UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Type of Work DRILL RECEIVED 070 FARMINGT	Unit Reporting Number
1b.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESCURCES 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 Negro Canyon 9. Well Number #103
4.	Location of Well 1445' FNL, 150' FELSec) surface 1875' FSL, 710' FWL Seco bottom hole	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM)
	ace-Latitude 36 ^o 55.7294'N, Longitude 1 om Hole-Lat. 36 ^o 55.4152'N, Longitude 1	107°38.1468' W / Sec. 22, T31N, R08W
14.	Distance in Miles from Nearest Town 30.2 miles to Blanco, NM Post Office	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Prop	perty or Lease Line
	150' Acres in Lease	17. Acres Assigned to Well
16.		302.49 S/2 Sec 1
	Distance from Proposed Location to Nearest Well	
16. 18. 19.	Distance from Proposed Location to Nearest Well 2179' Proposed Depth 3718'	
18.	2179' Proposed Depth	, Drlg, Compl, or Applied for on this Lease 20. Rotary or Cable Tools
18. 19. 21.	2179' Proposed Depth 3718' Elevations (DF, FT, GR, Etc.)	, Drlg, Compl, or Applied for on this Lease 20. Rotary or Cable Tools Rotary
18. 19.	Proposed Casing and Cementing Program	20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start

Threatened and Endangered Species Report attached

Manager on Directional Survey 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 fictifious on fraudulent statements or presentations as to any matter within its jurisdiction.

procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED

NMOCD

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

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	7/75	^a Pool Code	³ Pool Name		
30-045-3	2930	71629	Basin Fruitland Coal		
⁴ Property Code	:	• Well Number			
34287		NEGRO	CANYON	103	
OGRID No.		• Elevation			
14538		BURLINGTON RESOURCES	OIL AND GAS COMPANY LP	6938'	

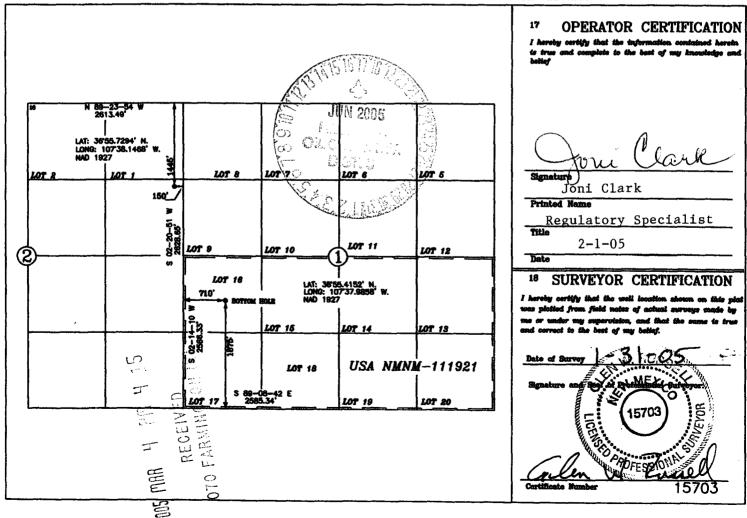
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	2	31-N	8-W		1445'	NORTH	150'	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 1	Township 31—N	Range 8-W	Lot Idn	Feet from the 1875'	North/South line SOUTH	Feet from the 710'	East/West line WEST	County SAN JUAN
18 Dedicated Acre	8		13 Joint or	infill	¹⁴ Consolidation C	ode	¹⁵ Order No.	<u> </u>	*************************************
S/2	302.49	acres						*	

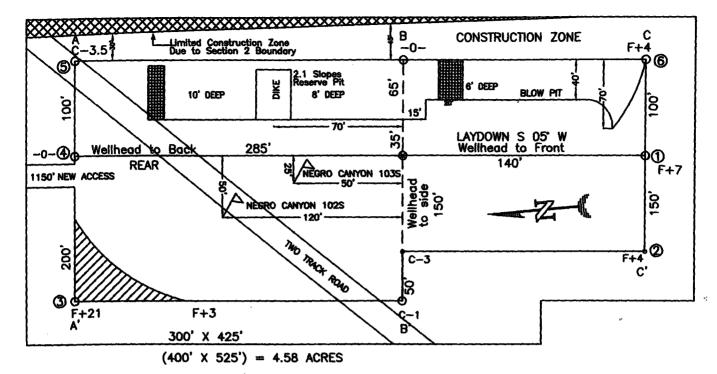
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



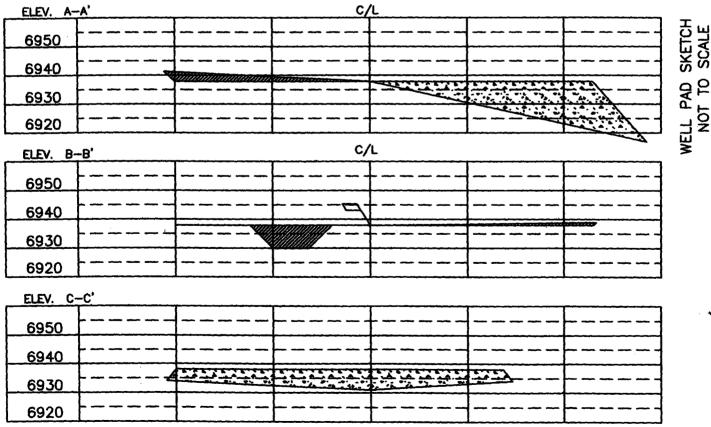
Office · District I	ct.	State of Nev	v Mexico		Form C-103
	Ener	gy, Minerals and l	Natural Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 8824				WELL API NO.	
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 882	210 OIL	CONSERVAT	ION DIVISION	5. Indicate Type of Lease	-045-
District III		1220 South St.		STATE STATE	FEE 🗍
1000 Rio Brazos Rd., Aztec, NM 8741	0	Santa Fe, NN		6. State Oil & Gas Lease N	
District IV					
1220 S. St. Francis Dr., Santa Fe, NM		PORTS ON WELL	8	NMNM- 7. Lease Name or Unit Agre	
(DO NOT USE THIS FORM FOR PROPOS				7. Lease Ivaline of Offit Agre	Cincili Ivanic
DIFFERENT RESERVOIR. USE "APPLIC	ATION FOR PERMI	T" (FORM C-101) FOR	SUCH	Negro C	Canyon
PROPOSALS.) 1. Type of Well:				8. Well Number	
	X Other			#10	03
2. Name of Operator	ESOLIDOES OIL	& GAS COMBAN	IVID	9. OGRID Number	20
BURLINGTON R 3. Address of Operator	ESOURCES OIL	, & GAS COMPAN	I LP	10. Pool name or Wildcat	38
3401 E. 30TH S	STREET, FARM	INGTON, NM 874	02	Basin Fruit	land Coal
4. Well Location	1445 fee	4 Gram tha Ni		150	Trank line
Unit Letter H Section 2		t from the No ownship 31N	orth line and Range 8W	150 feet from the NMPM Cou	<u>East</u> line nty San Juan, NM
Company of the compan		now whether DR, R			
Pit or Below-grade Tank Application	X or Closure	TT -			
Pit type New Drill Depth to Grou		U Distance from nea	wast frach water well	>1000' Distance from near	est surface water >1000'
Pit Liner Thickness:	mil	Below-Grade Tank:	Volume	bbls; Construction Mater	
	-		ate Nature of Not	tice, Report or Other D	
•				SUBSEQUENT REP	
PERFORM REMEDIAL WORK	CHANGE I	D ABANDON	REMEDIA		ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	MULTIPLE		—	CE DRILLING OPNS.	P AND A
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	New Drill	(Clearly state all n	OTHER:	ive pertinent dates including	estimated date
13. Describe proposed or com	pleted operations.		ertinent details, and g		
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13. Describe proposed or com of starting any proposed w or recompletion. Burlington Resources proposes Ecosphere's risk ranking criteria	pleted operations. rork). SEE RULI to construct a new t, the new drilling	E 1103. For Multip w drilling pit and an pit and vent/flare p	ertinent details, and gi le Completions: Attac associated vent/flare p it will be an unlined p	ch wellbore diagram of propos pit. Based on Burlington's int it as detailed in Burlington's R	terpretation of the
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BURLINGTON RESOURCES OIL & GAS COMPANY LP NEGRO CANYON #103, 1445, FNL & 150' FEL SECTION 2, T-31-N, R-8-W, NMPM, SAN JUAN COUNTY, NM **DATE: JANUARY 24, 2005**

GROUND ELEVATION: 6938'.



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 #103

Location: Surface - 1445' FSL, 150' FEL, Section 2, T-31-N, R-8-W

Bottom Hole - 1875' FSL, 710' FWL, Section 1, T-31-N, R-8-W

San Juan County, New Mexico

Surface - Latitude 36° 56.7294'N, Longitude 107° 38.1468'W

Bottom Hole - Latitude 36° 55.4152'N, Longitude 107° 37.9858'W

Formation: Basin Fruitland Coal

Elevation: 6938'GL

			TVD	
Formation Tops:	TVD	<u>TMD</u>	Bottom	Contents
Surface		San Jose	2657 ′	
Ojo Alamo	2657 ′	3206 ′	2747'	aquifer
Kirtland	2747 ′	3321 ′	3322 '	gas
Fruitland	3322 ′	3982 '	3522 ′	•
Intermediate TD	3482'	4178'		
T/Coal	3522 ′	4182'	3832 ′	
B/Coal	3832 '	4492'	3833 ′	
Pictured Cliffs	3833 ′	4493'		gas
TD	3869′	4577 <i>'</i>		-

Burlington Resources requests a sump on this well

Logging Program:

Mudlog from 7" csg to 3729' (TVD).

Mud Program:

Interval	Type Spud Mud air air-wird 8	<i>l</i> eight	<u>Vi</u> s	Fluid Loss
0-200 '	Spud Mudlaur aur-wust 8	3.4-9.0	40-50	no control
200'- 3482'		3.4-9.0		less than 12
3482'- 3869'	Air/Mist			

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 157.64 degrees. The end of the build will be at a TVD of 1001', a TMD of 1069', and an angle of 40.94 degrees. This angle and azimuth will be held to a total depth of 3359' TVD and 2731' 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 3482' TVD and 4178' TMD.

.....

Production Hole:

Production hole will be drilled vertical from 3482' TVD to 3869' TVD.

Materials:

Casing program: (as listed, the equivalent, or better)							
Hole Si	ze Inter	val	Size	Weight	Grade		
	TOP	Bottom (TVD)				
12 ¼"	0'	200 ′	9 5/8"	32.3#	H-40		
8 3/4"	0 ′	3482'	7"	20#/23.0#	J-55/L-80		
6 1/4"	3382'	3869 ′	5 1/2"	15.5#	J-55		

<u>Casi</u>	ng program:	(alternate)			
Hole Size	Interval		Size	Weight	Grade
	TOP	Bottom (TVI)		
12 ¼"	0 ′	200 ′	9 5/8″	32.3#	H - 40
8 3/4"	0 ′	3482 '	7"	20#/23.0#	J-55/L-80
<u>Tubi</u>	ng Program:				
6 ¼"" 0'		3869 ′	2 3/8"	4.7#	J-55
<u>Tubi</u>	ng Program:	(alternate)			
6 ¼"" 0'	,	3869'	2 7/8"	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 @ 2747' (TVD). Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment

 $9 \ 5/8" \ x \ 7" \ x \ 2 \ 3/8" - 11" (2000 psi)$ wellhead assembly

Cementing:

9 5/8" surface casing -

Pre-Set Drilled Cement with 39 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (63 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled

Cement with 147 sxs 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 (942 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 #21) Prior to drilling out intermediate casing, test BOPE and casing to 1500 psi for 30 minutes.

Operations Plan - Negro Canyon 103

Page Three

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).

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.

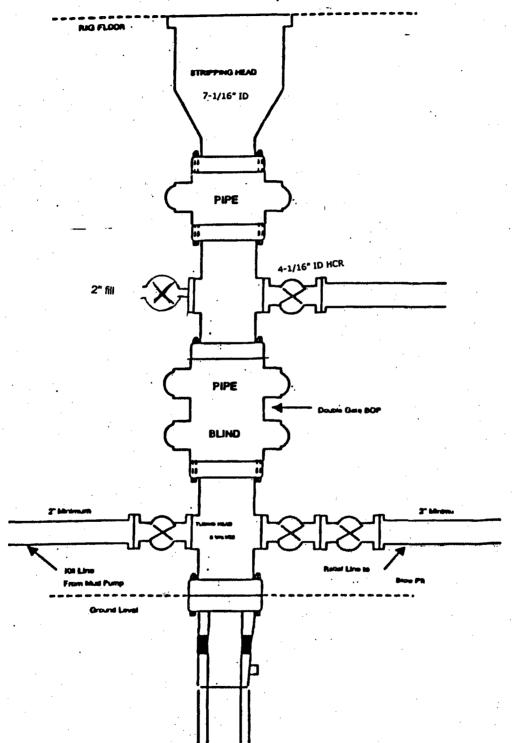
Additional information:

- * The Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is less than 1600 psi.
- * This gas is dedicated.
- * The south half of Section 1 is dedicated to the Fruitland Coal.

illing Engineer

Date

BURLINGTON
RESCURCES
Figure #4
Cavitation Rig
BOP Configuration
2,000 psi Minimum System



Burlington Resources

2000 psi System **Drilling Rig**

Completion/Workover Rig BOP Configuration 2,000 pai System

ipe rams. A stripping head to be installed on the top of sesure double gate BOP to be equipped with blind and erations. 7-1/16" bore, 2000 pel minimum worting rn BOP installation for all Completion/Workover

Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure

ment with two chokes.

Figure #3

the BOP. All BOP equipment is 2000 pai working ire or greater excluding 500 pel stripping head.

Figure #2

4-20-01

Figure 21

4-20-01