

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF078459B 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 9. Well Number 107S
4. Location of Well 730' FSL, 1855' FWL Latitude 36° 58.5685, Longitude 107° 33.3998	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 15, T-32-N, R-7-W API # 30-045- 31334
14. Distance in Miles from Nearest Town Ignacio 15 miles, Allison 8 miles	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 730'	
16. Acres in Lease	17. Acres Assigned to Well 335.36 W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 20'	
19. Proposed Depth 3519' 3619'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6854' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Deanna Cole</u> Regulatory/Compliance Supervisor	Date <u>1-2-03</u>

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

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.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.9 and appeal pursuant to 43 CFR 3165.4

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

NMOC

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

Form C-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 31334		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 6784	*Property Name ALLISON UNIT		*Well Number 107S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6854'

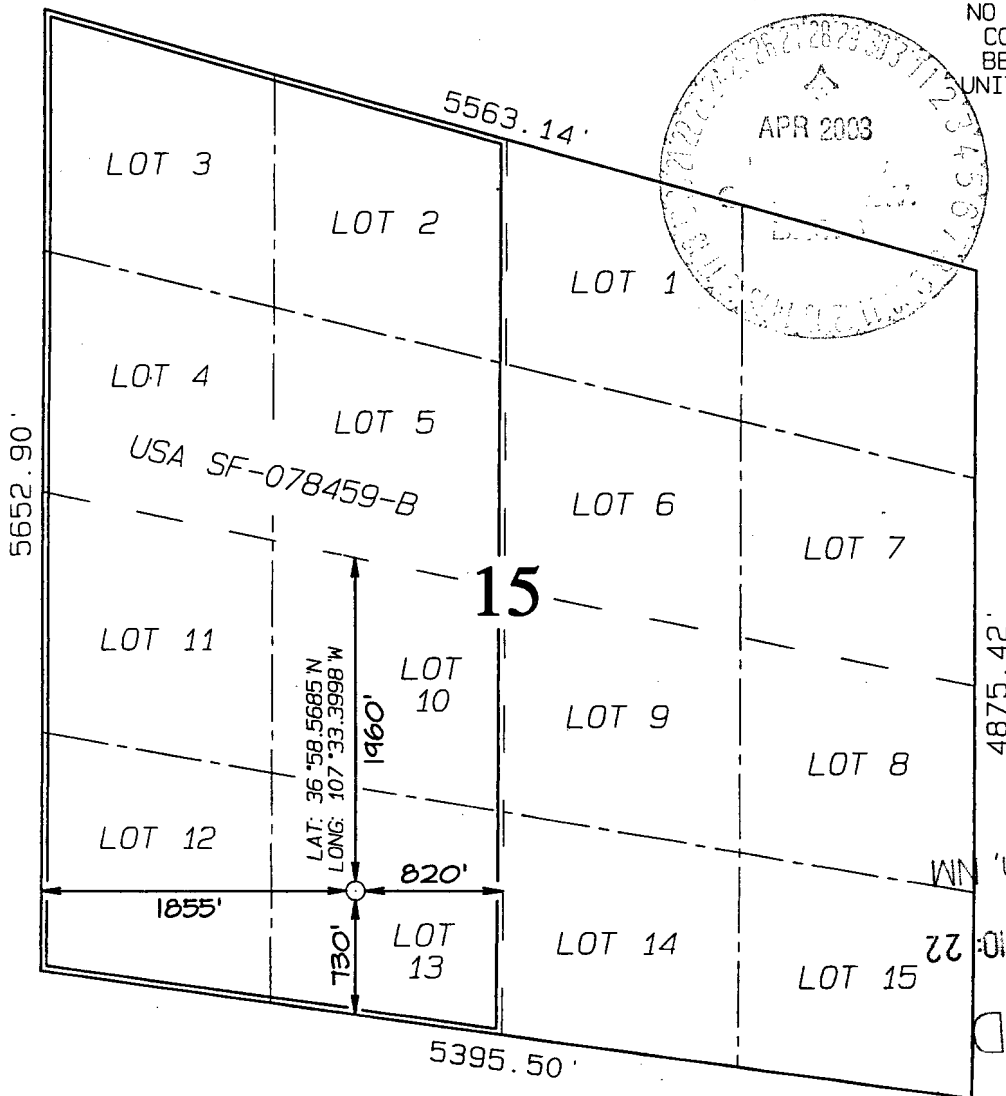
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	32N	7W		730	SOUTH	1855	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 W/335.36	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

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Peggy Cole
Signature

Peggy Cole
Printed Name
Regulatory Supervisor
Title

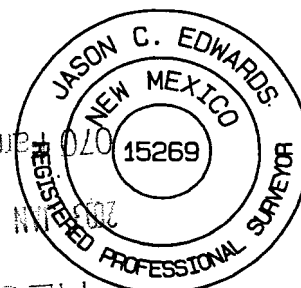
1-2-03
Date

¹⁸ SURVEYOR CERTIFICATION

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.

Survey Date: AUGUST 26, 2002

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMSF078459B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM78372C8. Well Name and No.
ALLISON UNIT 107S9. API Well No.
30-045-31334-00-X110. Field and Pool, or Exploratory
BASIN FRUITLAND COAL11. County or Parish, and State
SAN JUAN COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BURLINGTON RESOURCES O&G CO LP

Contact: PEGGY COLE

E-Mail: pcole@br-inc.com

3a. Address

3401 EAST 30TH
FARMINGTON, NM 87499

3b. Phone No. (include area code)

Ph: 505.326.9727
Fx: 505.326.9781

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T32N R7W SESW 730FSL 1855FWL

APR 2003

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Change to Original A |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | PD |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

It is intended to change the total depth of the submitted Application for Permit to Drill, Deepen or Plug Back to 3619'. Our desire for the additional footage is to create a sump for capture of coal fines and formation water in an effort to more effectively produce the well.

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

Electronic Submission #19297 verified by the BLM Well Information System
For BURLINGTON RESOURCES O&G CO LP, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 03/10/2003 (03AXG0813SE)

Name (Printed/Typed) PEGGY COLE

Title REGULATORY ADMINISTRATOR

Signature (Electronic Submission)

Date 03/06/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

/s/ David J. Mankiewicz

Title

APR 25 2003

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

NMOC

OPERATIONS PLAN

Well Name: Allison Unit #107S
Location: 730' FSL, 1855' FWL Section 15, T-32-N, R-7-W
Latitude 36° 58.5685' N, Longitude 107° 33.3998' W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6854' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2284'	
Ojo Alamo	2284'	2364'	aquifer
Kirtland	2364'	3089'	
Fruitland	3089'	3441'	
Intermediate TD	3391'		
Fruitland Coal	3441'	3519'	gas
B/Basal Coal	3519'	3702'	gas
Total Depth	3519'		
Pictured Cliffs	3702'		

Mudlog: with Softrock from 7" to TD
Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 450'	Spud	8.4-9.0	40-50	no control
450-3391'	Non-dispersed	8.4-9.0	30-60	no control
3391-3519'	Air/Mist			

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 450'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3391'	7"	20.0#	K-55
6 1/4"	3391' - 3519'	open hole		

Tubing Program:

0' - 3519'	2 3/8"	4.7#	J-55
------------	--------	------	------

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 @ 2364'. 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 313 sx Type III cement w/2% calcium chloride, 0.25 pps celloflake (441 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hours. PT csg to 600 psi for 30 minutes.

7" intermediate casing - lead w/418 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 (1014 cu.ft., 100% excess to circulate to surface).

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 west half of section 15 is dedicated to the Fruitland Coal.

Date:

1/8/03

Drilling Engineer:

Erin F. Giles