

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
990' FSL, 1500' FWL Sec. 19, T-26-N, R-3-W, NMPM

5. Lease Number
Jic Contract 98
6. If Indian, All. or
Tribe Name
Jicarilla Apache
7. Unit Agreement Name

8. Well Name & Number
Jicarilla 98 #4
9. API Well No.
30-039-
10. Field and Pool
Basin Ft Coal/Blanco MV
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 Injunctio

☐ Other -

13. Describe Proposed or Completed Operations

The Fruitland Coal will be perforated and stimulated in this wellbore in the following manner: TOOH w/ production tbg. Set CIBP at 3840', above the existing Mesaverde perforations at 5502' - 6130'. Run GR-CBL to verify Top of Cement. Good TOC must be above 3700' to continue. Perforate the Fruitland Coal interval (3762' - 3803'). Fracture stimulate the Fruitland Coal perforations. Run after frac gamma ray log in an attempt to verify if frac stayed in zone. Drill out CIBP. RIH in hole w/ 2-3/8" production tbg and land at approximately 3800'. Application will be made to the NMOCD for commingling. Attached is a procedure and wellbore diagram for this work.

APR 29 1994
OIL & GAS DIV.
DIST. 3

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

Signed Patricia M. Hester Title Regulatory Affairs Date 4/29/94

(This space for Federal or State Office use)
APPROVED BY Patricia M. Hester Title Regulatory Affairs Date MAY 18 1994
CONDITION OF APPROVAL, if any:

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
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-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-06346		2 Pool Code 71629/72319		3 Pool Name Basin Fruitland Coal/Blanco Mesa Verde	
4 Property Code		5 Property Name Jicarilla 98			6 Well Number 4
7 OGRID No. 14538		8 Operator Name MERIDIAN OIL INC.			9 Elevation 7187'

10 Surface Location

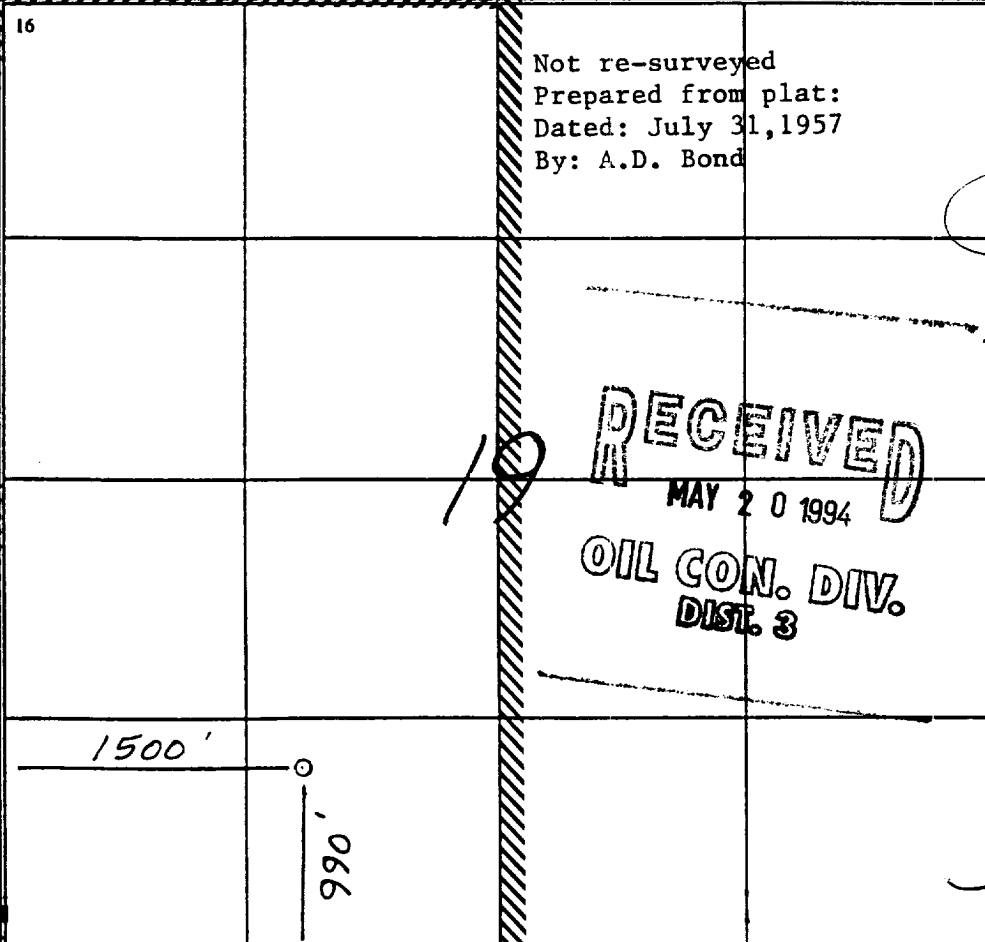
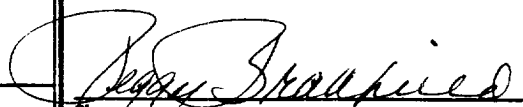
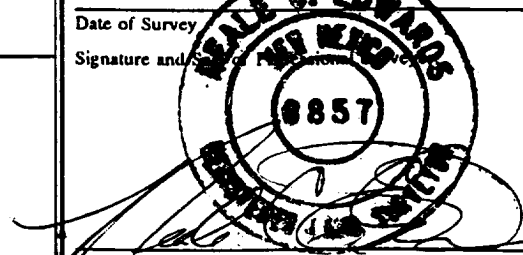
UL or lot no. N	Section 19	Township 26 N	Range 3 W	Lot Idn	Feet from the 990	North/South line South	Feet from the 1500	East/West line West	County R.A.
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11 Bottom Hole Location If Different From Surface

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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12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 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

16 	Not re-surveyed Prepared from plat: Dated: July 31, 1957 By: A.D. Bond	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 Bradford Printed Name Regulatory Representative Title 4-28-94 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 me or under my supervision, and that the same is true and correct to the best of my belief. 5-3-94 Date of Survey  Signature and Seal of Surveyor DALE C. EDWARDS 8857 Certificate Number

Jicarilla 98 #4

Unit N, Sec. 19, T26N, R3W

*Fruitland Coal Recompletion and
Stimulation*

CURRENT

PROPOSED

10-3/4" 32.75# H-40 SET
@ 308'
CIRC. CMT TO SURFACE

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@ 308'
CIRC. CMT TO SURFACE

2" 4.7# J-55 tubing set @ 5454'

2" 4.7# J-55 tubing set @ +/- 3800'

OJO ALAMO @ 3357'

TOP OF CEMENT @ 3400' (TS)

KIRTLAND/FRUITLAND
@ 3563'

**Proposed Fruitland Coal
perforations: 3762'- 3804'**

PICTURED CLIFFS @ 3850'

CIBP SET @ 3840'

LEWIS @ 3898'

LINER TOP @ 3935'

7-5/8" 26.4# J-55 CSG SET @ 4108'
TOC @ 3400' BY TEMP. SURVEY

MESAVERDE @ 5517'

**Existing MV Perfs
5502'-6130'**

5-1/2" 15.5# J-55 8RD LINER SET @ 6250'

PBTD 6217'

PBTD 3840"

JICARILLA 98 #4
Unit N, Section 19, T26N, R03W
Recommended Stimulation Procedure
Fruitland Coal Recompletion

Inspect location and install and/or test rig anchors. Install 1 - 400 bbl rig tank and fill w/ 2% KCl water. Approximately 3840' (124 jts.) 3-1/2" 9.3# J-55 tubing will be required (MOI, District Tools) for recompletion. Comply with all BLM, NMOCD, Jicarilla Apache, and MOI rules and regulations. Notify engineering when work has commenced. Hold Safety Meetings on a regular basis.

1. Install 1 X 400 bbl frac tank and fill with 2% KCl water.
2. Hold Safety Meeting. MIRU. Place fire and safety equipment in easily accessible locations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.
3. Blow down tubing. If tubing will not blow down, kill well with KCl water. PBSD is 6217'.
4. TOOH with 5454' of 2" 4.70# tubing, visually inspect and tally tubing.
5. RU wireline. RIH with 7-5/8" 26.4# gauge ring and check pipe. RIH w/ 7-5/8" CIBP and set @ 3840' (95' above 5 1/2" liner top). Run GR - CCL - CBL from 3850' to top of cement (fluid level must be high enough to run CBL, if not, load hole then run GR-CCL-CBL). Good top of cement must be above 3700' to continue. If microannulus is suspected, rerun w/ 750 psi. If good TOC is not above 3700', sqz procedures will be submitted by Production Engineering. RD wireline.
6. TIH w/ 3-1/2" tbg (w/ 'F' nipple one jt off bottom) and 7-5/8" Fullbore PKR. Set PKR @ 3800' and pressure test CIBP and 3-1/2" tbg to 4000 psi for 15 min. If pressure test does not hold, drop blanking plug and test 3-1/2" tbg. If tbg holds, retest CIBP and csg. If second pressure test fails, locate leak and contact Production Engineering for repair procedure. If pressure test is successful, spot 12% Acetic acid across the Fruitland Coal interval. TOOH

Fruitland Coal Stimulation:

7. Perforate the following Fruitland Coal interval with API part number 022-3703-071 charges.
3762' - 3773', 3778' - 3788', 3797' - 3803' (2 spf, 54 holes)
8. PU fullbore PKR, TIH and set @ 3700'. RU stimulation company. Prepare to fracture stimulate the Fruitland Coal.
9. Pressure test surface treating lines to 5000 psi. **Maximum treating pressure is 4000 psi.** Fracture and tag the FTC according to the attached procedure. Flow-back the well immediately using a variable choke manifold. Increase choke size as needed to keep the well from logging off, if possible. When pressures and flow rates allow, TOOH w/ tbg and PKR.
10. TIH w/ notched collar and 2" 4.70# production tbg and clean out to the CIBP @ 3840' with air until sand production is minimal. Obtain pitot gauge for the Fruitland Coal formation. Record pitot gauge as the Fruitland Coal formation only. TOOH

Jicarilla 98 #4
FTC Stimulation

11. RU wireline, run After-frac Tracer Survey-GammaRay (report if frac stayed in zone, if possible), POOH. RD wireline. Send copy of logs to Production Engineering.
12. TIH w/ one joint 2" 4.7# J-55 tubing, seating nipple, and 2-3/8" production tubing. Cleanout to 3840' with air. Land tubing @ +/-3800' (40' of rathole) and obtain final pitot gauge. ND BOP, NU WH. Contact Production Operations for well tie-in. RD and MOL.

Approved: _____
Drilling Superintendent

Suggested Vendors:

Wireline:	Blue Jet	325-5584
Radioactive Tag:	ProTechnics, Intl	326-7133
Tubing/Fracstring:	MOI, District Tools	326-9826
Stimulation:	BJ Services	327-6288
Packer/RBP:	Baker Oil Tools	325-0216

MOI Contact:

Production Oper.:	Bruce Voiles	326-9571
Engineering:	Brian Ault	326-9871 w 326-6613 h