

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.  
30-039-06346  
10. Field and Pool  
Basin Fruitland Coal  
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

<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED  
JUN - 8 1995  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (ROS9) Title Regulatory Affairs Date 5/31/95

(This space for Federal or State Office use)  
APPROVED BY [Signature] Title Chief, Lands and Mineral Resources

CONDITION OF APPROVAL, if any: Date JUN 7 1995

Attached

## PLUG AND ABANDONMENT PROCEDURE

5-23-95

Jicarilla 98 #4 (FtC)  
SW Sec. 19, T26N, R3W  
Rio Arriba County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Meridian safety rules and regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to flow back tank. Blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and tally 2-3/8" tubing (121 joints at 3804'). Visually inspect tubing, if it has heavy scale or is in poor condition then LD and PU 2-3/8" work string. PU 7-5/8" sandline drill and RIH to 3860', drill out 7-5/8" CIBP. POH and LD sandline drill. PU 5-1/2" casing scraper and RIH to 3860'. With casing scraper chase remnants of 7-5/8" CIBP down 5-1/2" to below 5500'. POH and LD casing scraper.
4. **Plug #1 (Mesaverde top, 5450' - 5400')**: PU and RIH with 5-1/2" wireline CIBP; set at 5450'. POH with wireline. RIH with open ended tubing to 5450'. Load casing with water and attempt to pressure test to 500#. Mix 12 sx Class B cement (50' plug plus 50' excess) and spot a balanced plug from 5450' to 5400' above CIBP. POH to 4158'.
5. **Plug #2 (7-5/8" casing shoe, liner top, Pictured Cliffs and Fruitland perforations, 4158' - 3645')**: Mix 112 sx Class B cement (100% excess in perfed interval) and set a balanced plug from 4158' to 3645' inside casing from 7-5/8" casing shoe to above Fruitland perforations. POH and WOC. RIH and tag cement. POH with tubing.
6. **Plug #3 (Kirtland and Ojo Alamo tops, 3613' - 3440')**: Mix 50 sx Class B cement and set a balanced plug from 3613' to 3440' inside casing to cover Ojo Alamo. POH.
7. **Plug #4 (Nacimiento top, 2455' - 2355')**: Perforate 3 or 4 squeeze holes at 2455'. Establish rate into squeeze holes if casing tested. PU 7-5/8" cement retainer and RIH; set at 2405'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix and pump 66 sx Class B cement, squeeze 32 sx cement outside casing from 2455' to 2355' and leave 34 sx cement inside casing to cover Nacimiento top. POH and LD setting tool.
8. **Plug #5 (Surface )**: Perforate 2 or 3 holes at 358'. Establish circulation out bradenhead valve. Mix approximately 154 sx Class B cement and pump down 7-5/8" casing, circulate good cement out bradenhead valve. Shut in well and WOC.

9. ND BOP and cut off well head below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:   
Operations Engineer

Approval: \_\_\_\_\_  
Production Superintendent

# Jicarilla 98 #4

Current

Basin Fruitland Coal

SW Section 19, T-26-N, R-3-W, Rio Arriba County, NM

Today's Date: 5/23/95

Spud: 9/16/57

Completed: 6/26/94

Nacimiento @ 2405'

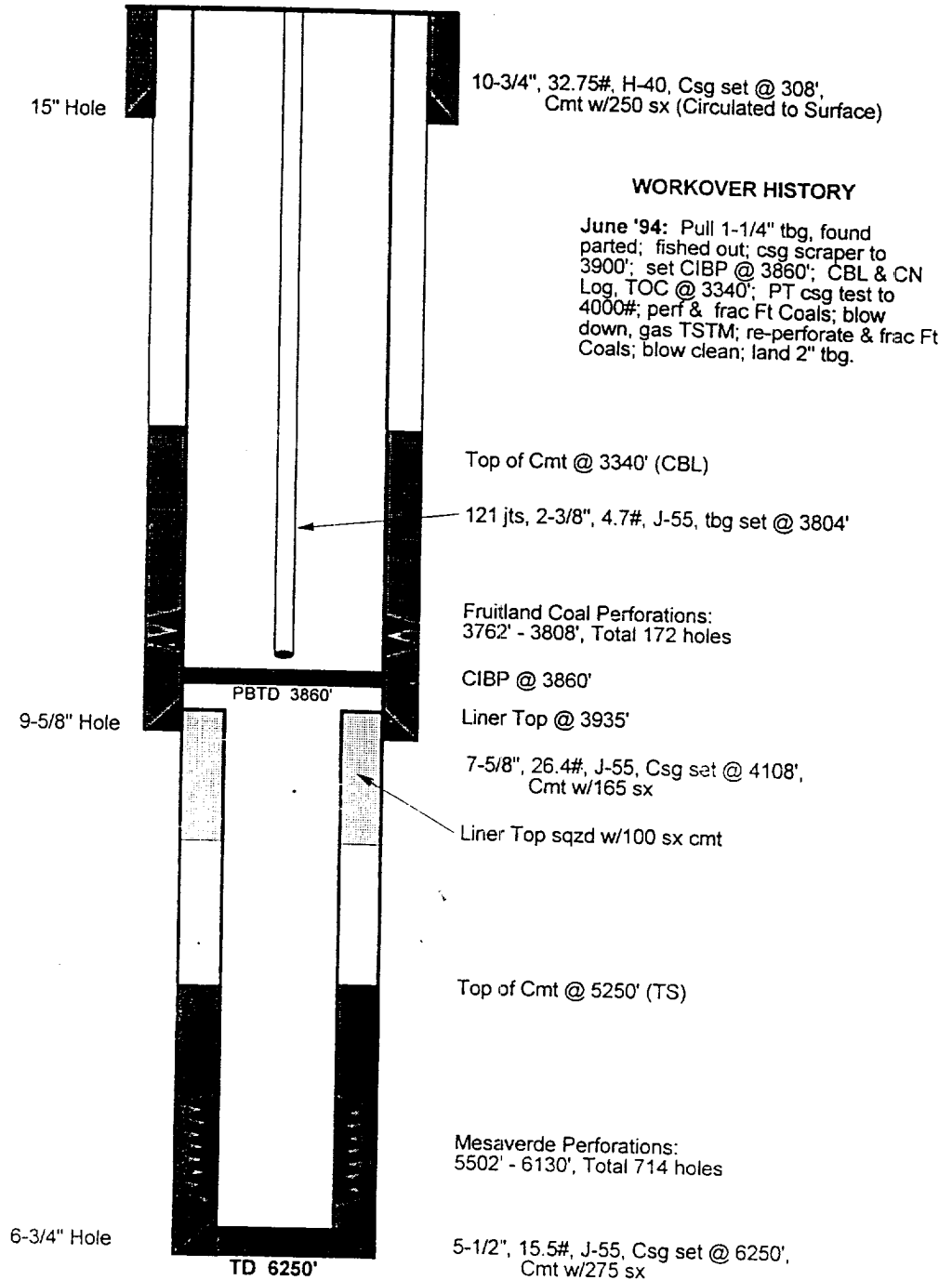
Ojo Alamo @ 3490'

Kirtland @ 3563'

Fruitland @ 3695'

Pictured Cliffs @ 3818'

Mesaverde @ 5518'



# Jicarilla 98 #4

## Proposed P & A

### Basin Fruitland Coal

SW Section 19, T-26-N, R-3-W, Rio Arriba County, NM

Today's Date: 5/23/95

Spud: 9/16/57

Completed: 6/26/94

Nacimiento @ 2405'

Ojo Alamo @ 3490'

Kirtland @ 3563'

Fruitland @ 3695'

Pictured Cliffs @ 3818'

Mesaverde @ 5518'

