

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

**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

990' FNL 1650' FWL, Sec. 14, T-31-N, R-12-W, NMPM

5. Lease Number  
SF-077652

6. If Indian, All. or  
Tribe Name

Unit Agreement Name

8. Well Name & Number  
East #1

9. API Well No.  
30-045-10789

10. Field and Pool  
Blanco Mesaverde

11. County and State  
San Juan Co, NM

**RECEIVED**  
SEP 23 1998  
**OIL CON. DIV.**  
DIST. 3

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  
BLM  
98 SEP 14 PM 1:00  
OIL CON. DIV. NM

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

Signed *John Shadwick* (MEL4) Title Regulatory Administrator Date 9/10/98  
TLW

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title \_\_\_\_\_ Date SEP 21 1998

CONDITION OF APPROVAL, if any:

NMCCD

## PLUG & ABANDONMENT PROCEDURE

3-29-98

### East #1

Blanco Mesaverde  
NW, Section 14, T-31-N, R-12-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.
2. 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.
3. Tag bottom and then POH and tally 172 joints 2-3/8" tubing (5012'); visually inspect the tubing.
4. **Plug #1 (Mesaverde top, squeeze holes and chemical cut, 4496' - 4200')**: RIH with open ended tubing to 4496'. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 27 sxs Class B cement and spot a balanced plug inside casing to cover MV top, squeeze holes and chemical cut. POH.
5. ND tubing hanger and weld slip on collar on 4-1/2" casing. Jet cut 4-1/2" casing at 2970'. NU BOP and install 4-1/2" rams. Rig up casing crew and pull and LD 4-1/2" casing. Install 2-3/8" rams.
6. **Plug #2 (4-1/2" Casing stub, 3020' - 2920')**: RIH with open ended tubing to 3020'. Load 7" casing with water and pressure test to 500#. Mix 29 sxs Class B cement and spot a balanced plug inside casing to cover 4-1/2" casing stub. POH to 2900' and reverse circulate. POH.
7. **Plug #3 (Pictured Cliffs top, 2895' - 2795')**: Perforate 3 HSC squeeze holes at 2895'. Establish rate into squeeze holes if casing tested. PU 7" cement retainer and RIH; set at 2845'. Establish rate into squeeze holes. Mix 59 sxs Class B cement, squeeze 30 sxs cement outside 7" casing and leave 29 sxs cement inside casing to cover PC top. POH with tubing.
8. **Plug #4 (Fruitland top, 2454' - 2354')**: Perforate 3 HSC squeeze holes at 2454'. Establish rate into squeeze holes if casing tested. PU 7" cement retainer and RIH; set at 2404'. Establish rate into squeeze holes. Mix 59 sxs Class B cement, squeeze 30 sxs cement outside 7" casing and leave 29 sxs cement inside casing to cover Fruitland top. POH with tubing.
9. **Plug #5 (Kirtland and Ojo Alamo tops, 1248' - 1107')**: Perforate 3 HSC squeeze holes at 1248'. Establish rate into squeeze holes if casing tested. PU 7" cement retainer and RIH; set at 1198'. Establish rate into squeeze holes. Mix 79 sxs Class B cement, squeeze 42 sxs cement outside casing and leave 37 sxs inside casing to cover Ojo Alamo top. POH and LD tubing.
10. **Plug #6 (10-3/4" Casing shoe at 128')**: Perforate 3 HSC squeeze holes at 178'. Establish circulation down 7" and out bradenhead. Mix and pump 80 sxs Class B cement down 7" casing from 178' to surface, circulate good cement out bradenhead. Shut in well and WOC.

# PLUG & ABANDONMENT PROCEDURE

East #1

3-29-98

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11. 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: M.E. Jettus  
Operations Engineer

Approval: \_\_\_\_\_  
Drilling Superintendent

# East #1

Current

DPNO 15390

Blanco Mesaverde

NW, Section 14, T-31-N, R-12-W, San Juan County, NM

Lat./Long.: 36° 54.1882 / 108° 4.07958

Today's Date: 3/29/98

Spud: 9/49

Completed: 12/49

Elevation: 6318' (GL)

6328' (KB)

Logs: T.S.

Workovers: May '62, Jan '98

Ojo Alamo @ 1157'

Kirtland @ 1198'

Fruitland @ 2404'

Pictured Cliffs @ 2845'

Mesaverde @ 4446'

15" hole

9" Hole

6-1/4" Hole

TD 5428'

10-3/4" 32.75# H-40 Csg set @ 128'  
Cmt w/ 100 sxs (Circulated to Surface)

## Well History

Dec '49: Open hole completion; ran 1" tubing.

May '62: Pull tubing; ran 4-1/2" casing and cement with 100 sxs; sqzd 260 sxs to cover MV perf zone; perfed and fraced MV zone; land 2-3/8" tubing at 5144'.

Jan '98: Planned Lewis Completion - Pull tubing; set RBP at 2010' to work on 4-1/2" casing; pull RBP; freepoint casing, found free at 3000' and stuck at 3100'; set CIBP at 5125', dump bail 48' cmt above; perf 2 squeeze holes at 4255'; unable to circulate; chemical cut casing at 4250', pull 90,000#, stuck; weld primary seal ring to casing and land; land 2-3/8" tubing.

Casing free at 3000' (1998)

2-3/8" Tubing @ 5012'  
(172 jts, 4.7#, J-55, EUE)

TOC @ 4013' (Calc, 75%)

Perfed 2 sqz holes @ 4255',  
unable to circulate to surface; cut  
4-1/2" casing at 4250' (1998)

TOC @ 4600' (TS)

CIBP Set @ 5125', capped with cement (1998)

7" Casing, Unknown #, Set @ 5154' (1949)  
Cement with 225 sxs

Mesaverde Perforations:  
5156' - 5196', 5204' - 5220'

Squeeze hole at 5240',  
Cement with 260 sxs (1962)

4-1/2" 9.5# J-55 Casing set @ 5401'  
Cmt with 100 sxs, TOC at 5275',

TS  
Bit & sub left in hole (1962)

**East #1**  
**Proposed P&A**  
**DPNO 15390**  
**Blanco Mesaverde**

NW, Section 14, T-31-N, R-12-W, San Juan County, NM

Lat./Long.: 36° 54.1882 / 108° 4.07958

Today's Date: 3/29/98  
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 6328' (KB)  
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Ojo Alamo @ 1157'

Kirtland @ 1198'

Fruitland @ 2404'

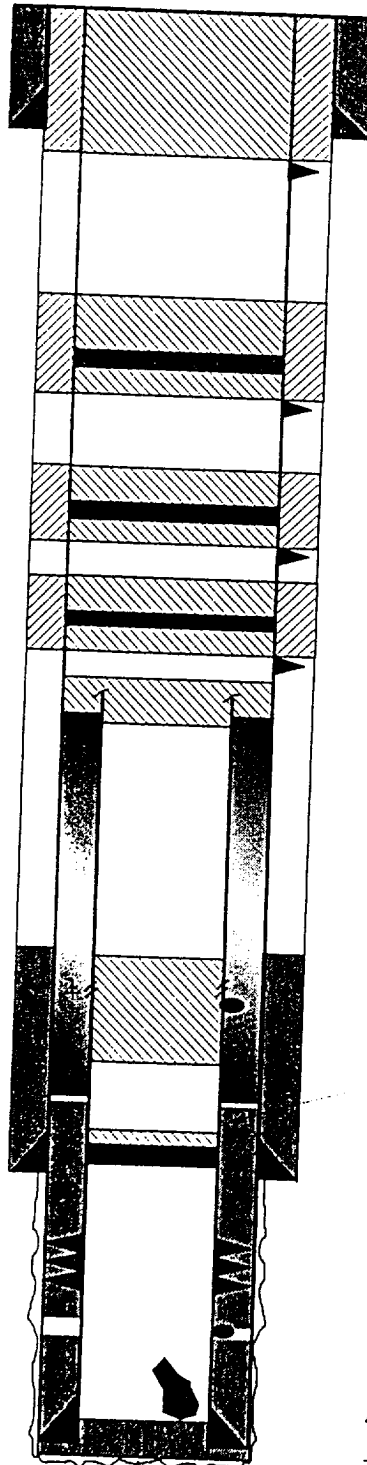
Pictured Cliffs @ 2845'

Mesaverde @ 4446'

15" hole

9" Hole

6-1/4" Hole



TD 5428'

10-3/4" 32.75# H-40 Csg set @ 128'  
 Cmt w/ 100 sxs (Circulated to Surface)

**Plug #6** 178' - Surface  
 Cmt with 80 sxs Class B

**Plug #5** 1248' - 1107'  
 Cmt with 79 sxs Class B,  
 42 sxs outside casing  
 and 37 sxs inside.

**Cmt Retainer @ 1198'**

**Perforate @ 1248'**

**Plug #4** 2454' - 2354'  
 Cmt with 59 sxs Class B,  
 30 sxs outside casing  
 and 29 sxs inside.

**Cmt Retainer @ 2404'**

**Perforate @ 2454'**

**Plug #3** 2895' - 2795'  
 Cmt with 59 sxs Class B,  
 30 sxs outside casing  
 and 29 sxs inside.

**Cmt Retainer @ 2845'**

**Perforate @ 2895'**

**Cut and pull casing at 2970'**

Casing free at 3000' (1998)

**Plug #2** 3020' - 2920'  
 Cmt with 29 sxs Class B

**Plug #1** 4496' - 4200'  
 Cmt with 27 sxs Class B

**TOC @ 4013' (Calc, 75%)**

Perfed 2 sqz holes @ 4255',  
 unable to circulate to surface; cut  
 4-1/2" casing at 4250' (1998)

**TOC @ 4600' (TS)**

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