

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 01 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

BLM Field Office
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number USA SF - 079049-B Unit Reporting Number NMNM-78412A-MV NMNM-78412C-DIC	
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	
4. Location of Well Surf: Unit N (SESW), 1160' FSL & 2440' FWL Surf: Latitude 36.599046 N Longitude 107.472565 W	9. Well Number #167N RCVD DEC 10 '08 OIL CONS. DIV. 10. Field, Pool, Wildcat Basin DK/Blanco MVST. 3 11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 4, T27N, R6W API # 30-039- 30663	
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 2440'	17. Acres Assigned to Well DK (S/2) 320.00 MV (W/2) 320.00	
16. Acres in Lease 1280.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1000' from San Juan 28-6 Unit #167 MV	22. Approx. Date Work will Start 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	
19. Proposed Depth 7370'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6223' GR	24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	

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

TITLE

DATE

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

DEC 17 2008

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

HOLD C104 FOR

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30603	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 167N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6223'

¹⁰ Surface Location

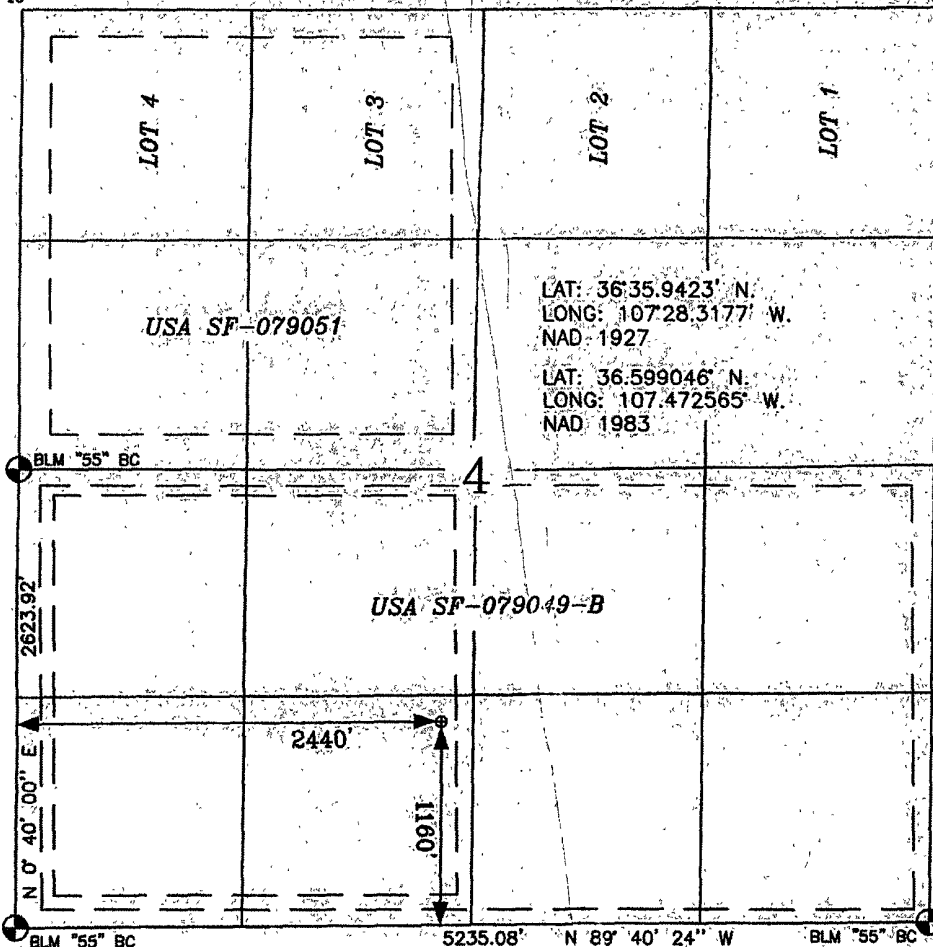
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	4	27-N	6-W		1160'	SOUTH	2440'	WEST	RIO ARriba

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
N									
¹² Dedicated Acres DK 320.0 ACRES S/2 MV 320.0 ACRES W/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

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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 Walker 5/2/08
Signature
Crystal Walker 5-12-08
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.

5-2-08
Date of Survey
Signature
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.11		
SAN JUAN 28 - 6 # 167 N	DATE	5/12/2008
WELL NAME		
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
N 4	27 N	6 W	36 35.9423 N	107 28.3177 W

COUNTY

RIO ARRIBA

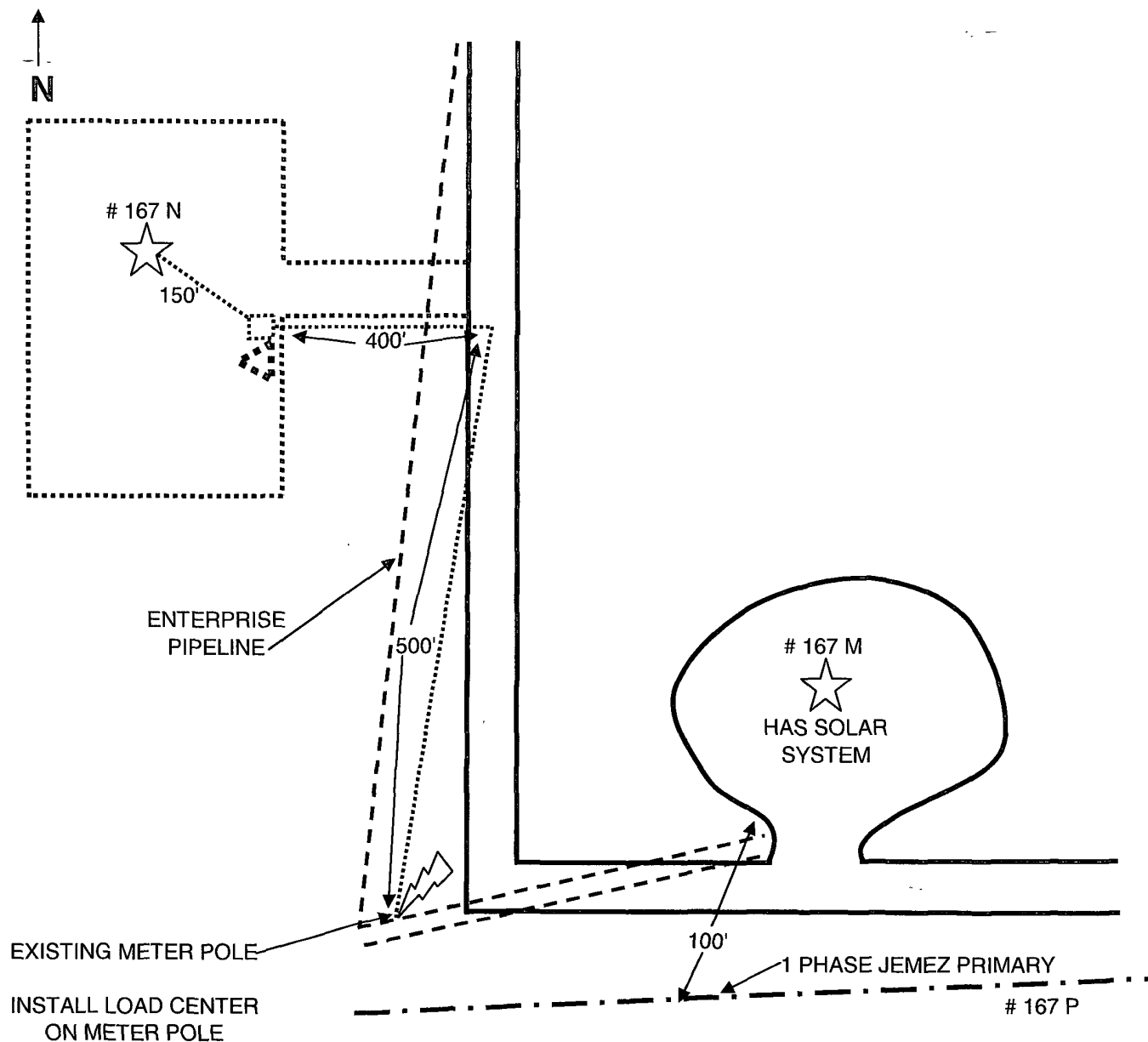
RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
		X		
# 8	200'			
# 8	1000'			
			JEMEZ	
			1000'	

COMMENTS

PLOW UGAC 900' TO EXISTING METER POLE
INSTALL LOAD CENTER ON METER POLE
INSTALL RECTIFIER SYSTEM
NOTE 167 m DISTANCE TO POWER LINE!!!!

WELL NAME
SAN JUAN 28 - 6 # 167 N



TANK 	SEP OR DEHY 	SOLAR 	METER POLE 	PUMP JACK 	GND/BED EXISTING CABLE 
RECT 	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE 
			FOREIGN PL 	CONOCO PL 	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 167N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8011		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist:		Phone:		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: Surface Datum Code: NAD 27

Latitude: 36.599037	Longitude: -107.471961	X:	Y:	Section: 04	Range: 006W
Footage X: 2440 FWL	Footage Y: 1160 FSL	Elevation: 6223 (FT)	Township: 027N		
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:

Formation Data: Assume KB = 6235 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6035	☐			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	2189	4046	☐			
KIRTLAND	2337	3898	☐			
FRUITLAND	2539	3696	☐			Possible Gas
PICTURED CLIFFS	2932	3303	☐			
LEWIS	3078	3157	☐			
Intermediate Casing	3178	3057	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 716 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3487	2748	☐			
CHACRA	3878	2357	☐			
MASSIVE CLIFF HOUSE	4567	1668	☐	732		Gas
MENEFEE	4700	1535	☐			
POINT LOOKOUT	5137	1098	☐			
MANCOS	5597	638	☐			
GALLUP	6308	-73	☐			
GREENHORN	7038	-803	☐			
GRANEROS	7102	-867	☐			
TWO WELLS	7135	-900	☐	2650		Gas
CUBERO	7245	-1010	☐			
LOWER CUBERO	7280	-1045	☐			
ENCINAL	7370	-1135	☐			
Total Depth	7370	-1135	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 606 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 # 167M	
Production	SJ 28-6 170N	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 167N

DEVELOPMENT

Production	SJ 28-6 #167	
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Logging Program:

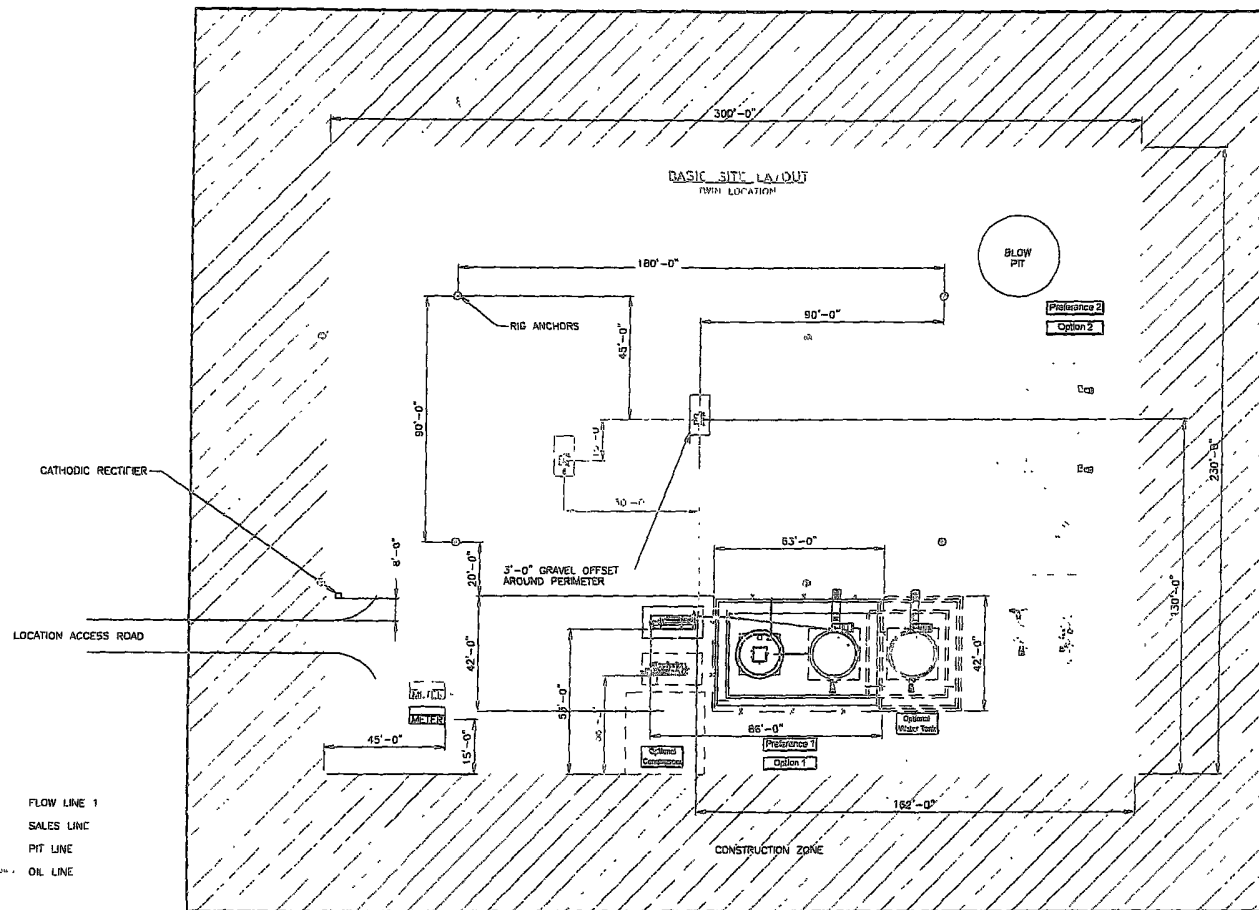
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

GR_CBL. TD at top of ENCN. Bottom perf 20' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS				CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT							
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION										
										PROCESS						SAN JUAN BUSINESS UNIT			CLIENT No.: DESIGN No.: DATE: 06/20/07 HP3PHASE-REV1		CLIENT APPR. SCALE: NONE CHECKED DATE: 6/20/07		SHEET No. 1 of 5	
										MECHANICAL														
										PIPING														
										ELECTRICAL														
										I & C														
										CIVIL/STRUCTURAL														
										PROJECT														
DESCRIPTION	DATE	BY	CHK'D	ENG	DISC	PROJ																		

Project: SAN JUAN BUSINESS UNIT Location Site Layout.dwg, 06/20/2007 - 06/20/07

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT 167N
1160' FSL & 2440' FWL,
Section 4, T27N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 35' 56.5" N
Longitude: 107° 28' 21.2" 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) 0.8 miles,
turn right (north) 300' to beginning of new access on left side of road,
turn left (westerly) 403.73' to the newly staked location.