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

1a.	Type of Work	5. Lease Number 2013 ANG 13 PM
	DRILL	NMSF077652
		Unit Reporting Number_
		_070 Farmington
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS	OCT the A
		The state of the s
2.	Operator	7. Unit Agreement Name
	<u>Burlington</u>	Comment of the second of the s
	RESOURCES Oil & Gas Con	mpany Year Ask Asia
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington,	
	(505) 306 0500	9. Well Number
	(505) 326-9700	10N
4.	Location of Well	10. Field, Pool, Wildcat
7.	685'FSL, 570'FWL	Blanco Mesaverde/
	Job Long Gro Lina	Basin Dakota
		11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 51.8900'N, Lo	ongitude 108° 04.4629'W M Sec.26, T-31-N, R-12-V
	,	API# 30-045- >
		<i>⊃1845</i>
14.	Distance in Miles from Nearest Tow	n 12. County 13. State
	6 miles to Aztec	San Juan NM
15.	Distance from Proposed Location to	o Nearest Property or Lease Line
40	570'	4 A A
16.	Acres in Lease	17. Acres Assigned to Well
		320 W2
18.	Distance from Proposed Location to	o Nearest Well, Drlg, Compl, or Applied for on this Lease
	1179'	Tribulation trong English and Applied for on the Ecose
19.	Proposed Depth	20. Rotary or Cable Tools
	7125'	Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6028' GR	• •
23.	Proposed Casing and Cementing Pr	
	See Operations Plan atta	ached
	Sound	8-8-03
24.	Authorized by:	<u> </u>
	Regulatory/Con	mpliance Supervisor Date
PERM	IIT NO.	APPROVAL DATE
	/e/ David J. Mankiewi	OCT 1 6 200
APPR	OVED BY	_ TITLE DATE

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 1 P.O. Box 1980, Hobbs, N.M. 88241-1980 State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

DISTRICT II P.O. Drawer DD, Artesia, N.M. 88211-0719

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

instructions on back ibmit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV

PO Box 2088, Santa Fe, NM 87504—2088

☐ AMENDED REPORT

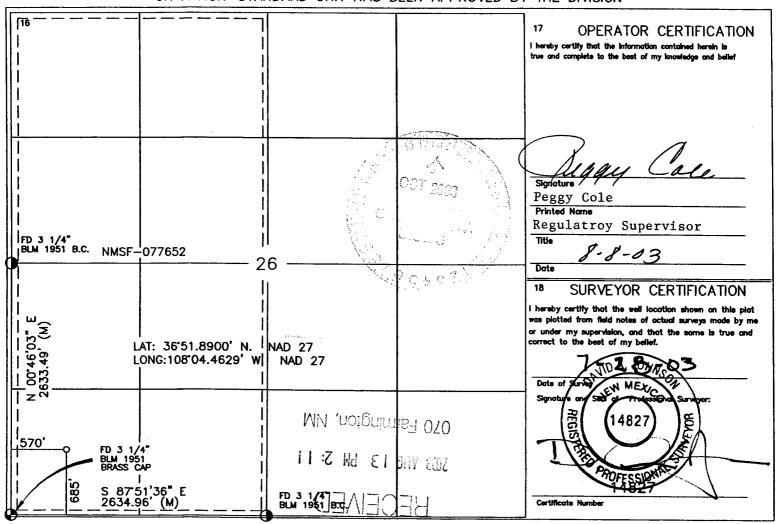
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-045- 3/8 72319/71599 Blanco *Property Code 18517 Property Name EAST		³ Pool Name Blanco Mesaverde/Basin Dakota		
		•	* Well Number 10 N	
⁷ OGRID No.	[®] Ope	erator Name	⁹ Elevation	
14538	BURLINGTON RESOURCES	S OIL & GAS COMPANY LP	6028	
				

¹⁰ Surface Location

UL or lot no. M	Section 26	Township 31-N	Range 12-W	Lot Idn	Feet from the 685	North/South line SOUTH	Feet from the 570	East/West line WEST	County SAN JUAN
			" Bott	om Hole	Location	lf Different Fr	om Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres		13)	oint or Infill	<u> </u>	¹⁴ Consolidation Co	ode	¹⁸ Order No.	<u> </u>	
W/320									

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



OPERATIONS PLAN

Well Name: East #10N

685'FSL, 570'FWL, Sec 26, T-31-N, R-12-W Location:

San Juan County, NM

Latitude 36° 51.8900'N, Longitude 108° 04.4629'W

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 6028'GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	745'	
Ojo Alamo	745'	795 '	aquifer
Kirtland	795 '	2105 ′	gas
Fruitland	2105'	2425'	gas
Pictured Cliffs	2425'	2550'	gas
Lewis	2550'	3180'	gas
Huerfanito Bentonite	3180 ′	3525 ′	gas
Chacra	3525 ′	4015'	gas
Massive Cliff House	4015'	4240'	gas
Menefee	4240'	4780 ′	gas
Intermediate TD	4390'		
Massive Point Lookout	4780'	5155'	gas
Mancos	5155 ′	6060 ′	_
Gallup	6060′	6805 ′	gas
Greenhorn	6805'	6865'	
Graneros	6865'	6925'	
Two Wells	6925′	6990 '	gas
Paguate	6990'	7050 ′	gas
Cubero	7050 ′	7125 '	gas
TD	7125'		

Logging Program:

Cased hole - CBL/CCL/GR - TD to surface Open hole - none

Mud Log - none Cores - none

Mud Program:

Inte	rval	Type	Weight	Vis.	Fluid Loss
0 -	120'	Spud	8.4-9.0	40-50	no control
120-	4390'	LSND	8.4-9.0	30-60	no control
4390-	7125'	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):

<u> Hole Size</u>	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4390'	7"	20#	J55
6 1/4"	0' - 7125'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7125' 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, BOPE 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, BOPE 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 4 $\frac{1}{2}$ " x 2 3/8" x 2000 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 32 sxs Class A, B Portland Type I, II cement (38 cu.ft. of slurry, bring cement to surface through 3/4" line) or equivalent. WOC 24 hours for pre-set holes or 8 hours for conventionally set holes before pressure testing or drilling out from under surface casing.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/406 sx Premium Lite with 3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail with 90 sx Type III cmt w/1% calcium chloride, 0.25 pps celloflake, 0.2% fluid loss (990 cu.ft. of slurry, 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 temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 1805'. First stage: Pump 215 sxs Premium Lite with 3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sx Type III cmt w/1% calcium chloride, 0.25 pps celloflake, 0.2% fluid loss. Second stage: w/191 sx Premium Lite with 3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (990 cu.ft. of slurry, 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 third joint off bottom, to the base of the Ojo Alamo at 795'. Two turbolating centralizers at the base of the Ojo Alamo at 795'. 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 191 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 (378 cu.ft., 30% excess to cmt 7" & 4 ½" 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 float shoe.

• 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 1000 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The west half of Section 26 is dedicated to the Mesa Verde and Dakota in this well.
- This gas is dedicated.

Jean Corrego

Drilling Enginger

August 12, 2003