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

		5. Lease Numb	0.5
ι.	Type of Work	5. Lease Numb	
	DRILL	Unit Reporti	· · · /
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<b>)</b> .	Type of Well	NOV 2001 6. If Indian, All.	or Tribe
<b>J.</b>	GAS	len many the same	
	Operator	7. Unit Agreem	ent Name
	BURLINGTON RESOURCES Oil & Gas (	As the second second	
	RESOURCES Oil & Gas (	company Allis	on Unit Com $67$
	A LL O Divers No of Operator	8. Farm or Lea	eo Namo
	Address & Phone No. of Operator PO Box 4289, Farmington, NI		on Unit Com
	PO Box 4209, Faillington, Ni	9. Well Numbe	
	(505) 326-9700	#60A	•
	(303) 320 3700	,,	
	Location of Well	10. Field, Pool,	
-	960'FNL, 1805'FWL		verde/Basin Dakot
			Rge, Mer. (NMPM)
	Latitude 360 57.4, Longitude		26, T-32-N, R-7-W
		API # 30-045-	30434
	Distance in Miles from Nearest Town	12. County	13. State
4.		San G	
	18 miles from Ignacio	Sun (	, , , , , , , , , , , , , , , , , , , ,
5.	Distance from Proposed Location to Ne	arest Property or Lease Line	
	960 <b>′</b>	4	
6.	Acres in Lease	<b>17. Acres Ass</b> 320 1	
		520 1	N/Z
8.	Distance from Proposed Location to Ne	arest Well, Drlg, Compl, or Applied for on t	his Lease
<b>U</b> .	1100' Vine auton is	20. Rotary or	
9.	Proposed Depth Proposed real real	20. Rotary or (Rotary or Carp 3185.3)	Cable Tools
•	8332' and appeal pu	Rota	ry
	Elevations (DF, FT, GR, Etc.)	22. Approx. D	ate Work will Start
1.			
21.	6713' GR		
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	Proposed Casing and Cementing Progr	am sagatas o	erkom e e Alebenation A Tografia ellas wein Rom
		ea graph of the	
21.	Proposed Casing and Cementing Progr	ea graph of the	en er ig schäftlichtlich A Greivlichert wich Aben Kegonementst
	Proposed Casing and Cementing Progr	ed SMELLINE WEENERAL	NEQUIREMENTS!
<u>.</u> 23.	Proposed Casing and Cementing Progr See Operations Plan attach	ed SMELLINE WEENERAL	
	Proposed Casing and Cementing Progressions Plan attach	ed SMELLINE WEENERAL	negomements
<u>.</u> 23.	Proposed Casing and Cementing Progressions Plan attach	ed SUPLANT OF GENERAL Date	1-15-00
23. 24.	Proposed Casing and Cementing Progressions Plan attach	ed SUPLANT OF GENERAL Date	negomementot
3. 24. PERI	Proposed Casing and Cementing Progressions See Operations Plan attack  Authorized by: Regulatory/Complete	ed SMP.LLI WINGENERAL MICENERAL MICE	1-15-00

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 State of New Mexico PO Box 1980, Hobbs, NM 88241-1980 Energy, Minerals & Natural Resources Department District II PO Drawer DD, Artesia, NM 88211-0719 Submit to Appropriate District Office OIL CONSERVATION DIVISION PO Box 2088 [9] 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe. NM 87504-2088 District IV PO Box 2088, Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code 30-045-72319/71599 Blanco Mesaverde/Basin Dakota \*Property Name ALLISON UNIT COM \*Operator Name 14538 BURLINGTON RESOURCES OIL & GAS COMPANY <sup>10</sup> Surface Location North/South line Township Feet from the Feet from the UL or lot no. Section 35N 7 W 960 NORTH 1805 C 26 <sup>11</sup>Bottom Hole Location If Different North/South line Feet from the Feet from the UL or lot no. Section 13 Joint or Infill 14 Consolidation Code 12 Dedicated Acres 5351.94 USA SF-078472

Well Number 60A Elevation 6713 East/West line County WEST SAN JUAN From Surface East/West line County 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  ${\rm my}\ {\rm knowledge}\ {\rm and}\ {\rm belief}$ 34 LAT: 36 \*57.4 N LONG: 107 \*32.4 W 1805 Signature Peggy Cole Printed Name USA NM-2995 Regulatory Supervisor Title Date 5160. 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this pla 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. Reissued to show revised location. SEPTEMBER 26, 5000 Date of Su Certificate Numberesson 6857 5312.34

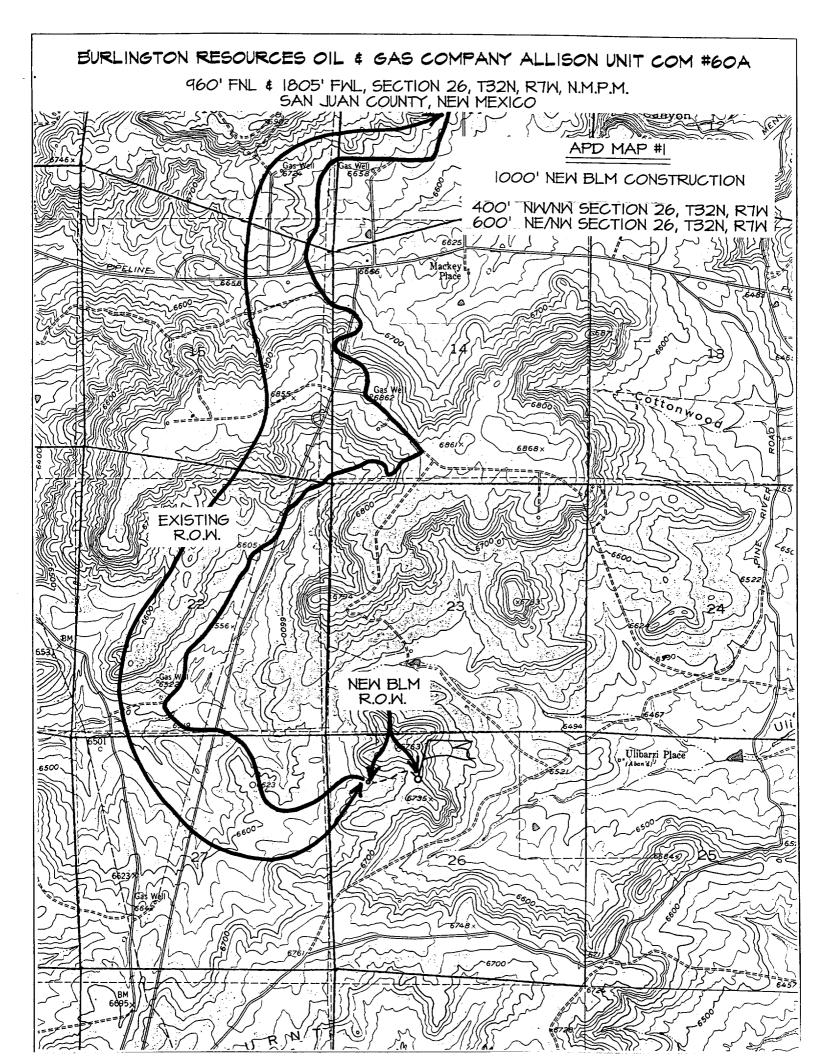
Form C-102

Revised February 21, 1994

Instructions on back

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT



## OPERATIONS PLAN

Well Name: Allison Unit Com #60A

Location: 960'FNL, 1805'FWL, Sec 26, T-32-N, R-7-W

San Juan County, NM

Latitude 36° 57.4, Longitude 107° 32.4

Formation: Blanco Mesa Verde/Basin Dakota

Elevation: 6713' GL

Formation Tops:	Top	<u>Bottom</u>	Contents
Surface	San Jose	2535'	
Ojo Alamo	2535 <b>'</b>	2640 <b>′</b>	aquifer
Kirtland	2640'	3080 <b>′</b>	gas
Fruitland	3080'	3507 <b>'</b>	gas
Pictured Cliffs	3507 <b>'</b>	3725 <b>'</b>	gas
Lewis	3725'	4473'	gas
Intermediate TD	3825'		
Mesa Verde	4473 <b>'</b>	4906 <b>'</b>	gas
Chacra	4906 <b>′</b>	5695 <b>′</b>	gas
Massive Cliff House	5695'	5733'	gas
Menefee	5733'	5950 <b>′</b>	gas
Massive Point Lookout	5950 <b>'</b>	6405'	gas
Mancos	6405 <b>'</b>	7295 <b>'</b>	gas
Gallup	7295 <b>'</b>	8027 <b>′</b>	gas
Greenhorn	8027'	8076'	gas
Graneros	8076 <b>'</b>	8206'	gas
Dakota	8206 <b>'</b>		gas
TD	8332'		

# Logging Program:

Open hole - none

Cased hole - GR/CBL - TD to surface

Cores - none

#### Mud Program:

Interval	Type	<u>Weight</u>	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3825'	LSND	8.4-9.0	30-60	no control
3825- 8332'	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	<u>Wt.</u>	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3825'	7 <b>"</b>	20.0#	J-55
6 1/4"	رائر - 8332 ا	4 1/2"	10.5#	K-55
	75' - 8332'			
Tubing Program:	•			
	0' - 8332'	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/351 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 (1151 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 2980'. First stage: cement with 199 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps flocele, 5 pps gilsonite. Second stage: 304 sx Class "G" w/3% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# flocele/sx (1151 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 2640'. Two turbolating centralizers at the base of the Ojo Alamo at 2640'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

minimum of 18 hrs prior to completing.

4 1/2" Production Casing Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Lead with 460 sx 50/50 Class "G" Poz with 5% gel, 0.25# flocele/sx, 5# gilsonite/sx, 0.1% retardant and 0.25% fluid loss additive (662 cu.ft.), 40% excess to cement 4 1/2" x 7" overlap). WOC a

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 north half of Section 26 is dedicated to the Mesaverde and Dakota in this well.
- This gas is dedicated

Drilling Engineer

11/17/00 Date