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

1a.	Type of Work DRILL	5. Lease Number  SF-081155  Unit Reporting Number
1b.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas Compan	7. Unit Agreement Name  Allison Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 8749	9. Well Number
	(505) 326-9700	#44B
4.	Location of Well 790'FSL, 1730'FWL Latitude 36° 56.8, Longitude 107°	10. Field, Pool, Wildcat  Blanco MV/Basin DK  11. Sec., Twn, Rge, Mer. (NMPM)  30.2  N Sec. 30, T-32-N, R-6-V  API# 30-045-30↑0 ℃
14.	Distance in Miles from Nearest Town 7 miles to Allison	12. County 13. State San Juan NM
	,	
15.	Distance from Proposed Location to Nearest Pr	
15. 16.		
	Distance from Proposed Location to Nearest Pr 790' Acres in Lease Distance from Proposed Location to Nearest W	roperty or Lease Line  17. Acres Assigned to Well  317 5
16.	Distance from Proposed Location to Nearest Proposed Location to Nearest Proposed Location to Nearest William Proposed Location to Nearest William This common to Nearest Proposed Location to Nearest Proposed Location to Nearest Proposed Location to Nearest Proposed Location to Nearest William This common Thi	roperty or Lease Line  17. Acres Assigned to Well 317  Vell, Drig, Compl, or Applied for on this Lease Rechnical and 11. 10. 43 CAR 3186.3 20. Rotary or Cable Tools
16. 18.	Distance from Proposed Location to Nearest Proposed In Lease  Distance from Proposed Location to Nearest William In the least of the Proposed Depth presedured received pursued	roperty or Lease Line  17. Acres Assigned to Well 317 Signature  Vell, Drig, Compl, or Applied for on this Lease Rechnical and 11. 10. 43 CAR 3186.3 20. Rotary or Cable Tools
16. 18. 19.	Distance from Proposed Location to Nearest Proposed In Lease  Distance from Proposed Location to Nearest William In Lease  This certain is subject to Proposed Depth Proposed Depth In Lease In	roperty or Lease Line  17. Acres Assigned to Well 317  /ell, Drig, Compl, or Applied for on this Lease technical and not to 43 CAR 3186.3 20. Rotary or Cable Tools 3 CAR 3186.4. Rotary
16. 18. 19.	Distance from Proposed Location to Nearest Proposed In Lease  Distance from Proposed Location to Nearest William In Lease  Distance from Proposed Location to Nearest William In Lease  This certain is subject to the Proposed Depth proposed Indicate purposed in Management In St.  Elevations (DF, FT, GR, Etc.)  6555' GR  Proposed Casing and Cementing Program	17. Acres Assigned to Well 317 S//-  Vell, Drig, Compl, or Applied for on this Lease technical and nt to 43 CFR 3145.3 20. Rotary or Cable Tools 3 CFR 3145.4. Rotary  22. Approx. Date Work will Start  BRITISHS OPERATIONS AUTHORIZED ARE SUBJECT TO COLUMNATE WITH ATTACH PROPERTY OF COLUMNATE WITH ATTACH PROPERTY OF COLUMNATE WITH ATTACH

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.

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

PO Box 2088

Form C-102 Revised February 21, 1994 Instructions on back

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

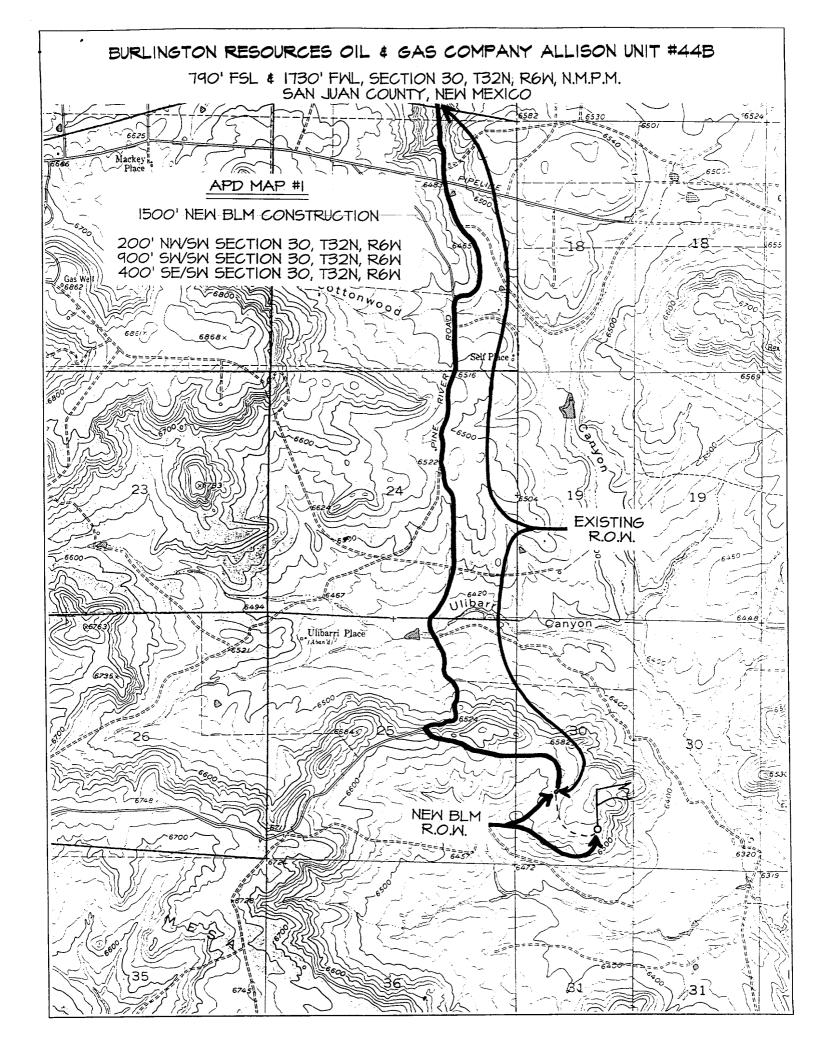
OIL CONSERVATION DIVISION

Santa Fe, NM 87504-2088 7 7 1 1: 53

AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

	DT. Number	······································		Pool Code			3	Pool Name			
7 . ( )			19/71599								
10-045- 0040 723197				·	Property Name				72.000	Well Number	
6784				ISON					448		
OGRID No.			*Op	*Operator Name				*Elevation			
BURL INGT			GTON RESOU	ON RESOURCES OIL & GAS COMP			PANY 6555				
14538				10 Surf	<sup>10</sup> Surface Location						
UL or lot no.	Section	Township	Range					Feet from the		t line	County
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			Hole Location	le Location If Diffe		ent From Sur		L			
UL or lot no.	Section	Township	Range	Lot Idn Feet fro		North/South line		from the	East/Wes	st line	County
12 Dedicated Acres		13 Joint or Infi	11 <sup>14</sup> Consol	idation Code 35 Order	No.						
s/317											
NO ALLOW	NABLE W	ILL BE AS	SSIGNED	TO THIS COM	PLETIO	N UNTIL ALL	INTE	RESTS H	HAVE BE	EN CO	NSOLIDATED
		OR A	NON-STA	ANDARD UNIT H	IAS BEF	EN APPROVED	BY TH	HE DIVI	SION		·
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## OPERATIONS PLAN

Well Name: Allison Unit #44B

Location: 790'FSL, 1730'FWL, Sec 30, T-32-N, R-6-W

San Juan County, NM

Latitude 36° 56.8, Longitude 107° 30.2

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 6555' GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	2417'	
Ojo Alamo	2417'	2537 <b>′</b>	aquifer
Kirtland	2537 <b>'</b>	2987 <b>'</b>	gas
Fruitland	2987 <b>'</b>	3362'	gas
Pictured Cliffs	3362'	3577 <i>'</i>	gas
Lewis	3577 <b>'</b>	4327'	gas
Intermediate TD	י 3677		
Mesa Verde	4327'	4752 <b>'</b>	gas
Chacra	4752 <b>'</b>	5512 <b>'</b>	gas
Massive Cliff House	5512'	5562'	gas
Menefee	5562 <b>'</b>	5807 <b>′</b>	gas
Massive Point Lookout	5807 <b>'</b>	6217 <b>'</b>	gas
Mancos	6217 <b>'</b>	7147'	gas
Gallup	7147′	7877 <b>'</b>	gas
Greenhorn	7877 <b>'</b>	7932 <b>'</b>	gas
Graneros	7932'	8062 <b>'</b>	gas
Dakota	8062 <b>'</b>		gas
TD	8177'		

## Logging Program:

Cased hole - GR/CBL - TD to surface Cores - none

## Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200	Spud	8.4-9.0	40-50	no control
200- 3677 <b>'</b>	LSND	8.4-9.0	30-60	no control
3677- 8177 <b>'</b>	Air/N2	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):

Hole Size	Depth Interval	Csg.Size	Wt.	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3677'	7"	20.0#	J-55
6 1/4"	8177'	4 1/2"	10.5#	K-55
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### Tubing Program:

0' - 8177' 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.

## 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 3000 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 drilling crew.
- All BOP tests and 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/336 sx Class "G" w/3% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# flocele/sx. Tail w/90 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps flocele, 5 pps gilsonite (1106 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 during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 2887'. First stage: cement with 186 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps flocele, 5 pps gilsonite. Second stage: 294 sx Class "G" w/3% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# flocele/sx (1106 cu.ft., 100% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 2537'. Two turbolating centralizers at the base of the Ojo Alamo at 2537'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead
with 459 sx 50/50 Class "G" Poz with 2% gel, 0.25# flocele/sx,
5# gilsonite/sx, 0.2% retardant and 0.4% fluid loss additive
(661 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a
minimum of 18 hrs prior to completing.

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

Cement float shoe on bottom with float collar spaced on top of shoe joint.

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The 4 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.

• If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

## Special Drilling Operations (Gas/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- Deduster equipment will be utilized.
- · The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

# Additional Information:

- The Dakota and Mesa Verde formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi Pictured Cliffs 600 psi Mesa Verde 700 psi Dakota 2500 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The south half of Section 30 is dedicated to the Mesaverde and Dakota in this well.

• This gas is dedicated.

Drilling Engineer

10/20/00