

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-080375E
2. Name of Operator Meridian Oil Inc.	6. If Indian, All.or Tribe Name
3. Address & Phone No. of Operator Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well, Footage, Sec, T, R, M. 1000'S, 1075'W Sec.1, T-25-N, R-8-W, NMPM	8. Well Name & Number Sheets C #4
	9. API Well No.
	10. Field and Pool Basin Fruitland Coal
	11. County and State San Juan County, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA	
Type of Submission	Type of Action
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<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

11-19-90 MOL&RU. SDFN.  
11-20-90 Kill well w/wtr. ND WH. NU BOP. TOO H w/1 1/4" tbg. Ran  
GR-CCL-CNL 2200-2751'. Set CIBP @ 2700'. PT 990#. Spot 200  
gal. 15% HCl acid @ 2685'. Perf 2570-76', 2606-08', 2613-18',  
2622-28', 2652-57', 2262-66'. TIH w/SAP tool. SDFN.  
11-21-90 BD perfs. TOO H w/tool. Swabbed well. SD for holiday.  
11-26-90 Swabbed. Ran 84 jts 2 3/8", 4.7#, J-55 EUE tbg landed @  
2672'. Sn @ 2640'. ND BOP. NU WH. Released rig.

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

Signed [Signature] Title Regulatory Affairs Date 11-29-90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITION OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

DATE

JAN 07 1991

FARMINGTON RESOURCE AREA

BY [Signature]

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER SF-080375-E
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR  MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P.O. BOX 4289 FARMINGTON, NM 87499 (505) 326-9700	8. FARM OR LEASE NAME SHEETS C
4. LOCATION OF WELL  1000' FSL, 1075' FWL	9. WELL NO. #4
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. M SEC. 01, T25N, R08W
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY SAN JUAN
16. ACRES IN LEASE	13. STATE NM
17. ACRES ASSIGNED TO WELL	
291.92	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH OCT 4 1990
	20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (DF, FT, GR, ETC.) 6957 DF	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>[Signature]</i> (CRB) REGULATORY AFFAIRS	9-20-90 DATE

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. APPROVED  
(NO ADDITIONAL DIRT WORK WILL BE REQUIRED)

*Added 104 FOR CRB*  
NMOC

SEP 28 1990  
FOR Ken Townsend  
AREA MANAGER

Submit to Appropriation  
District Office -  
State Leases - 4 copies  
Fee Leases - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form E-102  
Revised 1-1-80

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer 00, Artesia, NM 88210

DISTRICT III  
1000 Rio Grande Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Sheets C (SF-080375E)		Well No. 4
Unit Letter M	Section 1	Township 25 North	Range 8 West	County San Juan	
Actual Footage Location of Well: 1000 feet from the South line and 1075 feet from the West					
Ground level elev. 6950'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage 291.92 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, forced-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation - communitization agreement will be obtained this form if necessary.  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Not re-surveyed prepared  
from a plat by Carl E.  
Matthews dated 3-11-68.

RECEIVED  
OCT 14 1990  
OIL CON. DIV.  
DIST. 3

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 Affairs

Position  
Meridian Oil Inc.

Company  
P-20-90

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys, and/or from a reliable source, and that the same is correct to the best of my knowledge and belief.

Date  
9-19-90

Date Surveyed

Signature  
Professional



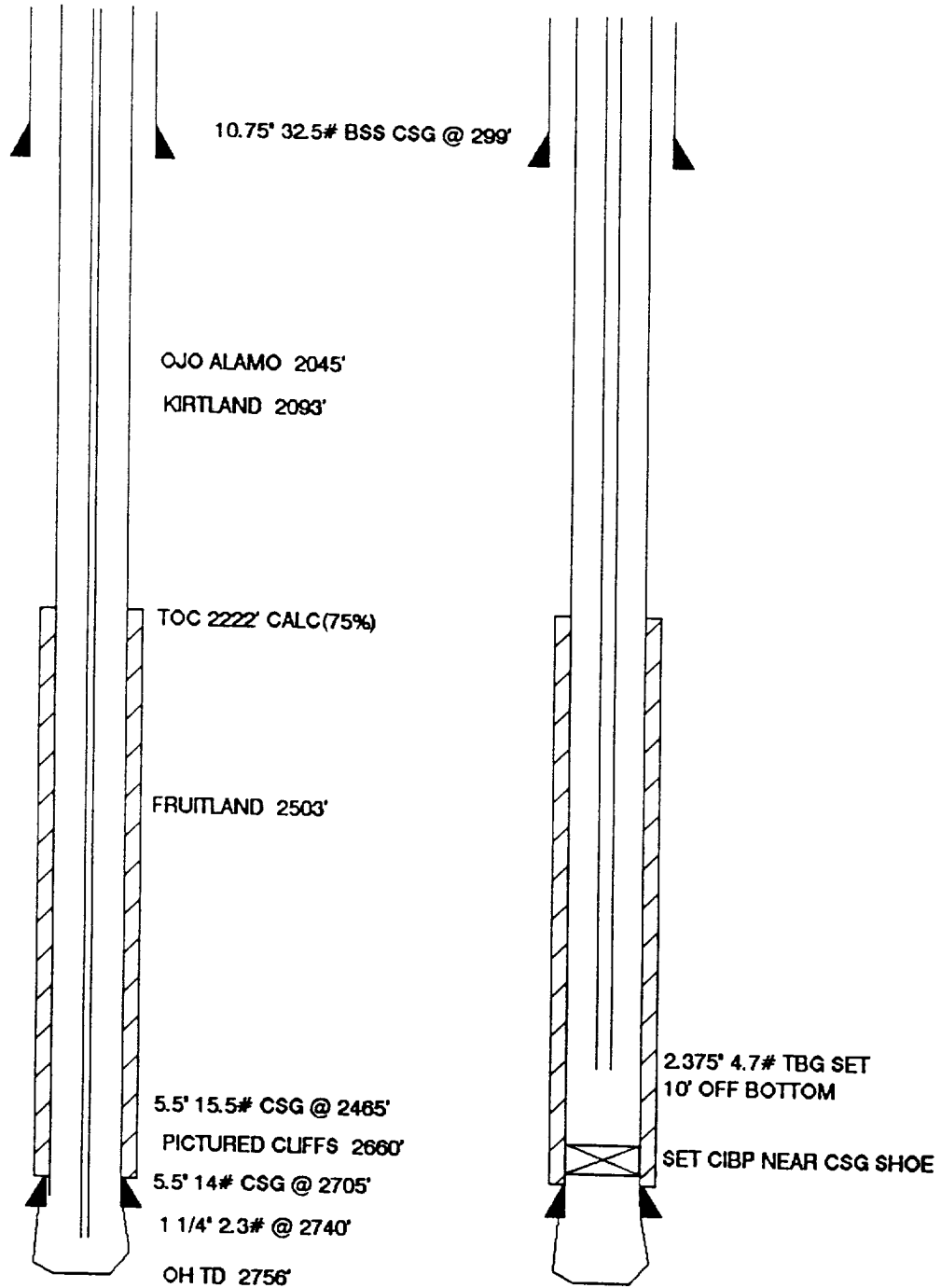
Neale C. Edwards

# SHEETS C #4

## WELLBORE DIAGRAMS

BEFORE R/C

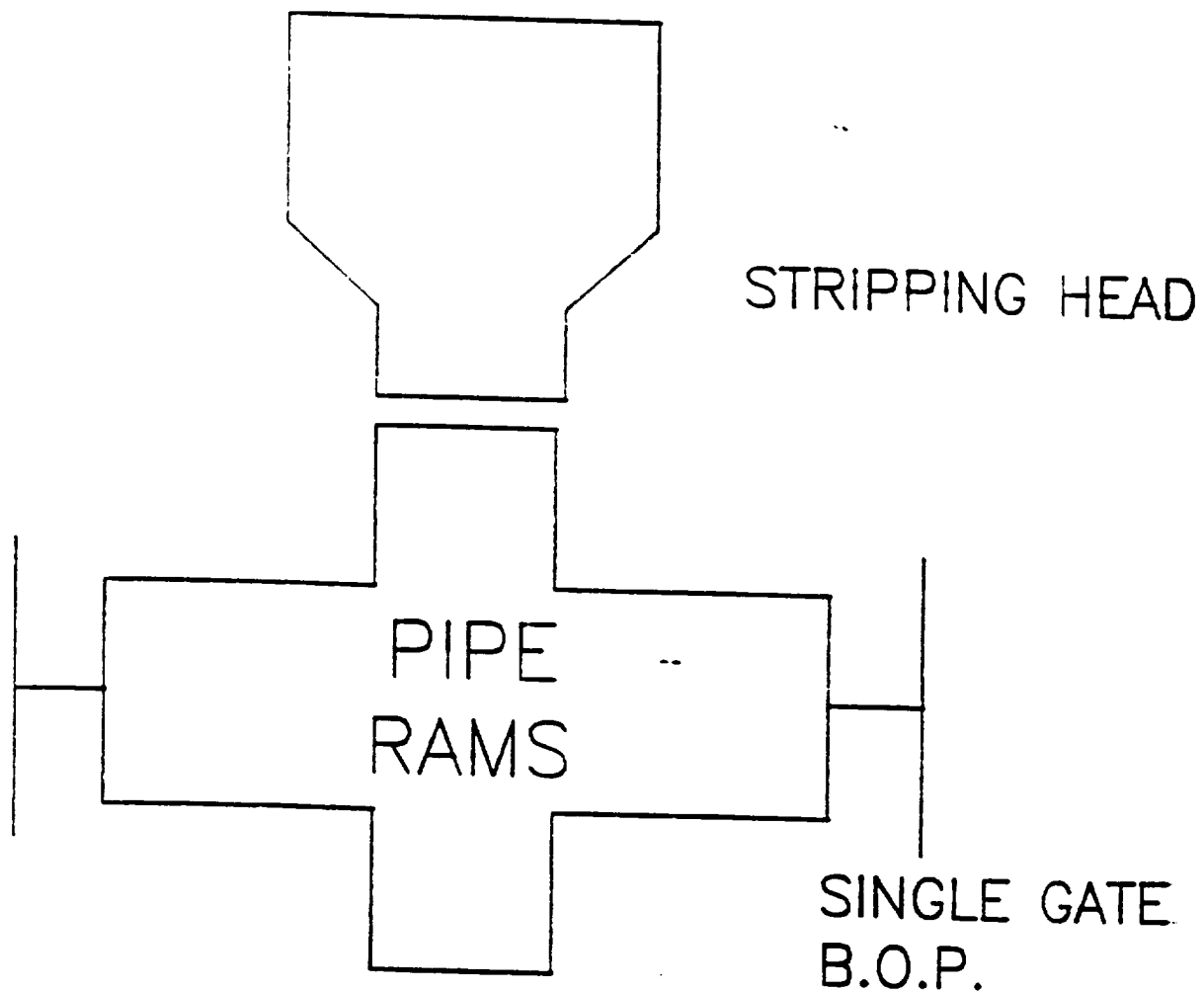
AFTER R/C



Sheets C #4  
Procedure to Recomplete Fruitland Coal

1. Check location anchors.
2. MOL and rig up daylight pulling unit with rig pump and blow tank.
3. Kill PC with water as needed. ND wellhead. NU BOP. TOOH with 1" tubing.
4. Run CNL-GR-CCL. Set cast iron bridge plug at 2705'.
5. Pressure test casing to 3000 psi for 15 minutes.
6. Perforate the Fruitland Coal interval.
7. Pick up retrievable bridge plug and packer. TIH on 2 3/8" tubing. Isolate each coal interval and breakdown.
8. Fracture stimulate well.
9. Open well through variable choke and flow back slowly.
10. TIH with 2 3/8" tubing with expendable check on bottom. Blow well with air.
11. Obtain and record gauges. When returns dry up, TOOH with 2 3/8" tubing.
12. TIH with 2 3/8" 4.7# EUE tubing with pump out plug on bottom and common pump seating nipple one joint off bottom. Land tubing at 2695'. Nipple down BOP. Nipple up wellhead.

# WORKOVER / RECOMPLETION B. O. P. SCHEMATIC



MINIMUM: 2 7/8" 1500 PSI SINGLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD  
PRESSURE IS LESS THAN 1500 PSI

$$\begin{array}{r} 140.97 \\ 150.95 \\ \hline 291.92 \end{array}$$

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports on Wells

97 OCT 31 PM 4:28

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES** OIL & GAS COMPANY

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
1000' FSL, 1075' FWL, Sec. 1, T-25-N, R-8-W, NMPM

5. Lease Number  
SF-080375  
6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Sheets C #4  
9. API Well No.  
30-045-05533  
10. Field and Pool  
Basin Fruitland Coal  
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 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. A detailed procedure will be submitted by 12-15-97.

RECEIVED  
NOV - 5 1997  
OIL CON. DIV.

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

Signed [Signature] (KLM1) Title Regulatory Administrator Date 10/31/97

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date 11/1/97  
CONDITION OF APPROVAL, if any:



~~27 DEC 15 PM 1:43~~

070 P... ..

2. Name of Operator

**BURLINGTON  
RESOURCES**

**OIL & GAS COMPANY**

3. Address &amp; Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1000' FSL, 1075' FWL, Sec<sup>m</sup> 1, T-25-N, R-8-W, NMPM

8. Well Name & Number  
Sheets C #4

9. API Well No.  
30-045-05533

10. Field and Pool  
Basin Fruitland Coal

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

X Notice of Intent

X Abandonment

## Change of Plans

### Subsequent Report

## Recompletion

           New Construction

## Final Abandonment

## Plugging Back

## Non-Routine Fracturing

## Final Abandonment

## Casing Repair

Water Shut off

## Altering Casing

## Conversion to Injection

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  
DEC 22 1997

OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (KLM1) Title Regulatory Administrator Date 12/15/97

(This space for Federal or State Office use)

APPROVED BY Chip Hamaden Title Geologist Date 12/19/97

CONDITION OF APPROVAL, if any:

## PLUG & ABANDONMENT PROCEDURE

11-16-97

### Sheets C #4

DPNO 510432

1000' FSL and 1075' FWL / SW, Section 1, T-25-N, R-8-W  
San Juan Co., New Mexico

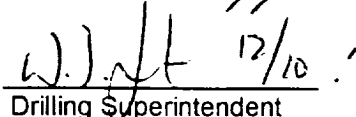
Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and BROGC safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. **Plug #1 (Pictured Cliffs top and Fruitland perforations and top, 2520' - 2453'):** TIH with additional tubing and tag CIBP at 2700'. Pump 30 bbls water down tubing to clear. Mix 43 sxs Class B cement (50% excess, long plug) and spot a balanced plug inside casing above CIBP to isolate Pictured Cliffs top and to fill Fruitland Coal perforations. POH and tally 2-3/8" tubing (2672') ; visually inspect the tubing. WOC, then TIH and tag cement with tubing. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. TOH with tubing.
3. **Plug #2 (Kirtland and Ojo Alamo tops, 2143' - 1995'):** Perforate 3 HSC squeeze holes at 2143'. Establish rate into squeeze holes if casing tested. PU 5-1/2" cement retainer and TIH; set at 2093'. Establish rate into squeeze holes. Mix 67 sxs Class B cement, squeeze 44 sxs cement outside casing and leave 23 sxs cement inside casing to cover Ojo Alamo top. TOH and LD tubing.
4. **Plug #3 (8-5/8" Casing shoe at 214'):** Perforate 3 HSC squeeze holes at 264'. Establish circulation down 5-1/2" casing and out bradenhead. Mix and pump approximately 83 sxs Class B cement from 264' to surface, circulate good cement out bradenhead. Shut in well and WOC.
5. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:

 12/8/97  
Operations Engineer

Approval:

 12/10/97  
Drilling Superintendent

# Sheets C #4

Proposed P&A

DPNO 51046B

Basin Fruitland Coal

SW, Section 1, T-25-N, R-8-W, San Juan County, NM

Lat/Long: 36°25.45", -107°38.31"

Today's Date: 11-16-97

Spud: 5-10-56

Completed: PC - 7-12-56

FtC - 11-26-90

Elevation: 6950' (GL)

6957' (KB)

Logs: GR/CCL/CNL

12-1/4" hole

8-5/8" 24# J-55 Csg set @ 214'

180 sxs cement (Circulated to Surface)

Perforate @ 264'

Plug #3 264' - Surface  
Cmt with 83 sxs Class B

Ojo Alamo @ 2045'

Kirtland @ 2093'

Plug #2 2143' - 1995'  
Cmt with 67 sxs Class B,  
44 sxs outside casing  
and 23 sxs inside.

Cmt Retainer @ 2093'

Perforate @ 2143'

TOC @ 2194' (Calc, 75%)

Fruitland @ 2503'

Plug #1 2700' - 2453'  
Cmt with 43 sxs Class B,  
(50% excess, long plug).

Fruitland Coal Perforations:  
2570' - 2666'

Pictured Cliffs @ 2668'

PBTD 2700'

CIBP @ 2700' (1990)

5-1/2" 14 & 15.5# J-55 Casing Set @ 2705'  
Cmt with 100 sxs

7-7/8" Hole

Pictured Cliffs Open Hole:  
2705' - 2756'

4-3/4" Hole

TD 2756'

# Sheets C #4

Current

DPNO 51046B

Basin Fruitland Coal

SW, Section 1, T-25-N, R-8-W, San Juan County, NM

Lat/Long: 36°25.45", -107°38.31"

Today's Date: 11-16-97  
Spud: 5-10-56  
Completed: PC - 7-12-56  
FtC - 11-26-90  
Elevation: 6950' (GL)  
6957' (KB)  
Logs: GR/CCL/CNL

12-1/4" hole

8-5/8" 24# J-55 Csg set @ 214'  
180 sxs cement (Circulated to Surface)

## Workover History

Nov '90: Pull 1-1/4" tubing; set CIBP  
at 2700'; PT casing; perf and acidize  
Ft Coal zones at 2570' - 2666'; swab  
test well; land tubing.

Ojo Alamo @ 2045'

Kirtland @ 2093'

2-3/8" Tubing Set at 2672'  
(84 jts 4.7#, EUE, SN 2640')

TOC @ 2194' (Calc, 75%)

Fruitland @ 2503'

Fruitland Coal Perforations:  
2570' - 2666'

Pictured Cliffs @ 2668'

CIBP @ 2700' (1990)

5-1/2" 14 & 15.5#, J-55 Casing Set @ 2705'  
Cmt with 100 sxs

7-7/8" Hole

Pictured Cliffs Open Hole:  
2705' - 2756'

4-3/4" Hole

PBTD 2700'

TD 2756'