887'

Cement:

Surface: 135 sks Class "B", w/ 1/4# gel flake/sk, 3% CaCl₂, (159 cu ft).

Casing: Cemented w/ 201 sks Class "B", 65/35 POZ mix, 6% gel, 2% CaCl₂, 1/2 cu ft perlite/sk (388 cu ft) followed by 100 Class "B", 2% CaCl₂ (118 cu ft).

Liner: 50 Class "B" sks, 50/50 POZ mix, 2% gel, .6% Halad-9 (62 cu ft), followed by 290 Class "B", 50/50 POZ mix, 2% gel, 6.25# Gilsontite, 1/4# Flocele, .6% Halad-9 (395 cu ft).

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.70# J-55 EUE	5335'

Formation Tops:

Chacra:	3734'
Mesaverde:	4296'
Menefee:	4536'
Point Lookout:	5049'

Logging Record: Drlg. Eng. Quicklook; Dual Ind.; CBL w/ GR Correlation; Form. Density EN

Stimulation: Perf: 5132'-5345' Frac w/ 89,100# 20/40 sand & 111,751 gals treated water
Perf: 5080'-5113' Frac w/ 19,000# 20/40 sand & 42,253 gals slickwater

Workover History: NONE

LLOYD #2
Recommend Recompletion Procedure
Unit E Section 21 T30N R11W
Lat. 36.799927 Long. 108.000580

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 NMOCD, BLM and MOI rules and regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.
3. TOOH with 5335' of 2-3/8" tubing. Check wellbore diagram for configuration. Visually inspect for and replace all bad jts.
4. TIH on 2-3/8" tubing with 7" casing scraper and 6-1/4" bit. Clean out to top of liner hanger at 2887'. TOOH.
5. TIH with 2-3/8" tubing with 4-1/2" casing scraper and 3-7/8" bit. Clean out 4-1/2" liner from 2887' to PBTD at 5496' with air.
6. Blow to pit until sand production is minimal to absent. When well is clean, take 15, 30, 45 and 60 minute pitot gauges. TOOH.
7. Wireline set 4-1/2" RBP at 5065'. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3400 psi for 15 minutes. Release packer and TOOH. Run dump bailer and dump 2 sxs sand on of the RBP. Load hole with 1% KCl water.
8. RU wireline and run CBL/CCL/GR from 5060' to 3060' under 1000 psi surface pressure. TIH with 7" full-bore packer and 60' of 2-3/8" tubing and pressure test casing to 3400 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*****

9. 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.

4946' - 4948'	(2)	4983' - 4994'	(11)
4965' - 4972'	(7)	5021' - 5022'	(1)
		5029' - 5030'	(1)

Total: 22 holes.

10. TIH with 7" 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 7" packer and 2-3/8" tubing. RU stimulation company and prepare to breakdown and balloff with acid. Pump 550 gal. of 15% HCl at 13 bbls/min and slow rate down to 10 bbls/min prior to ball hitting. Drop a total of 33 7/8" 1.3 sp. gr. RCN ball sealers spaced evenly throughout the job.

LLOYD #2
Recommend Recompletion Procedure
Unit E Section 21 T30N R11W
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Record injection rate and all breakdown pressures throughout job. **Maximum pressure is 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. TOOHH with tubing and packer.

11. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.
12. TIH with 7" 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 7" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 psi.** Fracture Lower Menefee according to attached procedure. **Stimulation will be with slickwater and 44,000 lbs. of 20/40 Arizona sand with maximum sand concentration of 2.5 ppg, a rate of 35 bbls/min and 25% pad volume (Fracture 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 TOOHH.
13. Wireline set 4-1/2" RBP at 4910'. TIH with 7" full-bore packer on 2-7/8" tubing and set at 60'. Test bridge plug and casing to 3400 psi for 15 minutes. Release packer and TOOHH. Run dump bailer and dump 2 sxs sand on of the RBP.

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

14. 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.

4610' - 4614'	(4)	4829' - 4830'	(1)
4674' - 4680'	(6)	4871' - 4882'	(11)
4696' - 4700'	(4)	4889' - 4892'	(3)

Total: 29 holes.

15. TIH with 7" 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 7" 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 3400 psi.** Acid should contain clay stabilizer, corrosion inhibitor, and iron sequestering agent. Release packer and TOOHH.
16. RU wireline. RIH with junk basket and retrieve ball sealers. Record number of hits and balls recovered.
17. TIH with 7" 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 7" packer and 3-1/2" frac string. RU stimulation company. Hold safety meeting.

LLOYD #2
Recommend Recompletion Procedure
Unit E Section 21 T30N R11W
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Pressure test surface lines to 4400 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3400 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 (Fracture stimulate interval according to the attached schedule).** Flush to the top perf. Release packer 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 4910' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
19. Flow back well (if needed) until returns diminish. TIH with retrieving head and 2-3/8" tubing and clean out to RBP at 5065' until sand returns and water production are minimal. Obtain pitot gauges. Release bridge plug and TOOH.
20. TIH with notched collar on 2-3/8" tubing and clean out to PBTD at 5496' until sand returns and water production are minimal. Obtain pitot gauges. TOOH.
21. TIH with 4712' 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.
22. ND BOP and NU independent wellhead. Pump off plug. **Take final Pitot gauge and gas, oil and water samples.**
23. Rig down and release rig.

Approve: _____
Team Leader

Approve: _____
Drilling Superintendent

VENDORS:

Wireline:	Basin	327-5244
Fracturing:	BJ Services	327-6222
Production Engineer:	Office	326-9703
	Home	326-2381

LJB:ljb