

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

200 AUG -3 PM 1:12  
070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number NM-04207 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> 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 #39B
4. Location of Well 275' FSL, 1785' FEL Latitude 36° 58.4, Longitude 107° 29.8	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) <input checked="" type="radio"/> Sec. 18, T-32-N, R-6-W API # 30-045-30324
14. Distance in Miles from Nearest Town 4 mi from Allison	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 275'	
16. Acres in Lease	17. Acres Assigned to Well 320 E/2
18. Distance from Proposed Location to Nearest Well, Drig. Compl, or Applied for on this Lease 1500'	
19. Proposed Depth 6115'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6553' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>James C. [Signature]</u> Regulatory/Compliance Administrator	<u>1-26-00</u> Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY /s/ Jim Lovato TITLE \_\_\_\_\_ DATE FEB - 6

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.

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

2088-3 PM 1:19

☐ AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-30324		<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name Blanco Mesaverde
<sup>4</sup> Property Code 6784	<sup>5</sup> Property Name ALLISON UNIT		<sup>6</sup> Well Number 39B
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		<sup>9</sup> Elevation 6553

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	18	32N	6W		275	SOUTH	1785	EAST	SAN JUAN

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres E/320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 1316.70'	1339.14'	2669.70'	<div><p><sup>17</sup> 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 Administrator</p><p>Title</p><p>1-26-00</p><p>Date</p></div> <div><p><sup>18</sup> 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>NOVEMBER 26, 1999</p><p>Date of Survey</p><p>Signature and Seal of Professional</p><p>NEALE C. EDWARDS</p><p>NEW MEXICO</p><p>6857</p><p>Certificate</p><p>6857</p></div>
2663.76'	LOT 1		
2653.20'	LOT 2		
1312.08'	LOT 3		
1325.28'	LOT 4		

275'

39B

1785'

2650.56'

NM-04207

18

39M

2676.96'

2632.74'

275' FSL & 1785' FEL, SECTION 18, T32N, R6W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

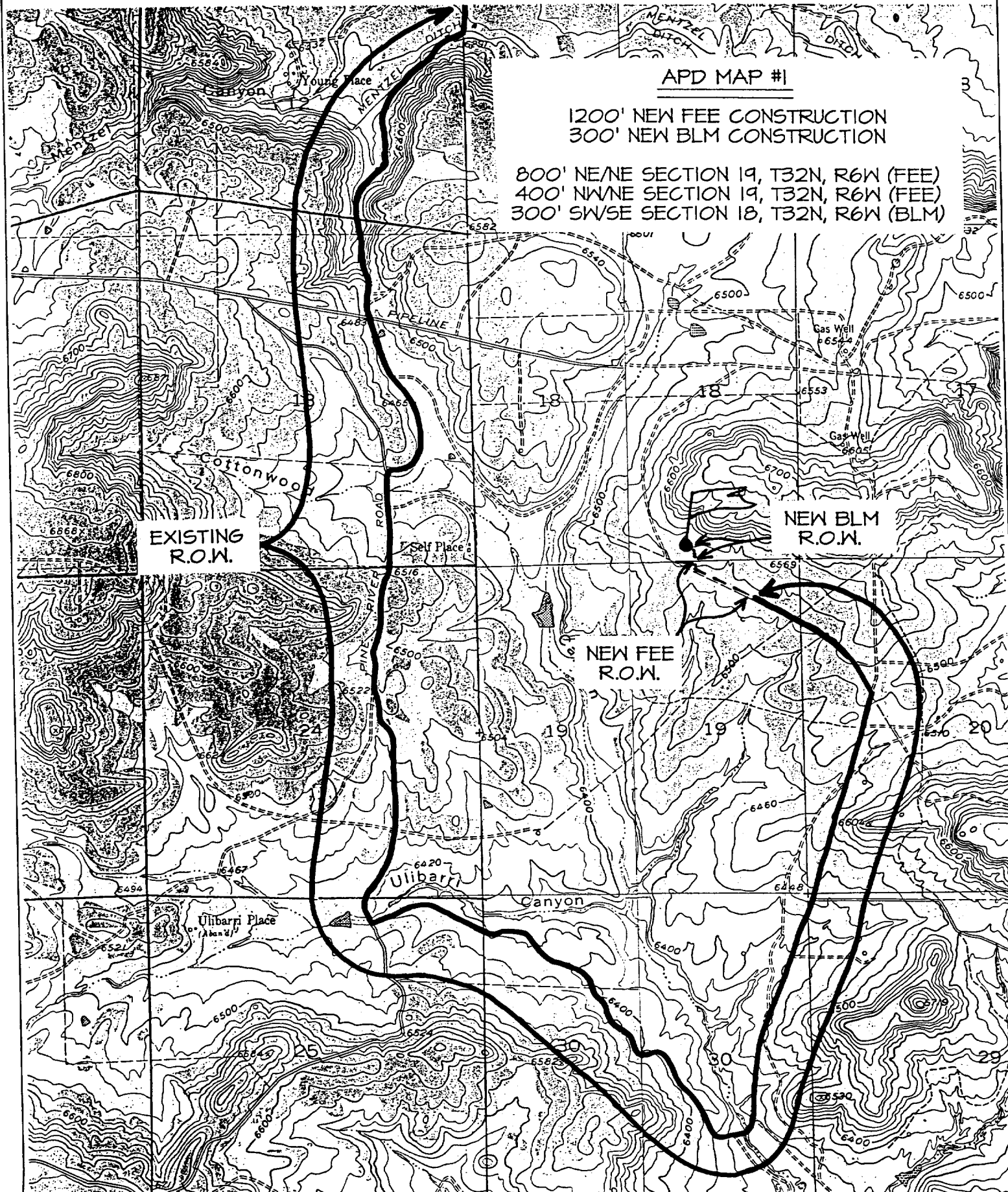
1200' NEW FEE CONSTRUCTION  
300' NEW BLM CONSTRUCTION

800' NE/NE SECTION 19, T32N, R6W (FEE)  
400' NW/NE SECTION 19, T32N, R6W (FEE)  
300' SW/SE SECTION 18, T32N, R6W (BLM)

EXISTING  
R.O.W.

NEW BLM  
R.O.W.

NEW FEE  
R.O.W.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## Sundry Notices and Reports on Wells

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

275' FSL, 1785' FEL, Sec. 18, T-32-N, R-6-W, NMPM

5. Lease Number  
NM-04207

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name  
Allison Unit

8. Well Name & Number  
Allison Unit #39B

9. API Well No.  
30-045-

10. Field and Pool  
Blanco Mesaverde

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 Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to alter the casing depths and cement of the subject well.

Revisions:

Mud Program:

Interval	Type	Weight	Fluid Loss
0-200'	Spud	8.4-9.0	No control
200-3765'	LSND	8.4-9.0	No control
3765-6115'	Air/Mist	n/a	n/a

Casing Program:

Hole Size	Depth Interval	Casing Size	Weight	Grade
12 1/4"	0-200'	9 5/8"	32.3#	H-40
8 3/4"	0-3765'	7"	20.0#	J-55
6 1/4"	3665-6115'	4 1/2"	10.5#	J-55

Cementing Program:

9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface).  
 7" intermediate casing - lead w/509 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (1428 cu.ft. of slurry, 150% excess to circulate to surface).  
 7" intermediate casing alternative two stage: Stage collar at 2789'. First stage: cement w/287 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Second stage: w/411 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (1428 cu.ft. of slurry, 150% excess to circulate to surface).  
 4 1/2" production liner - cement with 246 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (352 cu.ft., 40% excess to circulate liner).

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

Signed Tammy Wimsatt Title Regulatory Supervisor Date 11/15/00

TLW

(This space for Federal or State Office use)

APPROVED BY

m Lovato

Title

Date

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.

## OPERATIONS PLAN

**Well Name:** Allison Unit #39B  
**Surface Location:** 275' FSL, 1785' FEL, Section 18, T-32-N, R-6-W  
San Juan County, New Mexico  
Latitude 36° 58.4, Longitude 107° 29.8  
**Formation:** Blanco Mesa Verde  
**Elevation:** 6553' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2358'	aquifer
Ojo Alamo	2358'	2508'	aquifer
Kirtland	2508'	2889'	gas
Fruitland	2889'	3193'	gas
Pictured Cliffs	3193'	3515'	gas
Lewis	3515'	4263'	gas
Intermediate TD	3615'		
Mesa Verde	4263'	4710'	gas
Chacra	4710'	5491'	gas
Massive Cliff House	5491'	5516'	gas
Menefee	5516'	5715'	gas
Point Lookout	5715'		gas
Total Depth	6115'		

### Logging Program:

Cased hole Gamma Ray, Cement bond - surface to TD

### Mud Program:

<u>Interval- MD</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3615'	LSND	8.4-9.0	30-60	no control
3615- 6115'	Air/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

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

<u>Hole Size</u>	<u>Measured Depth</u>	<u>Csq Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3615'	7"	20.0#	J-55
6 1/4"	3515' - 6115'	4 1/2"	10.5#	J-55

**Tubing Program:** 0' - 6115' 2 3/8" 4.7# J-55

### BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).  
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BOP Specifications, Wellhead and Tests (cont'd):

**Intermediate TD to Total Depth -**

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

**Surface to Total Depth -**

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

**Completion Operations -**

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

**Wellhead -**

9 5/8" x 7" x 2 3/8" x 2000 psi tree assembly.

**General -**

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

**Cementing:**

9 5/8" surface casing - cement with 159 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

**7" intermediate casing -**

Lead w/330 sx Class "B" w/3% sodium metasilicate, 7# gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 2% calcium chloride, 7# gilsonite/sx and 0.5# flocele/sx (1087 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 2789'. First stage: cement with 184 sx Class "B" 50/50 poz w/2% gel, 7 pps Gilsonite, 1% calcium chloride, 0.5 pps Cellophane. Second stage: 286 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 7 pps Gilsonite (1087 cu.ft., 100% excess to circulate to surface).