

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	2003 AUG 19 PM 1:24 070 Farmington, NM	5. Lease Number NMSF080067A Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company		7. Unit Agreement Name
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 131S
4. Location of Well 1950' FNL, 660' FWL Latitude 36° 58.0523'N, Longitude 107° 31.4672'W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 24, T-32-N, R-7-W AP# 30-045- 31861
14. Distance in Miles from Nearest Town Ignacio 19 miles, Allison 7 miles	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'		
16. Acres in Lease	17. Acres Assigned to Well 320 W/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'		
19. Proposed Depth 3347'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6570' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u><i>Deputy Case</i></u> Regulatory/Compliance Supervisor	Date <u>8-8-03</u>	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY /s/ David J. Mankiewicz TITLE _____ DATE NOV 13 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.

No notification required per R-8768-F.

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

NMOC

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

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

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

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

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 31861	*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 6784	*Property Name ALLISON UNIT	*Well Number 131S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6570'

10 Surface Location

UL or lot no. E	Section 24	Township 32N	Range 7W	Lot Idn	Feet from the 1950	North/South line NORTH	Feet from the 660	East/West line WEST	County SAN JUAN
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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
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12 Dedicated Acres W/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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

<div>16</div> <div>USA SF-080067-A</div> <div>LAT: 36°58.0523' N LONG: 107°31.4672' W</div> <div>24</div> <div>5285.94'</div> <div>5189.58'</div> <div>660'</div> <div>650'</div> <div>1950'</div> <div>1980'</div> <div>5303.10'</div> <div>RECEIVED</div> <div>NOV 19 PM 1:24</div> <div>070 Burlington, NM</div>	<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div></div> <div>Signature Peggy Cole</div> <div>Printed Name Regulatory Supervisor</div> <div>Title 8-8-03</div> <div>Date</div> <div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>Survey Date: SEPTEMBER 18, 2002</div> <div>Signature and Seal of Professional Surveyor</div> <div></div> <div></div> <div>Certificate Number 15269</div>
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OPERATIONS PLAN

Well Name: Allison Unit #131S
Location: 1950' FNL, 660' FWL Section 24, T-32-N, R-7-W
Latitude 36° 58.0523' N, Longitude 107° 31.4672' W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6570' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2365'	
Ojo Alamo	2365'	2473'	aquifer
Kirtland	2473'	2930'	
Fruitland	2930'	3160'	
Intermediate TD	3110'		
Fruitland Coal	3160'	3447'	gas
Total Depth	3347'		
B/Basal Coal	3447'	3452'	gas
Pictured Cliffs	3452'		

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
120-3110'	Non-dispersed	8.4-9.0	30-60	no control
3110-3347'	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' - 3110'	7"	20.0#	J-55
6 1/4"	3110' - 3347'	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' - 3110'	7"	20.0#	J-55
6 1/4"	3070' - 3347'	5 1/2"	15.5#	J-55

Tubing Program:

0' - 3347'	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 @ 2473'. 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/271 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 (701 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 west half of section 24 is dedicated to the Fruitland Coal.

Date: 8/12/03

Drilling Engineer:

John J. McCarty