

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number NMSF078472 Unit Reporting Number 070 Farmington, NM
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name Allison Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Allison Unit Com 9. Well Number 105S
4. Location of Well 950' FNL, 1815' FWL Latitude 36° 57.3617'N, Longitude 107° 32.3308'W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 26, T-32-N, R-7-W API # 30-045-31871
14. Distance in Miles from Nearest Town Ignacio 18 miles, Allison 10 miles	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 950'	17. Acres Assigned to Well 320 N2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 20'	
19. Proposed Depth 3628'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6713' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Deputy Case</u> Regulatory/Compliance Supervisor	Date <u>8-8-03</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY

/s/ David J. Mankiewicz

TITLE

DATE

OCT - 9 2003

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 31871		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 6785	*Property Name ALLISON UNIT COM		*Well Number 105S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6713'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	26	32N	7W		950	NORTH	1815	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres N/320					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>¹⁶</p> <p>USA SF-078472</p> <p>1815'</p> <p>LAT: 36°57.3617' N LONG: 107°32.3308' W</p> <p>USA NM-2995</p> <p>USA SF-078483-A</p> <p>26</p> <p>RECEIVED</p> <p>2003 AUG 22 PM 2:04</p> <p>070 Farmington, NM</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Peggy Cole</i></p> <p>Signature</p> <p>Peggy Cole</p> <p>Printed Name</p> <p>Regulatory Supervisor</p> <p>Title</p> <p>8-8-03</p> <p>Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Survey Date: SEPTEMBER 20, 2002</p> <p>Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269</p> <p>JASON C. EDWARDS</p> <p>Certificate Number 15269</p>

OPERATIONS PLAN

Well Name: Allison Unit Com #105S
Location: 950' FNL, 1815' FWL Section 26, T-32-N, R-7-W
Latitude 36° 57.3617' N, Longitude 107° 32.3308' W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6713' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2536'	
Ojo Alamo	2536'	2638'	aquifer
Kirtland	2638'	3096'	
Fruitland	3096'	3347'	
Intermediate TD	3297'		
Fruitland Coal	3347'	3625'	gas
B/Basal Coal	3625'	3629'	gas
Total Depth	3628'		
Pictured Cliffs	3629'		

Logging Program: none
Mudlog: from 7" to TD
Coring Program: none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120-3297'	Non-dispersed	8.4-9.0	30-60	no control
3297-3628'	Air/Mist			

Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3297'	7"	20.0#	J-55
6 1/4"	3297' - 3628'	open hole		

Alternate Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3297'	7"	20.0#	J-55
6 1/4"	3257' - 3628'	5 1/2"	15.5#	J-55

Tubing Program:

0' - 3628'	2 3/8"	4.7#	J-55
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Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill float collar. Standard centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2638'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 32 sx Class A, B Portland Type I, II cement (38 cu.ft. of slurry, bring cement to surface through 3/4" line) or equivalent. WOC 24 hours for pre-set holes or 8 hours for conventionally set holes before pressure testing or drilling out from under surface casing.

7" intermediate casing - lead w/291 sacks Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack flocele, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks Type III cmt with 1% calcium chloride, 1/4#/sack flocele and 0.2% FL-52 (743 cu.ft., 50% excess to circulate to surface).

5 1/2" liner - will not be cemented if run.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to intermediate TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600#/30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is less than 500 psi.
- * This gas is dedicated.
- * The north half of section 26 is dedicated to the Fruitland Coal.

Date: 8-12-03

Drilling Engineer: Jennifer McCarthy

BURLINGTON RESOURCES

SAN JUAN DIVISION

*Released
10-5-03*

September 5, 2003

(Certified Mail – Return Receipt Requested)

Re: Allison Unit Corn #105S
Basin Fruitland Coal
950'FNL, 1815'FWL Section 26, T-32-N, R-7-W
San Juan County, New Mexico

To the Affected Persons:

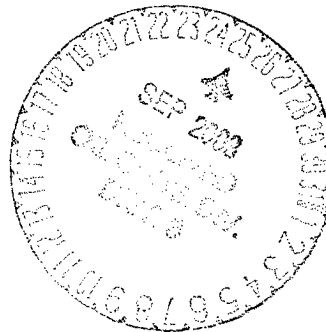
Burlington Resources Oil & Gas Company LP is submitting the enclosed Application for Permit to Drill to the appropriate regulatory agency(s) for approval. This well is located inside the High Productivity Area of the Basin-Fruitland Coal Pool as indicated on the attached plat. Notice is being made pursuant to New Mexico Oil Conservation Commission Order R-8768-F dated July 17, 2003.

The affected parties have twenty (20) days from receipt of this notice in which to file with the District Office of the New Mexico Oil Conservation Division written objection to the proposed Application for Permit to Drill.

Sincerely,

Tammy Wimsatt

Tammy Wimsatt
Regulatory Specialist



SENDER:

- Complete items 1, 2 and 3.
- Indicate if restricted delivery is desired.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following service (for an extra fee):

☐ **Restricted Delivery**

Consult postmaster for fee.

1. Article Addressed to:

**ConocoPhillips Company
Chief Landman San Jaun/Rockies
PO Box 2197
PO Box 2197
Houston, TX 77252-2197**

2. Article Number

7110 6605 9590 0006 8663

3. Service Type ☒ **CERTIFIED**

Date of Delivery SEP 15 2003

Received By: (Print Name)

**Enter delivery address
if different than item 1.**

Signature - (Addressee or Agent)

PS Form 3811

DOMESTIC RETURN RECEIPT

1:41 PM 8/26/2003

Code: FTC HPA Infill Allison Com 1056