UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Name of Operator MERIDIAN Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 Location of Well, Footage, Sec., T, R, M 1650'FNL, 990'FEL, Sec.12, T-31-N, R-10-W, NMPM CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Abandonment Subsequent Report X Plugging Back Non-Routine Fracturing Subsequent Report X Plugging Back Non-Routine Fracturing Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection Other - Describe Proposed or Completed Operations It is intended to plug and abandon the Mesaverde zone of the subject well and recomplete the Pictured Cliffs according to the attached procedure and wellbore diagram.			5.	Lease Number
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District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV

State of New Mexico Energy, Minerals & Natural Resources Department

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

Form C-16
Revised February 21, 196
Instructions on bac
Submit to Appropriate District Offic
State Lease - 4 Copi

Santa Fe, NM 87504-2088 Fee Lease - 3 Copi

AMENDED REPOR

PO Box 2088, Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT ¹ Pool Code API Number Blanco Pictured Cliffs 30-045-10930 72359 Well Number Property Name ' Property Code SAN JUAN 32-9 UNIT 7473 Operator Name Elevation 'OGRID No. 6542' MERIDIAN OIL INC. 14538 ¹⁰ Surface Location North/South line Feet from the East/West line County Township Feet from the Lot Idn UL or lot no. Section Range 990 NORTH S.J. 1650 East 0 - Wн 12 31 - N11 Bottom Hole Location If Different From Surface Feet from the East West line North/South line County Lot ids Feet from the Township Range UL or lot ac. 14 Consolidation Code 15 Order No. " Joint or Infill 12 Dedicated Acres 160 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 -16 *Not resurveyed, OPERATOR CERTIFICATIO prepared from a plat I hereby certify that the information contained herein is true and complete to the best of my knowledge and belisurveyed by 4.0. Walker. Dated May 16, 1953. 50 Peggy Bradfield 990 Printed Name Regulatory Affairs 12-9-94 Date 18SURVEYOR CERTIFICATIO I hereby certify that the well location shown on this pla 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. 12-8-94 Date of Survey OIL COM. DIV. DIST 3

Pertinent Data Sheet - San Juan 32-9 Unit #4

Location: 1650' FNL, 990 FEL, Unit H, Section 12, T31N, R10W, San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation:

6542' GR 6552' DF

TD: 5864' **PBTD:** 5864'

Spud Date: 06-01-53

Completed: 07-10-53

Prop. #: 0023423

DP#: 69839

Casing Record:

Hole Size 13 3/4" 8 3/4"

Csq Size 9 5/8"

Wt. & Grade 25.4# Armco 23.0# J-55

Depth Set 175' 5197'

Cement 125 sxs 300 sxs Top/Cement Surface/Circ TOC @ 4140' TS

Tubing Record:

Tbg Size

Wt. & Grade

Depth Set 5716'

Formation Tops:

Ojo Alamo: Kirtland:

2450' 2565' Cliffhouse:

5137'

Fruitland:

3003'

Menefee: Point Lookout: 5630'

5290'

Pictured Cliffs: 3378'

Mancos:

5735'

Logging Record: IES Log, Temp Survey, GRN

Stimulation:

07/53: Shot open hole w/1,401 quarts of S.N.G. from 5260' to 5784'.

Workover History:

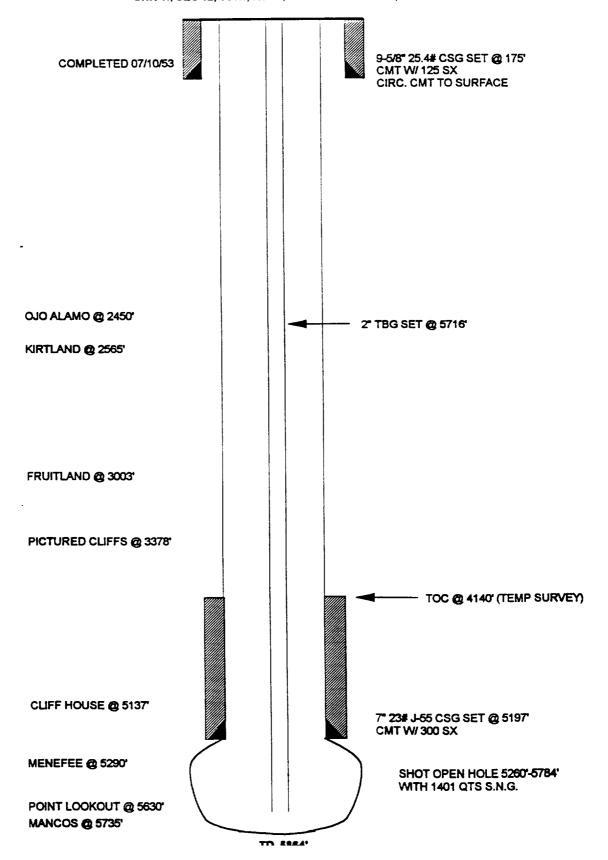
Production History:

Transporter: EPNG

SAN JUAN 32-9 UNIT #4

CURRENT BLANCO MESAVERDE

UNIT H, SEC 12, T31N, R10W, SAN JUAN COUNTY, NM



San Juan 32-9 Unit #4 Mesaverde P&A / Pictured Cliffs Completion

Lat-Long by GITI: 36.915329 - 107.830048 Section 12, T31N-R10W November 7, 1994

- Hold safety meeting. MIRU. Install safety equipment and fire extinguishers in strategic locations. Install frac tanks and 1x400 bbl rig tank. Fill each frac tank with 5#'s of biocide and filtered (25 micron) 2% KCI water.
- Obtain and record all wellhead pressures.
- 3. Kill well w/ water if necessary. ND WH, NU BOP. TOOH with 2" tubing set at 5716'. Visually inspect tubing and replace bad tubing as needed.
- 4. Pick up 6-1/4" bit and 7", 23# casing scraper and TIH. Make scraper run to 5197'. TOOH. Lay down casing scraper and bit.
- 5. TIH w/ cement retainer, set @ 5137' and pressure test tubing to 1500 psi. Establish rate into perforations. Plug from 5137' to 5864' w/ 107 bbls Class B cement (100% excess across productive interval and 50% excess in casing), squeeze 100 bbls under cement retainer and spot 7 bbls on top.
- 6. Load hole with fresh water and pressure test casing to 1000 psi. Run CBL-CCL-GR log from PBTD (3600') to surface w/ 1000# of pressure. RD wireline.
- 7. If pressure test failed in step 6, PU 7" packer and TIH. Locate failure and report to engineering. In addition to repairing any casing failures, an attempt will be made to bring cement up the backside of the 7" casing to cover the Pictured Cliffs. Engineering will supply squeeze procedure after receiving CBL.
- 8. After squeeze work, TIH w/ bit and tubing and drill out cement. Obtain 1000 psi pressure test and re squeeze if necessary. TOOH w/ tubing and bit. CO to CIBP set @ 3600'. Unload hole with air. Spot 2% KCL water from PBTD to 2400'. TOOH.
- 9. Perforate the following Pictured Cliff intervals using 0.30" diameter holes and 3-1/8" HSC guns. (Total of 28 holes.)

3380	3396	3410	3438
3382	3398	3412	3440
3384	3400	3414	3442
3386	3402	3430	3444
3390	3404	3432	3446
3392	3406	3434	3451
3394	3408	3436	3453

Inspect guns to ensure all perforations fired.

- 10. TIH w/ 3 1/2" fracstring to 3580' and set packer. Pressure test tubing and BP to 3600 psi. Release packer and PUH to 3360'. Set packer @ 3360'. Balloff Picture Cliff perforations with 1500 gallons of 15% HCl acid and 56 RCN balls (2 balls per perforation hole). Maximum allowable treating pressure is 3600 psi. Release packer, TIH and knock balls off. Reset packer @ 3360'.
- 11. Load annulus through casing valves and pressure test fracstring to 5000 psi. Retrieve blanking plug with slick line.

San Juan 32-9 Unit #4
Mesaverde T&A/Pictured Cliffs Recompletion
Page 2
November 7, 1994

- 12. Install 5000# frac valve on top of the 3-1/2" fracstring.
- 13. RU frac company. Hold safety meeting. Test surface lines to 6000 psi. Maximum surface treating pressure is 5000 psi. Fracture Pictured Cliffs according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. RD frac company.
- 14. Remove frac valve. Release packer and TOOH, laying down frac string. Lay down packer.
- 15. Flow well naturally as long as possible. When either flow has ceased or returns have reached a level allowing re-entry of the wellbore, TIH with 2-3/8" tubing with notched collar. CO w/ air to PBTD of 3600'. PU above the Picture Cliffs perforations and flow the well naturally, making short trips for clean up when necessary.
- 16. When returns have diminished (both sand and water) SI well. RIH w/ Amerada pressure bomb to 3400'. SI well for 12 hours. TOOH w/ pressure bomb.
- 17. TIH with one joint of 2 3/8" tubing w/ expendable check, an F-nipple, then the remaining 2 3/8" tubing. CO to PBTD (3600'). Land tubing at 3417'.
- 18. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RDMO. Return well to production.

Approval:	
• •	Drilling Superintendent

Contacts:

Engineering - Mary Ellen Lutey

Office - (599-4052) Home - (325-9387)

Frac Consultant - Mark Byars

Pager - (327-8470) Mobile - (320-0349) Home - (327-0096)

or Mike Martinez

Pager - (599-7429) Mobile - (860-7518) Home - (326-4861)