

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

**RECEIVED**

Sundry Notices and Reports on Wells

JUL 10 2008

1. **Type of Well**  
Gas

Bureau of Land Management  
Farmington Field Office

5. **Lease Number**  
NMSF- 081155  
6. **If Indian, All. or  
Tribe Name**

2. **Name of Operator**  
Burlington Resources Oil & Gas Company LP

7. **Unit Agreement Name**

Allison Unit

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

8. **Well Name & Number**

Allison Unit Inj #142

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

9. **API Well No.**

30-045-29195

4. **Location of Well, Footage, Sec., T, R, M**  
Sec., T--N, R--W, NMPM

10. **Field and Pool**

Basin Fruitland Coal

Unit E (SWNW) 1920' FNL & 850' FWL, Sec. 19, T32N, R06W NMPM

11. **County and State**  
San Juan Co., NM

**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 P & A

**13. Describe Proposed or Completed Operations**

Burlington Resources requests to P & A the subject well per the attached procedure.

Attached : Well Bore Diagram

RCVD JUL 17 '08  
OIL CONS. DIV.  
DIST. 3

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

Signed

*Tracey N. Monroe*

Tracey N. Monroe Title Regulatory Technician Date 7/10/08

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_

Date JUL 17 2008

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**

**ConocoPhillips**  
**Allison Unit INJ 142**  
**Plug and Abandon**

Lat 36° 58' 03" N Long 107° 30' 20" W

**Prepared By:** Kassadie Gastgeb

**Date:** 07/10/2008

**Production Engineering Peer review/approved By:**

**Date:** / /

**Scope of work:** Plug and abandon CO<sub>2</sub> Injection well, Allison Unit INJ 142

**Est. Cost:** \$43M

**Est. Rig Days:** 4

**WELL DATA:**

**API:** 3004529195

**Location:** 1920' FNL & 850' FWL, Unit E, Section 19- T 32N - R6W

**PBTD:** 3373' **TD:** 3386'

**Perforations:** 3049'-3104' (FRC)

<b><u>Casing:</u></b>	<b><u>OD</u></b>	<b><u>Wt., Grade</u></b>	<b><u>Connection</u></b>	<b><u>ID/Drift (in)</u></b>	<b><u>Depth</u></b>
	8-5/8"	24.0#, K-55		8.097	384.2'
	5-1/2"	185.5#, K-55		4.950	3385.8'
<b><u>Tubing:</u></b>	2-3/8"	4.70#, J-55		1.995/1.901	3021'
<b><u>R Nipple:</u></b>	2-3/8"	4.70#, J-55			3022'

**Well History/ Justification:** The Allison Unit INJ 142 was drilled and completed as a CO<sub>2</sub> injection well in 1994. The well was part of a pilot CO<sub>2</sub> injection test in the Allison Units in order to establish the technical feasibility of Enhanced Coalbed Methane Recovery (ECBM). CO<sub>2</sub> competes for adsorption space with methane; therefore the premise of ECBM is that CO<sub>2</sub> enhances the recovery of methane from coal relative to primary recovery. The Allison pilot was established to test this technology. Changes in operating conditions of the producing wells in the pilot area over the last several years have complicated the technical evaluation of the Allison Unit CO<sub>2</sub> injection pilot. The producing wells within the pilot area have been on a production decline and have operated under relatively stable operating conditions. This well was never connected to a pipeline and produced. Therefore, there are no production graphs available on this well and no production was ever reported to the state. The well is currently TA'ed and the TA status has expired. The BLM is requesting a plan of action by July 13, 2008. The RAM team has evaluated the well for future potential and concluded that the wellbore cannot be utilized. It is intended to Plug and Abandon the Allison Unit INJ 142 wellbore.

**B2 Adapters** are required on all wells other than pumping wells.

**Artificial lift on well (type):** NONE

**Est. Reservoir Pressure (psig):** 1100 psi (FRC)

**Well Failure Date:** N/A

**Current Rate (Mcfd):** N/A    **Est. Rate Post Remedial (Mcfd):** N/A

**Earthen Pit Required:** YES

**Special Requirements:**    Notify appropriate regulatory body 24 hours before cementing.

**Production Engineer:**    Kassadie Gastgeb    Office: 324-5145, Cell: 793-6312

**Backup Engineer:**    Dryonis Pertuso    Office: 599-3409, Cell: 320-6568

**MSO:**    Frank Anstead    Cell: 320-2860

**Lead:**    Howard Self    Cell: 320-2495

**Area Foreman:**    Mark Poulson    Cell: 320-2523

**ConocoPhillips**  
**Allison Unit INJ 142**  
**Plug and Abandon**

Lat 36° 58' 03" N Long 107° 30' 20" W

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.

All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. This project requires the Operator to obtain an approved NMOCD C-144 Pit or Below-Grade Tank Registration application for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes\_\_\_\_, No X, Unknown\_\_\_\_  
Tubing: Yes X, No\_\_\_\_, Unknown\_\_\_\_, Size 2.875" Length 3022'  
Packer: Yes X, No\_\_\_\_, Unknown\_\_\_\_, Type Unknown  
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.
4. **Plug #1 (Pictured Cliffs top and Fruitland Interval, Kirtland and Ojo Alamo tops, 2999' – 2210')**: TIH and set 5.5" CR at 2999'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 1000#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 98 sxs Class G cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs and Fruitland intervals and cover through the Ojo Alamo top. PUH.  
739' 639'
5. **Plug #2 (Nacimiento top, ~~1420'~~ – ~~1020'~~)**: Mix and pump ~~18~~ sxs Class G cement inside ~~outside~~ casing and spot a balanced plug to cover the Nacimiento top. TOH and LD tubing.
6. **Plug #3 (Surface, 434' - Surface)**: Perforate 3 squeeze holes at 434'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 135 sxs cement and pump down the 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
7. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

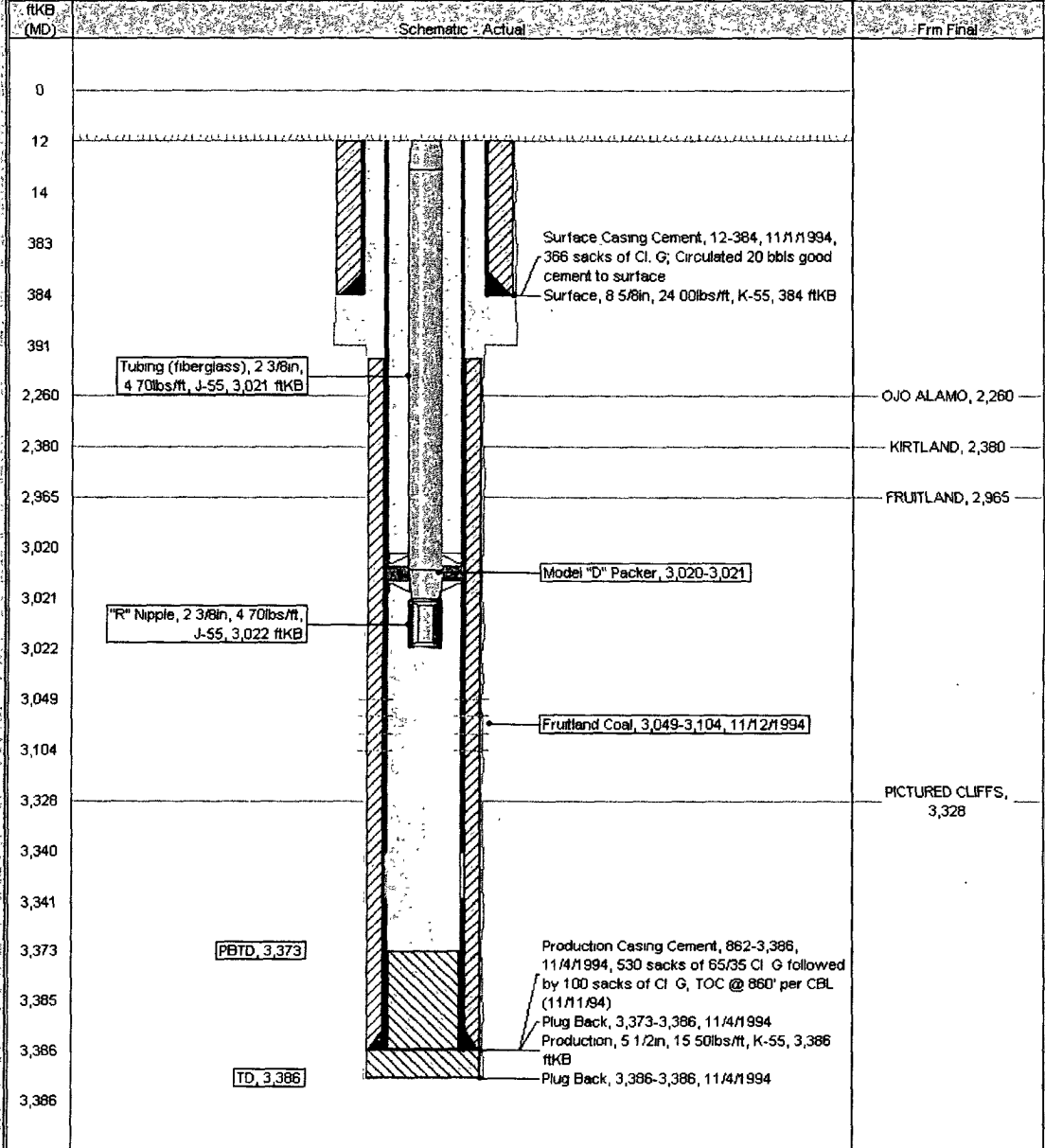
# Current Schematic

ConocoPhillips

Well Name: ALLISON UNIT INJ #142

API/URN	Shrine Legal Location	Field Name	License No	State/Province	Well Configuration Type	Edit
3004529195	19-032N-006VV	888 (TLE COAL)		NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Grind Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
6,449.00	6,461.00	12.00	6,461.00	6,461.00		

Well Config: 30045291950000; 7/10/2008 10:03 10 AM



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 142 Allison Unit

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Place the Nacimiento plug from 739' – 639' inside and outside the 5 ½" casing.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.