UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work	5 Lease Number	
a.	DRILL 2004 AUG (3. Lease Mulliber 3. 20 3. 08. NMNM-111921	
	2,01,1100		
	DE		
		DK 804004054D	
b.	Type of Well 070 FARI	MINGTO 6. If Indian, All. or Tribe	
	GAS	,	
	7734	56	
	Operator	7. Unit Agreement Name	
	BURLINGTON (S)		
	RESOURCES Oil & Gas Company O. A.		
		5000	
	Address & Phone No. of Operator	85 Farm or Lease Name	
	PO Box 4289, Farmington, NM 87499		
	(505) 326-9700		
	77.000	(n) 11 (1)	
	Location of Well	10. Field, Pool. Wildcat	
	2260' FSL, 1095' FWL surface	Basin Fruitland Coal	
	•		
		11, Sec., Twn. Rae. Mer. (NMPM)	
ırf	ace-Latitude 36°54.6265'N, Longitude 107°37		
	om Hole-Lat. 36°54.7937'N, Longitude 107°37	7. Unit Agreement Name 7. Unit Agreement Name 7. Unit Agreement Name 8. Farm or Lease Name Negro Canyon 9. Well Number #1015 10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) 8054.6265'N, Longitude 107°37.9198' W L Sec. 12, T31N, R08W API # 30-045- 3 7 5 0 9 from Nearest Town Blanco, NM Post Office 12. County San Juan NM 13. State San Juan NM 14. Acres Assigned to Well 320 N/2 Diposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary 15. Acres Assigned Tools Rotary 16. If Indian, All. or Tribe 7. Unit Agreement Name Negro Canyon 9. Well Number #1015 10. Field, Pool, Wildcat Basin Fruitland Coal NAMPM API # 30-045- 3 7 5 0 9 12. County 13. State San Juan NM 14. Acres Assigned to Well 320 N/2 15. Acres Assigned to Well 320 N/2 16. If Indian, All. or Tribe	
		API # 30-045- 3 2509	
	•	, , , , , , , , , , , , , , , , , , , ,	
ī	Distance in Miles from Nearest Town	12. County 13. State	
	25 miles to Blanco, NM Post Office		
	Distance from Proposed Location to Nearest Property or	Lease Line	
	1095'		
i.	Acres in Lease	17. Acres Assigned to Well	
		320 N/2	
3.		ompl, or Applied for on this Lease	
	4843'		
9.	Proposed Depth	20. Rotary or Cable Tools	
	3879 '	Rotary	
		<u>-</u>	
1.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start	
	6902' GR	• •	
3.	Proposed Casing and Cementing Program		
	See Operations Plan attached		
	100011	01. 1-1	
		- 816 (0A	
	Authorized by:		
١.	Authorized by: Regulatory/Compliance Special	ist Date	
.	Authorized by: Regulatory/Compliance Special	ist Date	
4.		ist Date	
- 1 <u>1</u>	Regulatory/Compliance Special	ist Date DVAL DATE	
	Regulatory/Compliance Special APPRO	OVAL DATE	
ERM	Regulatory/Compliance Special		
ERM	Regulatory/Compliance Special APPRO	OVAL DATE	
:RM PR	Regulatory/Compliance Special IT NO. APPRO OVED BY TITLE	OVAL DATE	
RM PR	Regulatory/Compliance Special IT NO. OVED BY Eological Report attached	OVAL DATE DATE _9-3-4	
≅RM PPR	Regulatory/Compliance Special IT NO. APPRO OVED BY TITLE	OVAL DATE	

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.

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

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 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

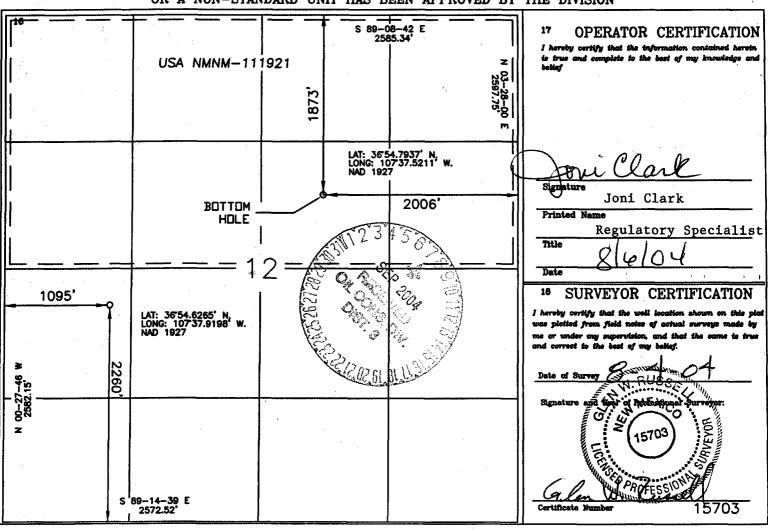
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	Pool Code	Pool Name	
30-045-3Z	507 71629	Basin Fruitland Coal	
⁴ Property Code	⁶ Pro	operty Name	• Well Number
34287	NEGRO	CANYON	1015
OGRID No.	* Op	arator Name	• Elevation
14538	BURLINGTON RESOURCES	OIL AND GAS COMPANY LP	6902'
	10 С	Page Tagetian	

Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 12 31-N 8-W 2260' SOUTH WEST SAN JUAN 1095' ¹¹ Bottom Hole Location If Different From Surface

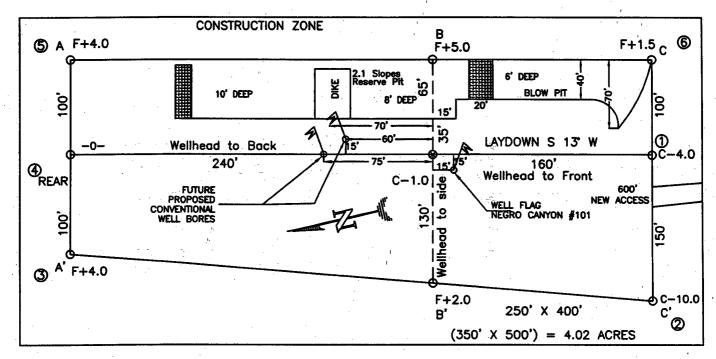
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
G	12	31-N	8-W		1873'	NORTH	2006'	EAST	SAN JUAN
¹² Dedicated Acre	8		33 Joint or	Infill	M Consolidation C	ode	²⁶ Order No.		
N/2	320								
NO ATTOW	ARITE W		SSIGNET	TO THE	S COMPLETIC	N IINTTI ATT	INTERPROPER 1	ITAND DEBAT	CONSOLIDATED

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

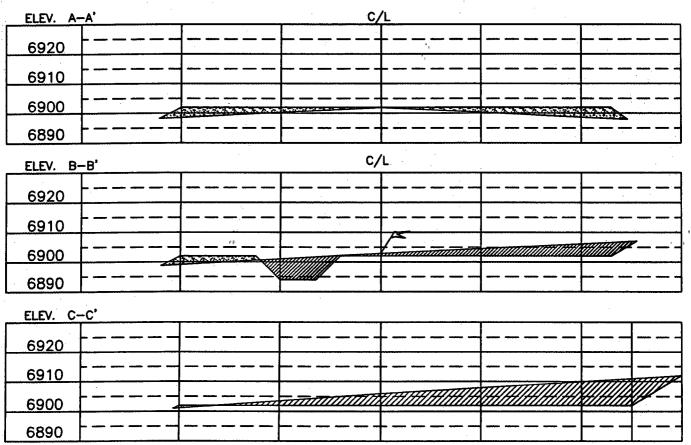


Office <u>District I</u> 1625 N. French Dr., Hobbs, I		blate of frew	Mexico		Form C-103
1625 N. French Dr., Hobbs, I	, Е	nergy, Minerals and I	Natural Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240				WELL API NO.	20.045
<u>District II</u> 1301 W. Grand Ave., Artesia	, NM 88210 O	5. Indicate Type of Le	30-045-		
District III	, 00210	STATE	FEE .		
1000 Rio Brazos Rd., Aztec,	NM 87410	6. State Oil & Gas Lea	se No.		
District IV	T 371 6 00 6 6 6	Santa Fe, NN		,,,,	7
1220 S. St. Francis Dr., Santa		REPORTS ON WELL	<u> </u>	7. Lease Name or Unit	NM-111921 Agreement Name
(DO NOT USE THIS FORM FOR	R PROPOSALS TO DRILL	OR TO DEEPEN OR PLUG	BACK TO A	7. Bouse Haine or Ollin	7 Igroomont Planto
DIFFERENT RESERVOIR. USI PROPOSALS.)	E *APPLICATION FOR PE	RMIT* (FORM C-101) FOR	SUCH	Ne	gro Canyon
1. Type of Well:				8. Well Number	
	Well X Other	<u> </u>			101S
2. Name of Operator				9. OGRID Number	
3. Address of Operator	TON RESOURCES	OIL & GAS COMPAN	Y LP	10. Pool name or Wild	14538
	. 30TH STREET, FA	RMINGTON, NM 874	02		Fruitland Coal
4. Well Location					
Unit Letter 1	. 2260	feet from the So Township 31N	uth line and Range 8W	1095 feet from to NMPM	ne <u>West</u> line County San Juan, NM
Section	***************************************	(Show whether DR, R		MANA IVI	
	IV.				
Pit or Below-grade Tank Applic		- -			
	oth to Groundwater		est fresh water well		nearest surface water >1000'
Pit Liner Thickness:	12 mil	Below-Grade Tank:	Volume	bbls; Construction	
	ORK PLUG		REMEDIA	ice, Report or Othe SUBSEQUENT F L WORK CE DRILLING OPNS. EMENT JOB	
PULL OR ALTER CASING	, LI MOLIII	PLE COMPL	L CASING/C	EMENT JOB	
OTHER:			OTHER:		
12 Denomina aronacco		(011			
				ive pertinent dates, inclu	
of starting any pro				ive pertinent dates, inclue th wellbore diagram of p	
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of starting any pro or recompletion. Burlington Resources p April 26, 2004 on file at	oposed work). SEE R	ULE 1103. For Multip	e Completions: Attac	th wellbore diagram of p	roposed completion gton's general pit plan dated
of starting any pro or recompletion. Burlington Resources p April 26, 2004 on file at	oposed work). SEE R	ULE 1103. For Multip	e Completions: Attac	th wellbore diagram of p	roposed completion gton's general pit plan dated
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of starting any proof or recompletion. Burlington Resources p April 26, 2004 on file at NMOCD office.	roposed work). SEE Ri	new drill pit. The new Burlington Resources	drill pit will be a lined anticipates closing the	th wellbore diagram of p i pit as detailed in Burlin pit according to the gen	gton's general pit plan dated eral pit permit on file at the
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of starting any proof or recompletion. Burlington Resources p April 26, 2004 on file at NMOCD office. I hereby certify that the infegrade tank has been will be cons	roposed work). SEE Ri roposes to construct a the NMOCD office.	new drill pit. The new Burlington Resources and complete to the being to NMOCD guidelines	drill pit will be a lined anticipates closing the st of my knowledge a , a general permit X	th wellbore diagram of p is pit as detailed in Burlin pit according to the gen nd belief. I further certify or an (attached) alternative	gton's general pit plan dated eral pit permit on file at the that any pit or below-cocd-approved plan

BURLINGTON RESOURCES OIL & GAS COMPANY LP NEGRO CANYON #101S, 2260' FSL & 1095' FWL SECTION 12, T-31-N, R-8-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6902', DATE: JUNE 24, 2004



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUNG UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

OPERATIONS PLAN

Well Name: Negro Canyon #101S

Surface - 2260'FSL, 1095' FWL, Section 12, T-31-N, R-8-W Location:

Bottom Hole - 1873' FNL, 2006' FEL, Section 12, T-31-N, R-8-W

San Juan County, New Mexico

Surface -Latitude 36° 54.6265'N, Longitude 107° 37.9198'W

Bottom Hole - Latitude 36° 37. 'N, Longitude 107° 19.

Basin Fruitland Coal Formation:

6902'GL Elevation:

			TVD	
Formation Tops:	TVD	<u>TMD</u>	Bottom	Contents
Surface		San Jose	2639'	
Ojo Alamo	~ 2639 ′	3365 ′	2730'	aquifer
Kirtland	2730 ′	3483 ′	3309'	gas
Fruitland	3309 ′	4111'	3464′	
Intermediate TD	3414'	4216'	the second second	•
T/Coal	3464 ′	4266	3794 ′	
B/Coal	3794	4596'	3795	
Pictured Cliffs	3795 ′	4597 ′		gas
TD	3879'	4681'		_

Logging Program:

Mudlog from 7" csg to 3879' (TVD).

Mud Program:

Interval	Type	Weight	Vis	Fluid Loss
0-200'	Spud Mud	8.4-9.0	40-50	no control
200'-3414'	LSND	8.4-9.0	30-60	less than 12
34141-38791	Air/Mict			

Drilling:

Surface Hole:

Drill to surface casing point of 200' and set 9 5/8" casing.

Intermediate Hole:

Mud drill to kick off point of 250'. At this point the well will be directionally drilled by building 5.0 degrees per 100' with an azimuth of 62 degrees. The end of the build will be at a TVD of 1054', a TMD of 1141', hd of 330' and an angle of 45 degrees. This angle and azimuth will be held to a total depth of 2609' TVD and 3325' TMD. To enter the productive interval vertical, the well will be dropped 5.0 degrees per 100'. The well will be vertical at 7" casing point of 3414' TVD and 4216' TMD.

Production Hole:

Production hole will be drilled vertical from 3414' TVD to 3879' TVD.

Hole Size	ing program Interv		, the equival	Weight	Vis.
	TOP	Bottom (TVD)		,
12 ¼" 8 3/4" 6 1/4"	0' 0' 3374'	200' 3414' 3879'	9 5/8" 7" 5 1/2"	32.3# 23.0# 15.5#	H-40 J-55 J-55
		7082, 7310, 300, WP			

Ca	sing program:	(altern	ate)	•	•	
Hole Siz	<u>e</u> <u>Interval</u>			Size	Weight	<u>Vis.</u>
	TOP	Botto	om (TVD)	•	
12 ¼" 8 3/4"	0' 0'	200 ′ 3414 ′	1916 ₁ 300 ₁ WD	9 5/8" 7"	32.3# 23.0#	H-40 L-80
2 3/8"	bing Program:	3879 ′	MB2,	2 3/8"	4.7#	J-55
Tu	bing Program:	(alte	mate)		** *	
3 1/2"	0 ′	3879 ′		3 1/2"	9.2#	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 @ 2709' (TVD). Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment

 $9 \ 5/8" \times 4 \ 1/2" \times 2 \ 3/8" - 11" (2000 psi)$ wellhead assembly

Cementing:

Conventionally Drilled

Cement with 147 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (188 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. WOC until cement establishes 250 psi compressive strength prior to NU of BOPE.

7" intermediate casing - lead w/383 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 (940 cu.ft., 50% excess to circulate to surface).

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

5 1/2" liner - will not be cemented if run.

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 BOPE to 600 psi for 30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) completion BOP stack (Reference Figure #/) Prior to drilling out intermediate casing, test BOPE and casing to 1500 psi for 30 minutes.

From surface to 7" TD - a choke manifold will be installed in accordance with Onshore Order No. 2 (Reference Figure #3). When the cavitation completion rig drills the production hole, the completion rig configuration will be used (Reference Figure #4). No choke manifolds will be used on cavitation rig operations.

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.

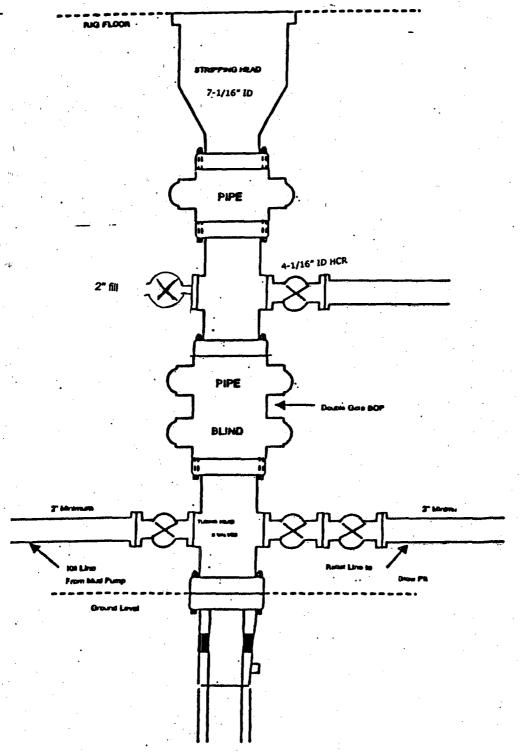
Additional information:

- The Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is less than 1600 psi.
- * This gas is dedicated.
- * The north half of Section 12 is dedicated to the Fruitland Coal.

Drilling Engineer Date 8-6-04

BURLINGTON RESOURCES

Pigure #4
Cavitation Rig BOP Configuration 2,000 psi Minimum System



Completion/Workover Rig BOP Configuration 2,000 pel System

Oriting Rig he Manifold Configuration 2000 pei System

ACTATING HEAD

Belle

2000 pal System Dalling Rig

Point to Total Depth. 2,000pel working pressure Choka mentioid betailetion from Surface Casing

prineral with two chokes. Figure #3

1-20-01

120-01

₹⊗**3**

the BOP. At BOP equipment is 2000 pel working

pipe rams. A stripping head to be installed on the top of

ture or greater excluding 500 pel stripping head.

resure double gate BOP to be equipped with blind and

Operations. 7-1/16" bors, 2000 pel minimum working

tinimum BOP installation for all Com