

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 8 1 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	5. Lease Number NM SF- 079049-B Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name San Juan 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #167P
4. Location of Well Surf: Unit P (SESE), 370' FSL & 1145' FEL Surf: Latitude 36.596895 N Longitude 107.466979 W		10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 4, T27N, R6W API # 30-039- 30601
14. Distance in Miles from Nearest Town 38.1 miles/Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1145'		
16. Acres in Lease 1280.00	17. Acres Assigned to Well DK (S/2) 320.00 MV (E/2) 320.00 321.08	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 858' from San Juan 28-6 Unit #167 MV		
19. Proposed Depth 7380'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6229' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12-1-08</u> Date	

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

PERMIT NO.

APPROVAL DATE

APPROVED BY DJ McKeen

TITLE AFM

DATE 12/8/08

Archaeological Report attached

Threatened and Endangered Species Report attached

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.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

NMOCD

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

IN P.A. NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DEC 17 2008

AV

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

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
DEC 01 2008 State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office ☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30601		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
⁴ Property Code 7462		⁵ Property Name SAN JUAN 28-6 UNIT			⁶ Well Number 167P
⁷ GRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6229'

¹⁰ Surface Location

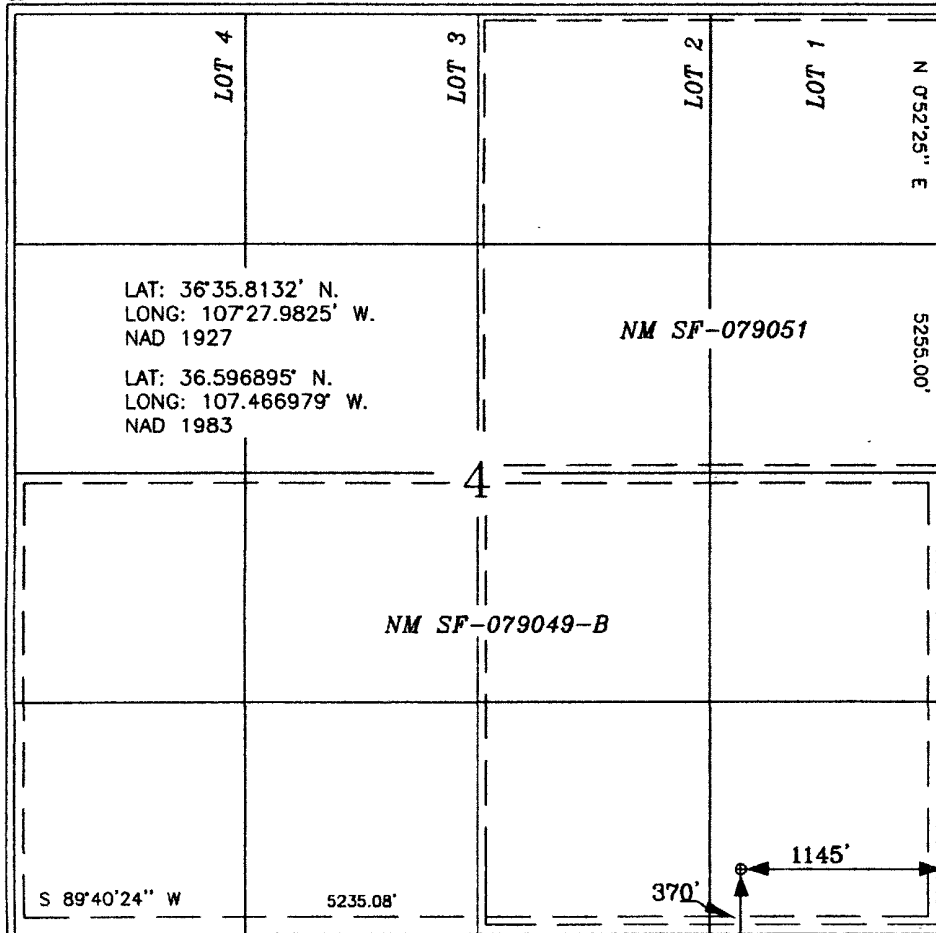
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	27-N	6-W		370'	SOUTH	1145'	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P									
¹² Dedicated Acres DK 320.0 ACRES S/2 MV 321.08 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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

16



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 5/29/08
Signature
Crystal Tafoya 5-29-08
Printed Name

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat 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.

5-21-08
Date of Survey
Signature and Seal of Professional Surveyor:

Certificate Number 15703

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PD08.06

WELL NAME

SAN JUAN 28 - 6 # 167 P

DATE

4/21/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES**SEC**

P 4

TNSHP

27 N

RANGE

6 W

LATITUDE

36 35.8132 N

LONGITUDE

107 27.9825 W

COUNTY

RIO ARRIBA

RECTIFIER

30/12

X

SOLARGROUND BED

X

240 V METER POLE

X

480 V METER POLED C CABLES

8

200'

A C CABLES

8

300'

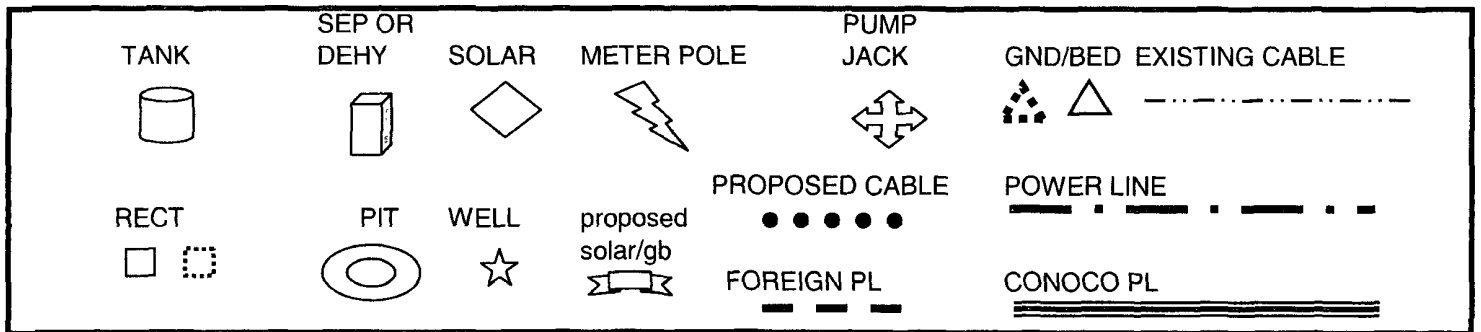
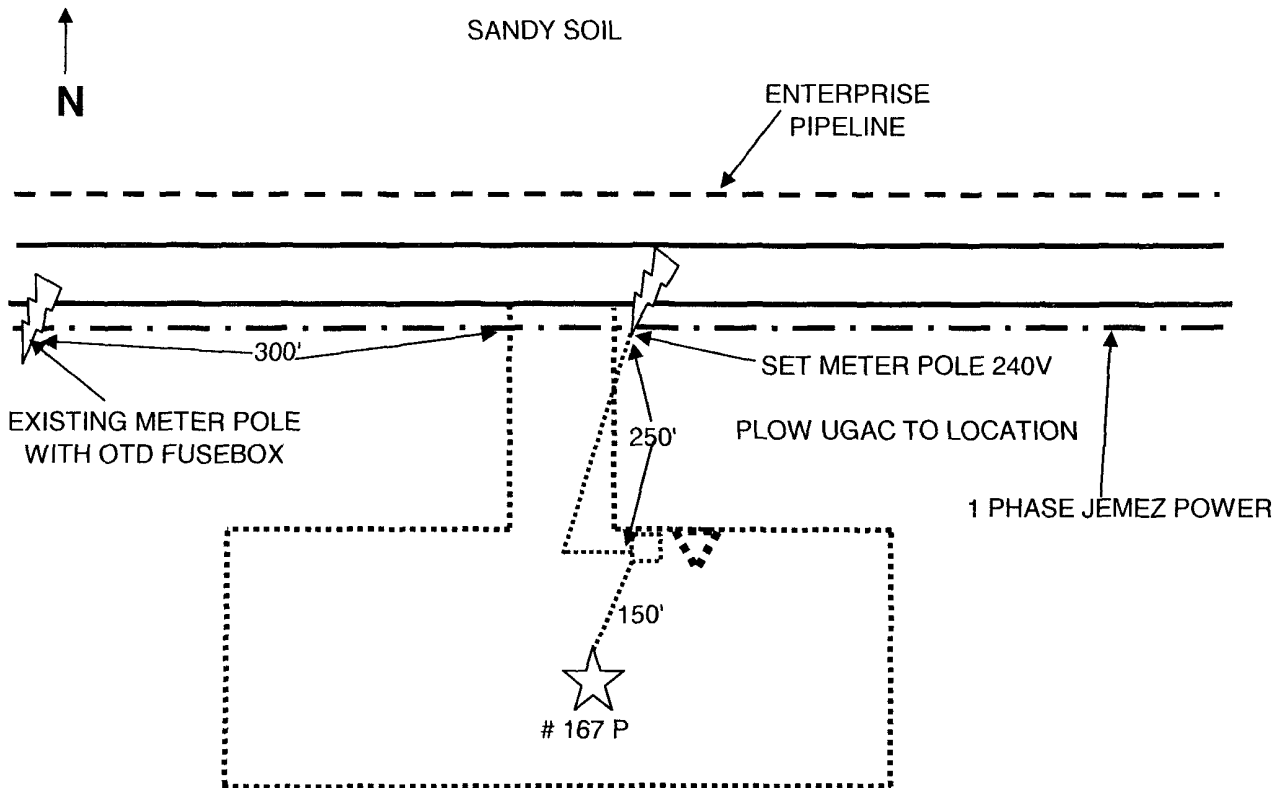
PRIMARY POWERDISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
	X			
# 8	200'			
# 8	300'			
			JEMEZ	
			250'	

COMMENTS

OPTIONS either set new meter pole and wait for power or install load center on existing meter pole and plow an extra 800 ft of ugac for a total of 1150 ft to loc.- install rectifier system - 1 PH Jemez power line 250 ft from loc.

WELL NAME	SAN JUAN 28 - 6 # 167 P
------------------	--------------------------------



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 167P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8006				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location:							
Datum Code: NAD 27							
Latitude: 36.596886		Longitude: -107.466375		X:	Y:	Section: 04	Range: 006W
Footage X: 1145 FEL		Footage Y: 370 FSL		Elevation: 6229 (FT)		Township: 027N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6241 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6041	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
OJO ALAMO	2290	3951	☐				
KIRTLAND	2348	3893	☐				
FRUITLAND	2550	3691	☐			Possible Gas	
PICTURED CLIFFS	2943	3298	☐				
LEWIS	3089	3152	☐				
Intermediate Casing	3189	3052	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 718 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3498	2743	☐				
CHACRA	3891	2350	☐				
MASSIVE CLIFF HOUSE	4578	1663	☐	732		Gas	
MENEFEE	4711	1530	☐				
POINT LOOKOUT	5148	1093	☐				
MANCOS	5608	633	☐				
UPPER GALLUP	6319	-78	☐				
GREENHORN	7046	-805	☐				
GRANEROS	7110	-869	☐				
TWO WELLS	7138	-897	☐	2750		Gas	
UPPER CUBERO	7255	-1014	☐				
LOWER CUBERO	7290	-1049	☐				
Total Depth	7380	-1139	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 571 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
ENCINAL	7380	-1139	☐				
Reference Wells:							
Reference Type	Well Name		Comments				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 167P

DEVELOPMENT

Logging Program:

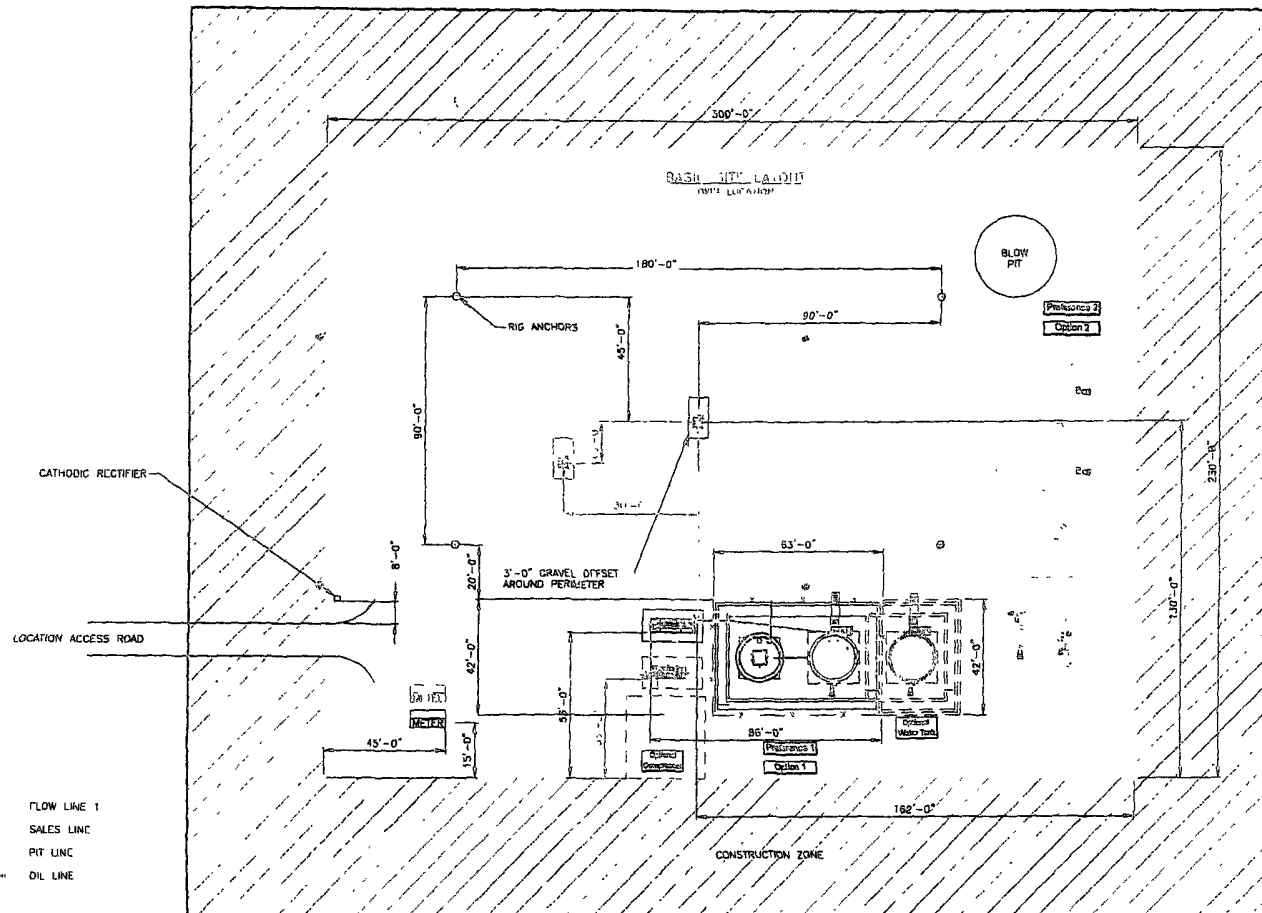
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL. TD top of ENCN. Bott perf 20' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------



SEE SHEET 5 & 6 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

CONOCO PHILLIPS										CONOCO PHILLIPS		HIGH PRESSURE 3 PHASE		FACILITY DIAGRAM- SITE LAYOUT	
										SAN JUAN BUSINESS UNIT		CLIENT NO.		CLIENT NAME	
												PROJECT NO.		PROJECT NAME	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	
												DATE		DATE	

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT 167P
370' FSL & 1145' FEL,
Section 4, T27N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 35' 48.82" N
Longitude: 107° 28' 01.13" W
Nad 83

From the Post Office in Blanco, NM
Take Highway 64 East for 27.6 miles,
turn right (southerly) for 1.1 miles,
stay right @ y-intersection (southwesterly) for 4.5 miles,
to Munoz Canyon, turn right (southwesterly) 4.3 miles,
through Munoz Canyon, turn right (northwesterly) 0.6 miles,
to beginning of new access on left side of road,
continue 204.56' to the newly staked location.