

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

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.8, T-26-N, R-2-W, NMPM

5. Lease Number  
NM-046

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Cheney Federal B #2

9. API Well No.  
30-039-25266

10. Field and Pool  
Gavilan Pictured Cliffs/  
Gavilan Mancos

11. County and State  
Rio Arriba 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 - Abandon Mancos

13. Describe Proposed or Completed Operations

It is intended to recomplate the subject well to the Pictured Cliffs formation according to the attached procedure and wellbore diagram.

RECEIVED  
DEC - 5 1995  
OIL COLL DIV.  
DET. 3

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

Signed [Signature] (LLL9) Title Regulatory Administrator Date 11/2/95

(This space for Federal or State Office Chief, Lands and Mineral Resources  
APPROVED BY [Signature] Title \_\_\_\_\_ Date DEC 5 1995

CONDITION OF APPROVAL, if any:

[Signature]

District I  
PO Box 1988, Hobbs, NM 88241-1988  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 N. Brannon Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-1  
Revised February 21, 1995  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25266		Pool Code 77360/27194	Pool Name Gavilan Pictured Cliffs/Gavilan Mancos
Property Code 6908	Property Name Cheney Federal B		Well Number 2
OGRID No. 14538	Operator Name MERIDIAN OIL INC.		Elevation 7217'

10 Surface Location

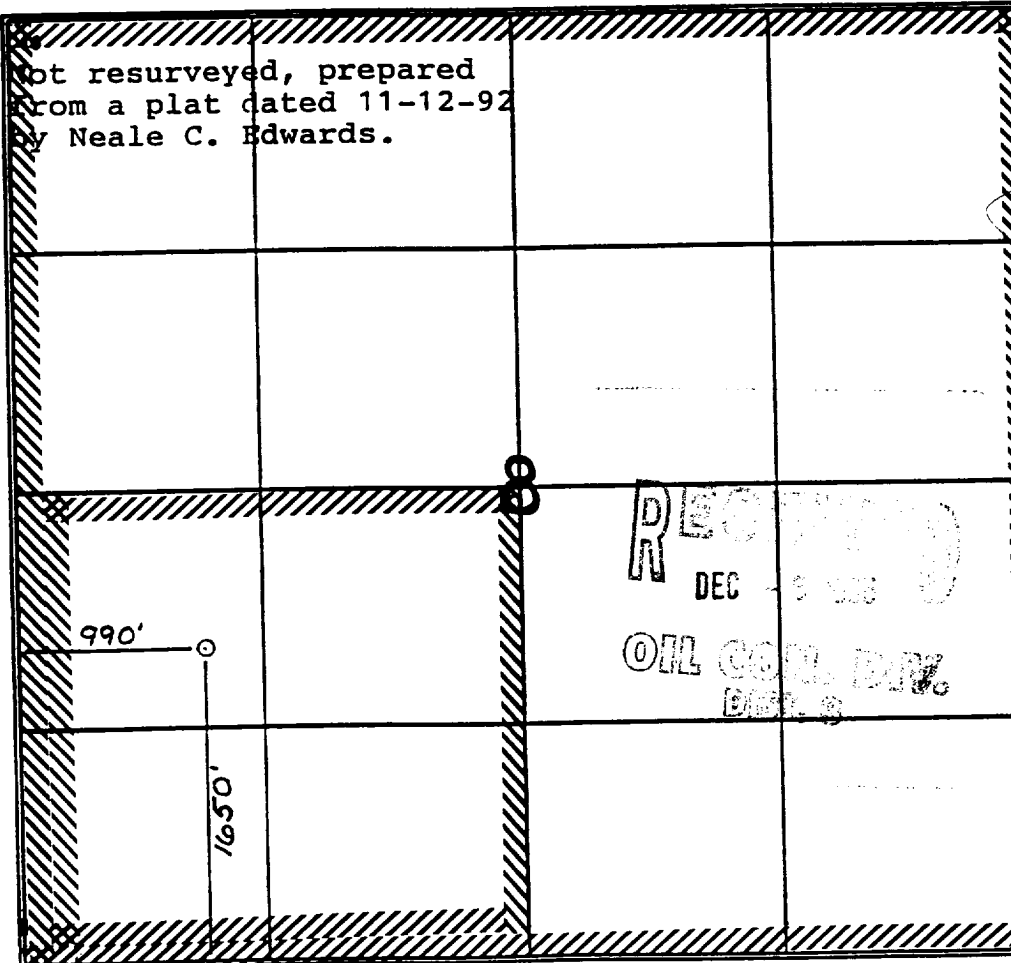
UL or lot no. L	Section 8	Township 26 N	Range 2 W	Lot Idn	Feet from the 1650	North/South line South	Feet from the 990	East/West line West	County R.A.
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 160-640	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
Peggy Bradfield  
Printed Name  
Regulatory Administrator  
Title  
11-8-95  
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.  
11-6-95

Date of Survey  
Signature and Seal of Professional Surveyor:  
  
Certificate Number

**Pertinent Data Sheet - Cheney Federal B #2**

**Location:** 1650' FSL, 990' FWL, Unit L, Sec 8, T-26-N, R-2-W  
Rio Arriba County, NM Lat 36-29-49, Long 107-4-44

**Current Field:** Gavilan Mancos

**Spud:** 6-17-93  
**Completed:** 10-15-93

**Elevation:** 7217' GL  
7233' KB

**TD:** 7918' (MD) - 7239' (TVD)

**Casing Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Grade</u>	<u>Depth Set</u>	<u>Cmt Vol./Top</u>
12-1/4"	9-5/8"	36# / K-55	223'	184 cu ft / surf (calc)
8-3/4"	7"	23# / N-80	7000' DV @ 5331' DV @ 3337'	1570 sks / surf (calc)

**Liner Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Grade</u>	<u>Depth Set</u>	<u>Cmt Vol./Top</u>
6-1/4"	4-1/2"	11.6# / K-55 & L-80	6407' - 7917'	none

\*Pre-perforated liner

**Tubing Record:**

<u>Size</u>	<u>Weight/Grade</u>	<u>Depth Set/Jts.</u>	<u>Other</u>	<u>Depth</u>
2-7/8"	6.5# / J-55	202 jts		
			Mud Anchor	
2-3/8"	4.7# / N-80	7880' / 53 jts		
			SN	
			Perf Subs	
			Bull Plug	

**Formation Tops:**

Ojo Alamo	3346'	Cliffhouse	5445'
Kirtland	_____	Menefee	5554'
Fruitland	3486'	Point Lookout	5856'
Pictured Cliffs	3602'	Mancos	6398'
Lewis	_____	Gallup	6870'

**Logging Record:** DIL - LDT - CNL, CBL (run 6388' - surf)

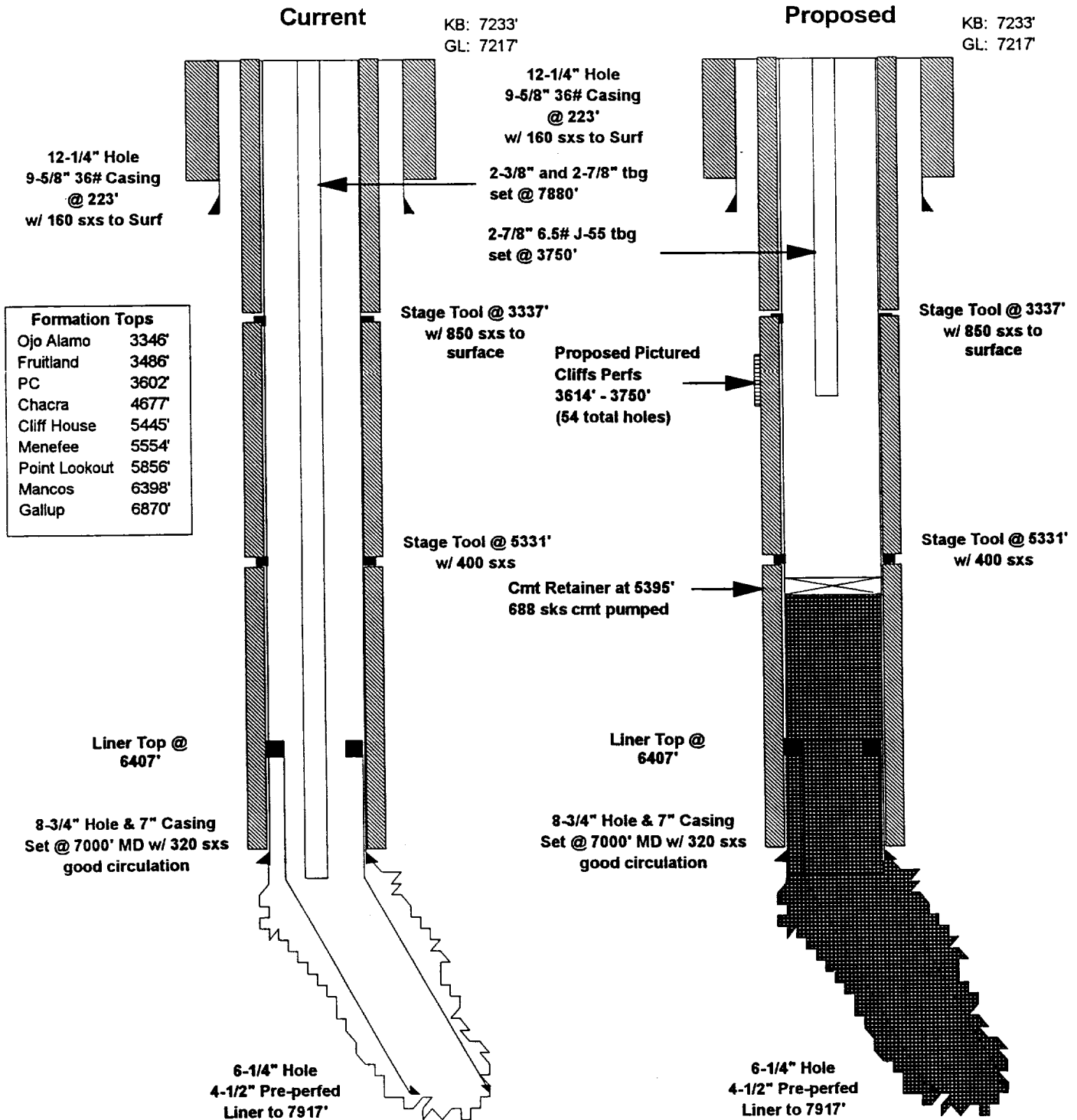
**Present Completions:** Mancos Pre-perfed liner 6407' - 7917'

**Workover History:** N / A

# Cheney Federal B # 2

T26NR02W08L

Completion Proposal



## Cheney Federal B #2

Unit L, Section 8, T-26-N, R-2-W, Rio Arriba County, New Mexico

Lat 36-29-49, Long 107-4-44

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Inspect location and install and/or test rig anchors. Install 3 frac tanks loaded with 2% KCl. Comply with all BLM, NMOCD, Forestry, and MOI rules and regulations. **BE SAFE.**

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\*\*\*All vendors/service companies on location will be responsible for protection of the environment. Any questions call Lori Lantz at 599-4024.\*\*\*

1. MIRU. Hold Safety Meeting. Place fire and safety equipment in easily accessible locations. Obtain and record all wellhead pressures. NU relief line and blooie line to flare pit.
2. Blow down tubing. If tubing will not blow down, kill well with 2% KCl water. ND WH, NU BOP.
3. TOOH with 202 jts of 2-7/8" 6.5# J-55 and 53 jts of 2-3/8" 4.7# N-80 tubing. Visually inspect, tally, stand back 2-7/8" tubing, and LD 2-3/8" tbq. Replace any bad joints.
4. PU 6-1/4" bit and 7" 23# casing scraper on 2-7/8" J-55 tbq. TIH to approx 6400'. TOOH.
5. TIH w/ 7" cmt retainer on 2-7/8" tbq and set at 5395'. Sting out of retainer and load hole w/ 1% KCl. Sting into retainer. Pull into test position and test tubing to 2000 psi. Sting back into retainer. Pump 771 sks Class G cement to abandon the Mesaverde, Mancos, and Gallup intervals. This represents 100% excess cement. Sting out of retainer and TOOH.
6. PU 7" pkr on 2-7/8" tbq. TIH and set pkr at approx 60'. Load hole and pressure test casing to 3000 psi for 15 min. If pressure test fails, prepare to locate leak and repair casing, if necessary. Contact Production Engineering for casing repair schedule. TOOH.
7. RU electric line unit. RIH and perforate 2 squeeze holes at 3720'. RD electric line unit.
8. TIH w/ 7" cmt retainer on 2-7/8" tbq and set at 3670'. Pull into test position and test tubing to 2000 psi. Sting back into retainer. Perform hesitation squeeze w/ 50 sks cmt. **Maximum pressure is 3000 psi.** Sting out of retainer and TOOH. WOC 12 hours.
9. PU 6-1/4" bit and 7" 23# casing scraper on 2-7/8" J-55 tbq. TIH and drill out cmt to approx 3850'. TOOH.

## Cheney Federal B #2

Unit L, Section 8, T-26-N, R-2-W, Rio Arriba County, New Mexico  
Lat 36-29-49, Long 107-4-44

10. RU electric line unit. Load hole and run GR-CBL-CCL from 3850' to TOC'. Interval of 3614' - 3750' must have good bond. Evaluate CBL and send copy to production and drilling.

### Pictured Cliffs Stimulation:

11. RIH w/ 3-1/8" Select-Fire Perforating gun loaded 2 spf and perforate the following depths:

**3614' 3616' 3618' 3620' 3626' 3634' 3640' 3642' 3708'  
3710' 3712' 3714' 3716' 3720' 3722' 3724' 3726' 3728'  
3730' 3732' 3738' 3740' 3742' 3744' 3746' 3748' 3750'  
(54 total holes)**

12. RD electric line unit. TIH w/ 7" pkr on 2-7/8" N-80 workstring. TIH and set pkr at approx 60'.
13. RU stimulation company. **Hold safety meeting.** Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 3000 psi.** Pump 1000 gals of 15% HCl acid at 10-15 bpm. Drop a total of 81 7/8" (1.3 sg) RCN ball sealers spaced evenly throughout the job. Record injection rates and pressures throughout the job. RD stimulation company.
14. TOOH w/ workstring and pkr. RU electric line unit. RIH w/ 7" 23# gauge ring and junk basket and knock balls off perforations. RD electric line unit. TIH w/ 7" pkr on 2-7/8" N-80 workstring. Set pkr at approx 60'.
15. RU stimulation company. Pressure test surface treating lines to 4000 psi. **Maximum treating pressure is 3000 psi.** Fracture stimulate the Pictured Cliffs and Pictured Cliffs Intertongue intervals w/ 110,000 lbs 20/40 sd and 70Q nitrogen foam (30# borate x-linked pad and 30# linear based foam) at approximately 10 bpm according to the attached procedure (labeled *Pictured Cliffs / Pictured Cliffs Intertongue*).
16. RDMO stimulation company. Flow back immediately using a dual choke manifold unless specified in fracture procedure. When pressures allow, release pkr and TOOH w/ 2-7/8" workstring and pkr.
17. TIH 2-7/8" 6.5# J-55 tbg with expendable check and seating nipple one joint off bottom and cleanout to 3800' with air. Land tubing at approx 3750'. ND BOP. NU WH. Pump off check and obtain final flow gauge. **Record flow gauge as Pictured Cliffs / Pictured Cliffs Intertongue.** Contact Production Operations for well tie-in. RDMO.