

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

2005 OCT 14 AM 9 09

1. **Type of Well**
GAS

RECEIVED
070 FARMINGTON NM

5. **Lease Number**
SF-081098

6. **If Indian, All. or
Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

3. **Address & Phone No. of Operator**

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

8. **Well Name & Number**

Riddle #1

9. **API Well No.**

30-045-09804

10. **Field and Pool**

Blanco Mesaverde
County and State
San Juan, NM

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

Sec., T—N, R—W, NMPM

Unit D (NWNW), 486' FNL & 323' FWL, Sec. 4, T30N, R9W NMPM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission:

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action:

☒ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

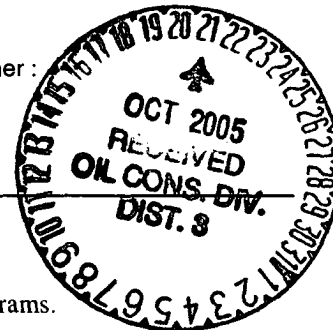
☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☐ Other:



13. Describe Proposed or Completed Operations

It is intended to Plug & Abandon the subject well according to the attached procedure and well bore diagrams.

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

Signed

Philana Thompson

Philana Thompson

Title Regulatory Associate II Date 10/13/05

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason

Title _____

Date

OCT 19 2005

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

PLUG AND ABANDONMENT PROCEDURE

October 1, 2005

Riddle #1

AIN #4794501

Blanco Mesaverde

486' FNL and 323' FWL, Section 4, T30N, R9W

San Juan County, NM / API 30-045-09804

Lat: N 36.84602 / Long: W 107.48593

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and BR safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH tallying and visually inspect 2.375" tubing, total 4494'. If necessary LD tubing and PU workstring. Round-trip 7" casing scraper to 4617'.
3. **Plug #1 (Mesaverde open hole interval and top, 4500' – 4400')**: TIH and set a 7" CR at 4500'. Pressure test tubing to 1000#. Load casing above the CR with water and circulate well clean. Pressure test casing to 800#. *If casing does not test, spot or tag subsequent plugs as appropriate.* Mix and pump 100 sxs cement, squeeze 74 sxs below the Cr and then spot 26 sxs above the CR to isolate the Mesaverde. TOH with tubing.
→ Chacra plug 3762' - 3662'
4. **Plug #2 (Pictured Cliffs top, 3060' – 2960')**: Perforate 3 squeeze holes at 3060'. Attempt to establish rate into squeeze holes if casing pressure tested. Set a 7" cement retainer at 3010'. Establish rate into squeeze holes. Mix and pump 53 sxs cement, squeeze 27 sxs outside then casing and leave 26 sxs inside to cover the PC top. TOH with tubing.
2910' 2610'
5. **Plug #3 (Fruitland top, 2755' – 2655')**: Perforate 3 squeeze holes at 2755'. Attempt to establish rate into squeeze holes if casing pressure tested. TIH and set 7" cement retainer at 2705'. Mix and pump 53 sxs cement, squeeze 27 sxs outside then casing and leave 26 sxs inside to cover the Fruitland top. TOH with tubing.
2710'
6. **Plug #3 (Kirtland and Ojo Alamo tops, 1930' – 1730')**: Perforate 3 squeeze holes at 1930'. Attempt to establish rate into squeeze holes if casing pressure tested. TIH and set 7" cement retainer at 1880'. Establish rate into the squeeze holes. Mix and pump 92 sxs Type III cement, squeeze 58 sxs outside and leave 44 sxs inside to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing.
1927' 1688' 1927'
7. **Plug #4 (Nacimiento top and 10.75" casing shoe and surface, 470' - Surface)**: Perforate 3 squeeze holes at 70'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 230 sxs cement down the 7" casing to circulate good cement out bradenhead. Shut well in and WOC.
22
8. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Recommended:


Operations Engineer

10/10/05

Approved:


Drilling Superintendent

Engineer: Brian Hilgers

Office - (324-6101)

Cell - (793-6312)

Sundry Required: YES NO

Approved: _____

Lease Operator: Greg Valdez

Foreman: Tim Friesenhan

Cell: 320-1258 Pager: 324-2493

Office: 326-9539 Cell: 320-2552

Riddle #1

Current

AIN # 4794501, Blanco Mesaverde

486' FNL & 323' FWL, Section 4, T-30-N, R-9-W

San Juan County, NM, API #30-045-09804

Lat: N 36.84602 / Long: W 107.48593

Today's Date: 10/1/05

Spud: 7/7/50

Completion: 8/14/50

Elevation: 6223' GL
6237' KB

13.75" hole

10.75" 32.75#, H-40 Casing set @ 240'
Cement with 200 sxs, Circulated to Surface

Nacimiento @ 420'

Ojo Alamo @ 1780'

Kirtland @ 1880'

Fruitland @ 2705'

Pictured Cliffs @ 3010'

**Well sidetracked in 12/54 with
window cut from 4521'-4536'**

9" Hole

Chacra @ 4670'

Mesaverde @ 4750'

6.125" Hole

Well History:

Aug '95: Ran 2" gauge ring to TD at 5318', Ran 1.25" blind box to TD at 5318'.

Mar '98: Tubing Repair. Tubing stuck. Chem cut tubing at 4480', TOH to 4400'. Chem cut tubing at 5005' and TOH with 14 joints fish. Left 7 joints in hole. Land tubing at 4494'.

Apr '01: Ran 1.901" GR to 4444', set down SN; ran 1.75" GR to 4529', set down TD.

2.375" Tubing set at 4494'
(4.7#, J-55 EUE)

TOC @ 3632' (Calc, 75%)

7" 20#, J-55 Casing set @ 4645'
Cmt with 200 sxs (236 cf)

Mesaverde Open Hole Interval
4667' - 4850'

Left 7 joints tubing in well; TOF at 5005'
(1998)

TD 5370'

Riddle #1

Proposed P&A

AIN # 4794501, Blanco Mesaverde
486' FNL & 323' FWL, Section 4, T-30-N, R-9-W
San Juan County, NM, API #30-045-09804

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window cut from 4521'-4536'**

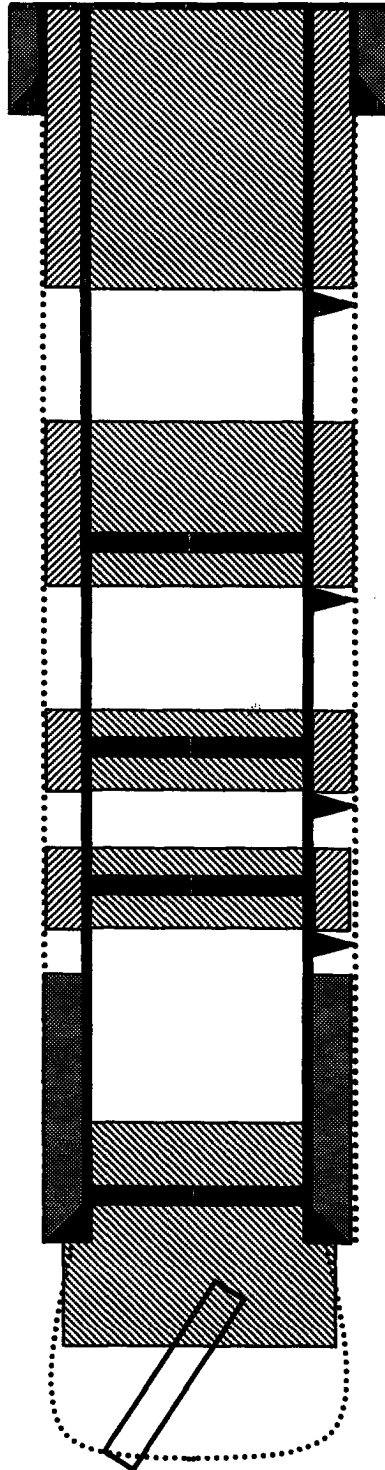
Chacra @ 4670'

Mesaverde @ 4750'

13.75" hole

9" Hole

6.125" Hole



10.75" 32.75#, H-40 Casing set @ 240'
Cement with 200 sxs, Circulated to Surface

Plug #5: 470' - 0'
Type III cement, 230 sxs

Perforate @ 470'

Plug #4: 1930' - 1730'
Type III cement, 97 sxs:
53 sxs outside casing
and 44 sxs inside.

Cmt Ret @ 1880'

Perforate @ 1930'

Plug #3: 2755' - 2655'
Type III cement, 53 sxs:
27 sxs outside casing
and 26 sxs inside.

Cmt Ret @ 2705'

Perforate @ 2755'

Plug #2: 3060' - 2655'
Type III cement, 53 sxs:
27 sxs outside casing
and 26 sxs inside.

Cmt Ret @ 3010'

Perforate @ 3060'

TOC @ 3632' (Calc, 75%)

Plug #1: 4500' - 4400'
Type III cement, 100 sxs:
74 sxs below CR and
26 sxs above.

Set 7" CR @ 4500'

7" 20#, J-55 Casing set @ 4645'
Cmt with 200 sxs (236 cf)

Mesaverde Open Hole Interval
4667' - 4850'

Left 7 joints tubing in well; TOF at 5005'
(1998)

TD 5370'