UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Type of Work (003 1100 C)	5. Lease Number
	DRILL RECEIVED	NMSF-079051
	Type of Well 070 FARMINOTON NA	6. If Indian, All. or Tribe DEC 2
	GAS	7. Unit Agreement Name
	Operator BURLINGTON /4538	7. Unit Agreement Name DIST.
	RESOURCES Oil & Gas Company	San Juan 28-6 Unit 7462
	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	O MALKARIAN Lan
	(505) 326-9700	9. Well Number #133E
	Location of Well	10. Field, Pool, Wildcat
	Unit D (NWNW), 660' FNL, 660' FWL	Blanco Mesaverde/Basin Dak
	36 5074/N	11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 36.5074'N Longitude 107° 28.6739'W	0 Sec. 4, T27N, R06W
	Longitude 10/- 20.8/39 W	API# 30-039- 29634
	Distance in Miles from Nearest Town	12. County 13. State
	31.6 miles from Post Office in Blanc	
•	Distance from Proposed Location to Nearest Propo	
	Acres in Lease	47 Acros Assigned to Wall
•	Acres III Lease	17. Acres Assigned to Well
	Acres III Lease	321 W2 MV 322.08 N2 DK
	Distance from Proposed Location to Nearest Well,	321 W2 MV 322.08 N2 DK
	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33	Pring, Compi, or Applied for the state of Re
	Distance from Proposed Location to Nearest Well,	20. Rotary or Cable Tools.
•	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938'	20. Rotary or Cable Tools.
	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938'	20. Rotary or Cable Tools.
	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938' Elevations (DF, FT, GR, Etc.)	20. Rotary or Cable Tools.
	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938'	20. Rotary or Cable Tools.
	Distance from Proposed Location to Nearest Well, 1971'- San Juan 28-6 Unit #33 Proposed Depth 7938' Elevations (DF, FT, GR, Etc.) -6464' GL -67/6 Proposed Casing and Cementing Program See Operations Plan attached	20. Rotary or Cable Tools. Rotary 22. Approx. Date Work will Start
	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938' Elevations (DF, FT, GR, Etc.) -6464' GL 67/6 Proposed Casing and Cementing Program	20. Rotary or Cable Tools. Rotary 22. Approx. Date Work will Start
	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938' Elevations (DF, FT, GR, Etc.) 6464' GL 67/6 Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory Compliance As	20. Rotary or Cable Tools. Rotary 22. Approx. Date Work will Start Sesistant II Date
i.	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938' Elevations (DF, FT, GR, Etc.) 6464' GL 67/6 Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory Compliance As	20. Rotary or Cable Tools. Rotary 22. Approx. Date Work will Start
	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938' Elevations (DF, FT, GR, Etc.) 6464' GL 67/6 Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory Compliance As	20. Rotary or Cable Tools. Rotary 22. Approx. Date Work will Start Sesistant II Date
·	Distance from Proposed Location to Nearest Well, 1971' - San Juan 28-6 Unit #33 Proposed Depth 7938' Elevations (DF, FT, GR, Etc.) 6464' GL 67/6 Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory Compliance As	20. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start Sistant II Date APPROVAL DATE

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

This his action show this 196 hair and 1965.3 probeografied and our sugar to 196 hair and 1965.3 probeografied and 1965.3

NMOCD

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., Astec, 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

V South Penneto, center Fe, Ma Cross	TELL LOCATION	AND	ACREAGE DEDICATION PLAT	
*AFI Number 30-039- 29634	*Pool Code 72319/71599	/	RECEIVED *Pool Name Blanco Mesaverde/ Basin Dakota	~
*Property Code 7462	SAN		perty Name	* Well Number 133E ~

OGRID No. Operator Name * Elevation BURLINGTON RESOURCES OIL AND GAS COMPANY LP 6716' 14538 ¹⁰ Surface Location UL or lot no. Feet from the Section Township Lot Idn North/South line Feet from the East/West line County D 27-N 6-W 660' NORTH RIO ARRIBA 4 660' WEST

¹¹ Bottom Hole Location If Different From Surface UL or lot no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County ¹⁴ Consolidation Code ¹⁵Order No. ¹² Dedicated Acres ¹⁸ Joint or Infill 321 W2 MV 322.08 N2 DK

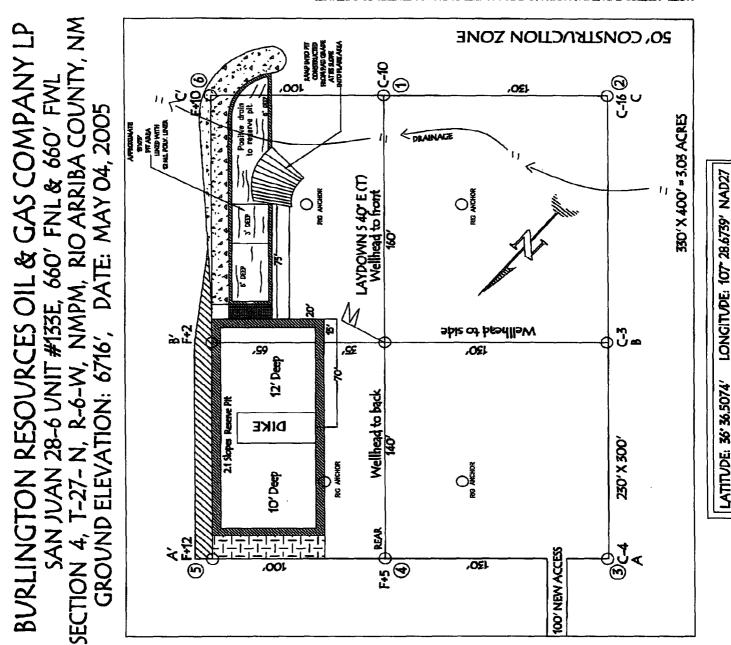
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

107 4 TOT 4	98	64 ^{(-03" B} S 50.87 S	107 2	 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein to true and complete to the best of my knowledge and belts?
6'-38' ¥		LAT: 36'36.5074' N. LONG: 107'28.6739' W. NAD 1927		
8 C - 36		NM SF	 -079051 	Signature Amanda Sandoval Printed Name 6-8-05 Title
4,1111111	NM SF-	 -079049-B		18 SURVEYOR CERTIFICATION I hereby sertify that the well location shows on this plat was plotted from field notes of actual curveys made by ma or under my supervision, and that the same is true and correct to the best of my beliaf.
				Signature and Ser of Parish Serveror. Signature and Serveror. O 2 15703 Certificate Humber 15703

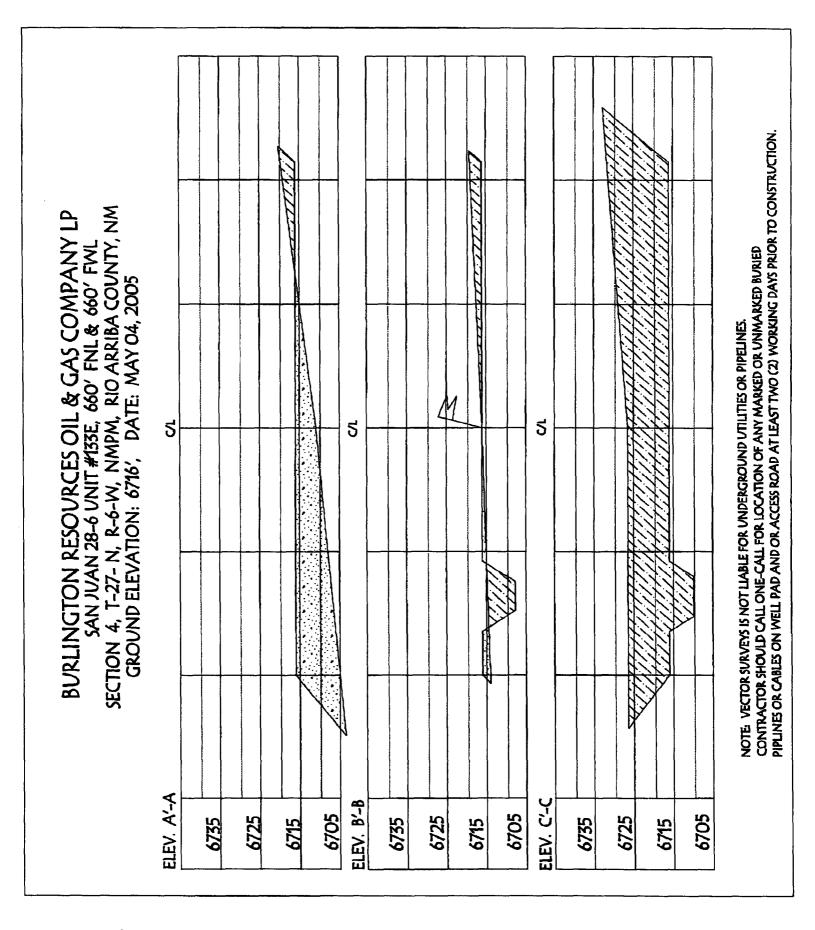
Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Resour	ces May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II		WELL API NO. 30-039- 29634
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No. NMSF-079051
1220 S. St. Francis Dr., Santa Fe, NM 875	05	INMSE-079031
	CES AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATI PROPOSALS.)	ON FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 28-6 Unit
1. Type of Well: Oil Well Gas Well X	Other	8. Well Number
2. Name of Operator	Onle	9. OGRID Number
BURLINGTON RESC	OURCES OIL & GAS COMPANY LP	14538
3. Address of Operator	REET, FARMINGTON, NM 87402	10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota
4. Well Location		Dianco Mesaverue Dashi Dakota
Unit Letter D	660 feet from the North line and Township 27N Range	
Section 4	Township 27N Range Elevation (Show whether DR, RKB, RT, GR, etc.)	6W NMPM County San Juan
	6716' GR	Complete Company Description
	X or Closure	<u>,</u>
Pit type New Drill Depth to Grounds		
Pit Liner Thickness: na	mil Below-Grade Tank: Volume	bbls; Construction Material
	Appropriate Box to Indicate Nature of	· · · · · · · · · · · · · · · · · · ·
_	NTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	ш ,	EDIAL WORK MENCE DRILLING OPNS. P AND A
PULL OR ALTER CASING	1	ING/CEMENT JOB
OTHER: New I	Drill Pit X OTH	ER:
	ted operations. (Clearly state all pertinent details,	
of starting any proposed work or recompletion.). SEE RULE 1103. For Multiple Completions:	Attach wellbore diagram of proposed completion
or recompletion.		
Burlington Resources proposes to c	onstruct a new drilling pit and an associated vent/	flare pit. Based on Burlington's interpretation of the
		ned pit as detailed in Burlington's Revised Drilling / Workover
		OCD office. A portion of the vent/flare pit will be designed to
		ngton Resources anticipates closing these pits according to the
Drilling / Workover Pit Closure Pro	cedure dated August 2, 2004 on file that the NM6	OCD office.
grade tank has been/will be constructed or clo	ove is true and complete to the best of my knowled sed according to NMOCD guidelines, a general perm	
	$<$ $^{\prime}$ $^{\prime}$	
SIGNATURE Aumanda	Dandous TITLE	Regulatory Specialist DATE 6/13/2005
	la Sandoval E-mail address: asand	doval@br-inc.com Telephone No. 505-326-9700
For State Use Only		1
A	\leftarrow	== 0 0 K 201
APPPROVED BY	THE UTY OR 8	GAS INSPECTED, DIST. DIE DEC 0 5 201

PIPITIMES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

PORTINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



RESERVE BUT DIKE: TO BE 8'ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).



OPERATIONS PLAN

Well Name:

SAN JUAN 28-6 UNIT 133E

Location:

660' FNL & 660' FWL, Section Sec 04 T27N R06W

Rio Arriba County, New Mexico

Formation:

Blanco Mesaverde/Basin Dakota

Elevation:

6716' GL

Surface San Jose 2685' Ojo Alamo 2685' 2833' ac Kirtland 2833' 3275' Fruitland Coal 3275' 3451' Pictured Cliffs 3451' 3568' Lewis 3568' 4008'	quifer gas gas gas
Kirtland 2833' 3275' Fruitland Coal 3275' 3451' Pictured Cliffs 3451' 3568'	gas gas gas
Fruitland Coal 3275' 3451' Pictured Cliffs 3451' 3568'	gas gas
Pictured Cliffs 3451' 3568'	gas
	-
Lewis 3568' 4008'	ass
	ass
Huerfanito Bentonite 4008'	ass
Chacra 4395' 5083'	yas
Massive Cliff House 5083' 5215'	gas
Menefee 5215' 5628'	gas
Massive Point Lookout 5628' 6103'	gas
Mancos Shale 6103' 6831'	
Upper Gallup 6831' 7586'	gas
Greenhorn 7586' 7651'	gas
Graneros 7651' 7685'	gas
Two Wells 7685' 7793'	gas
Upper Cubero 7793' 7829'	gas
Lower Cubero 7829' 7933'	gas
Oak Canyon 7933' 7938'	gas
Encinal 7938' 7938'	gas
Total Depth: 7938'	gas

Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CCL, CBL - surface to TD

Mud Program:

<u>Interval</u>	<u>Type</u>	Weight	<u>Vis.</u>	Fluid Loss
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120 - 3668'	LSND	8.4 - 9.0	30 - 60	no control
3668 - 7938 ′	Air/Air Mist/Nitrogen	n/a	n/a	n/a

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

<u> Hole Size</u>	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H - 40
8 3/4"	0' - 3668'	7"	20/23#	J-55
6 1/4"	0' - 7938'	4 1/2"	10.5#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 7938'	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.

<u> Wellhead -</u>

9 5/8" x 7" x 4 ½" x 2 3/8" x 2000 psi tree assembly.

<u>General -</u>

- 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 -

Pre-Set Drilled - Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (38 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 88 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (113 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. Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. 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 with 327 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. (697cuft-50% excess to circulate to surface). Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (124 cu ft 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage -

Stage collar set 300' above the top of the Fruitland. First stage: Lead w/15 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 312 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (665 cu ft - 50% 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 @ 2833'. Two turbolating centralizers at the base of the Ojo Alamo @ 2833'. 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 -

Pump 286 sxs Premium Lite HS FM w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss, 6% gel, 7 pps CSE (581 cu.ft., 30% excess to achieve 100' overlap in $4-1/2" \times 7"$ annulus). WOC a minimum of 18 hrs prior to completing.

Cementing: Continued

Cement float collar stacked on top of float shoe.

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

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

• 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 (Air/Mist Drilling):

The following equipment will be operational while air/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.
- 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 Mesa Verde and Dakota 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 2000 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The west half of Section 4 is dedicated to the Mesa Verde formation and the north half of Section 4 is dedicated to Dakota formation.
- This gas is dedicated.



Completion/Workover Rig BOP Configuration 2,000 pel System

Burlington Resources

Orilling Rig

2000 psi System

Figure #1

4-20-01

Š

7

equipment with two chokes. Point to Total Depth. 2,000psi working pressure Choke menticid installation from Surface Casing

Figure #3

Minimum BOP installation for all Complation/Workover

Operations. 7-1/16" bors, 2000 pel minimum working he BOP. At BOP equipment to 2000 psi working persms. A stripping head to be installed on the top of sesure double gate BOP to be equipped with blind and ture or greater excluding 500 pel stripping head Figure #2

4-20-01