

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2005 JUN 24 PM 2:59

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  
2365'FSL, 1935'FWL, Sec. 9, T30N, R10W, NMPM

5. Lease Number  
NMSFS-077730  
6. If Indian, All. or  
Tribe Name  
070 FARMINGTON NM

7. Unit Agreement Name

8. Well Name & Number  
Sunray E #2M  
9. API Well No.  
30-045-30838  
10. Field and Pool  
Blanco MV/Basin DK  
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 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 - Plug back Mesaverde /TA Well	

13. Describe Proposed or Completed Operations

It is intended to plug back the Mesaverde interval of the subject well and leave well TA'd for future Fruitland Coal production according to the attached procedure and wellbore schematic.

Burlington Resources requests permission to maintain the subject well's TA status as long as possible. Currently evaluating for future Fruitland Coal uphole potential.

(Verbally approved by Wayne Townsend 6/23/05)

TA  
THIS APPROVAL EXPIRES 7/1/06

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

Signed Joni Clark Title Regulatory Specialist Date 6/23/05

(This space for Federal or State Office use)

APPROVED BY Wayne Townsend Title Pet. Eng. Date 6/30/05

CONDITION OF APPROVAL, if any:

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

NMOCD

**Sunray E #2M**  
**Plug Back and TA Procedure**

2365' S, 1935' W  
K - 9 - 30N - 10W  
San Juan County, NM  
LAT: 36 DEG 49.6 LONG: 107 DEG 53.5  
GL =6,376' KB= 6,391'

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.

**Type III cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.**

1. TIH and release RBP. TOOH with 2 3/8" tubing, packer, and RBP. TIH with tubing and tag CIBP at 7350'.
2. **Plug #1 (Dakota top, 7350' – 7278')**: Mix 10 sxs Type III cement and spot on top of CIBP at 7350' to cover the Dakota top. WOC and tag. PU to 6584'.
3. **Plug #2 (Gallup top, 6584' – 6484')**: Mix 10 sxs Type III and spot a balanced plug inside the casing to cover the Gallup top. TOOH. WOC and tag. TOOH.
4. **Plug #3 (Pt. Lookout Isolation, 5100')**: RIH with a 4 1/2" cement retainer and set at 5100'. TIH with tubing and sting into retainer, mix 50 sxs Type III cement and squeeze below retainer. TOOH.
5. **Plug #4 (Mesaverde top, 3791' – 3691')**: RIH with a 4 1/2" CIBP and set at 3791'. TIH with 2 3/8" tubing to 3791'. Mix 10 sxs Type III and spot a on top of the CIBP cover the Mesaverde top. TOOH.
6. **Plug #5 (Intermediate shoe and Production Liner top, 3346' – 3063')**: Mix 33 sxs Type III and spot a balanced plug inside the casing to cover the intermediate shoe and the production liner top. TOOH.
7. Notify BLM/OCD 24 hrs in advance to witness pressure test.
8. Load the hole and pressure test to 500 psi for 30 minutes. Use 1000# max spring and 24 hr max chart. ND BOP and NU wellhead. RDMO.

Recommended:

\_\_\_\_\_  
Operations Engineer

Approved:

\_\_\_\_\_  
Drilling Superintendent

Engineer

Office - (599-4043)  
Cell - (320-0321)

**Sundry Required: YES**

# Sunray E #2M

2365' S, 1935' W

K - 9 - 30N - 10W

San Juan County, NM

LAT: 36 DEG 49.6

LONG: 107 DEG 53.5

GL = 6,376'

KB= 6,391'

## Proposed Wellbore

### Surface Casing:

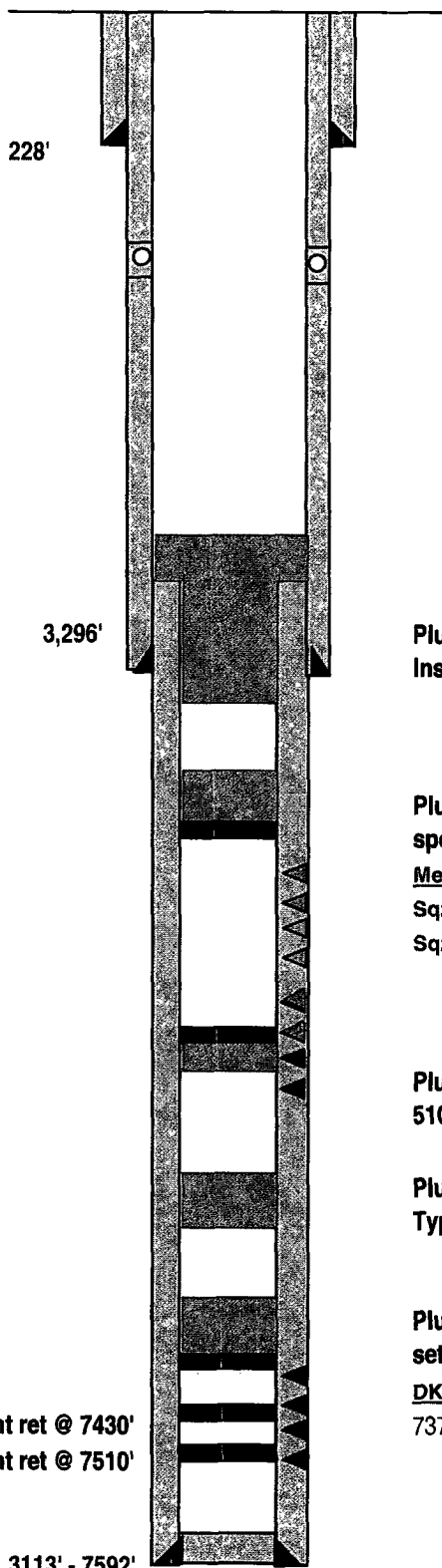
9-5/8" 32.3# H-40  
set @ 228  
Cement w/ 260 sx  
TOC @ Circ to surf

### Intermediate Casing:

7" 23.0# J-55  
set @ 3296  
DVT @ 2359 sx  
1st stg Circ to surf Cement w/ 88 sxs  
2nd stg Circ to surf Cement w/ 90 sxs

### Production Liner:

4-1/2" 10.5# J-55  
set @ 3113' - 7592'  
Cement w/ 337 sx  
TOC @ Circ to surf



Ojo Alamo 1,630'  
Kirtland 1,768'  
Fruitland Coal 2,468'  
Pictured Cliffs 3,010'  
Huer Bent 3,741'  
Chacra 4,050'  
Massive Cliff House 4,525'  
Menefee 4,842'  
Point Lookout 5,238'  
Mancos 5,686'  
Gallup 6,534'  
Dakota 7,375'

**Plug #5 Intermediate shoe/Liner Top 3346'-3063':**  
Inside plug with 33 sxs Type III neat cement

**Plug #4 Mesaverde 3791'-3691':** Set CIBP at 3791' and  
spot 10 sxs Type III neat cement on top

Mesaverde 3929' - 5574'  
Sqz'd 3929' - 4397' w/ 200 sxs type III cmt (12/02)  
Sqz'd 4912' - 4984' w/ 200 sxs type III cmt (12/02)

**Plug #3 Pt. Lookout Isolation:** Set cement retainer at  
5100' and squeeze 50 sxs Type III cement below

**Plug #2 Gallup 6584'-6484':** Inside plug with 10 sxs  
Type III neat cement

**Plug #1 Dakota 7350'-7278':** CIBP set @ 7350'(already  
set). Spot 10 sxs Type III neat cement on top

DK  
7378' - 7539'

JBC

06/24/05