

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 13 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078503 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 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #110N
4. Location of Well Surf: Unit J(NWSE), 1965' FSL & 1965' FEL Surf: Latitude 36.680721° N Longitude 107.609995° W	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 31, T29N, R7W API # 30-039-30551
14. Distance in Miles from Nearest Town 20 miles/Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 1965'	13. State NM
16. Acres in Lease 1,970.040	17. Acres Assigned to Well MV/DK 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 975' from SJ 27-5 #110M	
19. Proposed Depth 7856'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6647' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>6/13/08</u> Date

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

This action is subject to technical and 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
"GENERAL REQUIREMENTS"

DEC 05 2008

NMOCD
6/14

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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.

REC'D DEC 4 08
BLM'S DIV.
DIST. 3

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

Form C-102
Revised October 12, 2005

JUN 13 2008

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

☐ AMENDED REPORT

Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30551	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 110N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6647'

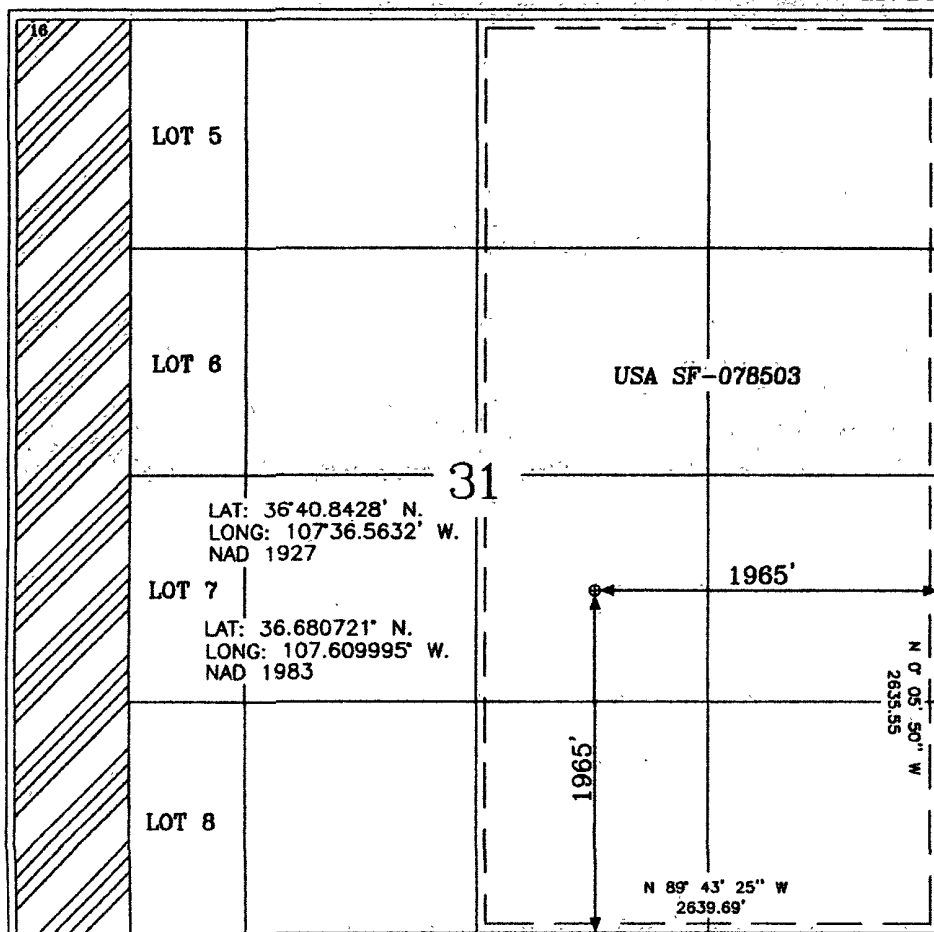
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	31	29-N	7-W		1965'	SOUTH	1965'	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
J									
¹² Dedicated Acres DK 320.0 ACRES E 1/2 MV 320.0 ACRES E 1/2			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



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 5/1/08
Signature
Crystal Walker 5-1-08
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.

4-30551
Date of Survey
Signature of Professional Surveyor
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PDO7.LB		
SAN JUAN 29 - 7 # 110 N	DATE	3/18/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	L 31	29 N	7 W	36 40.8335 N	107 36.5724 W

COUNTY

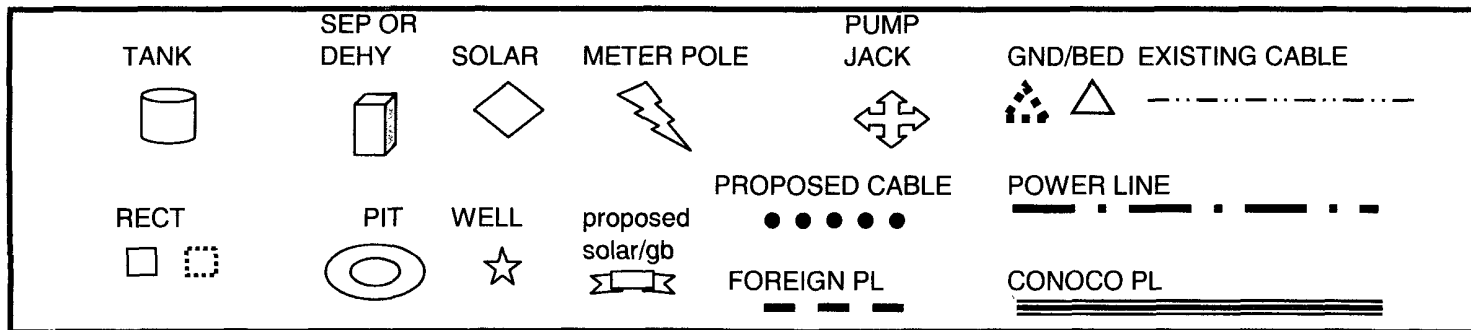
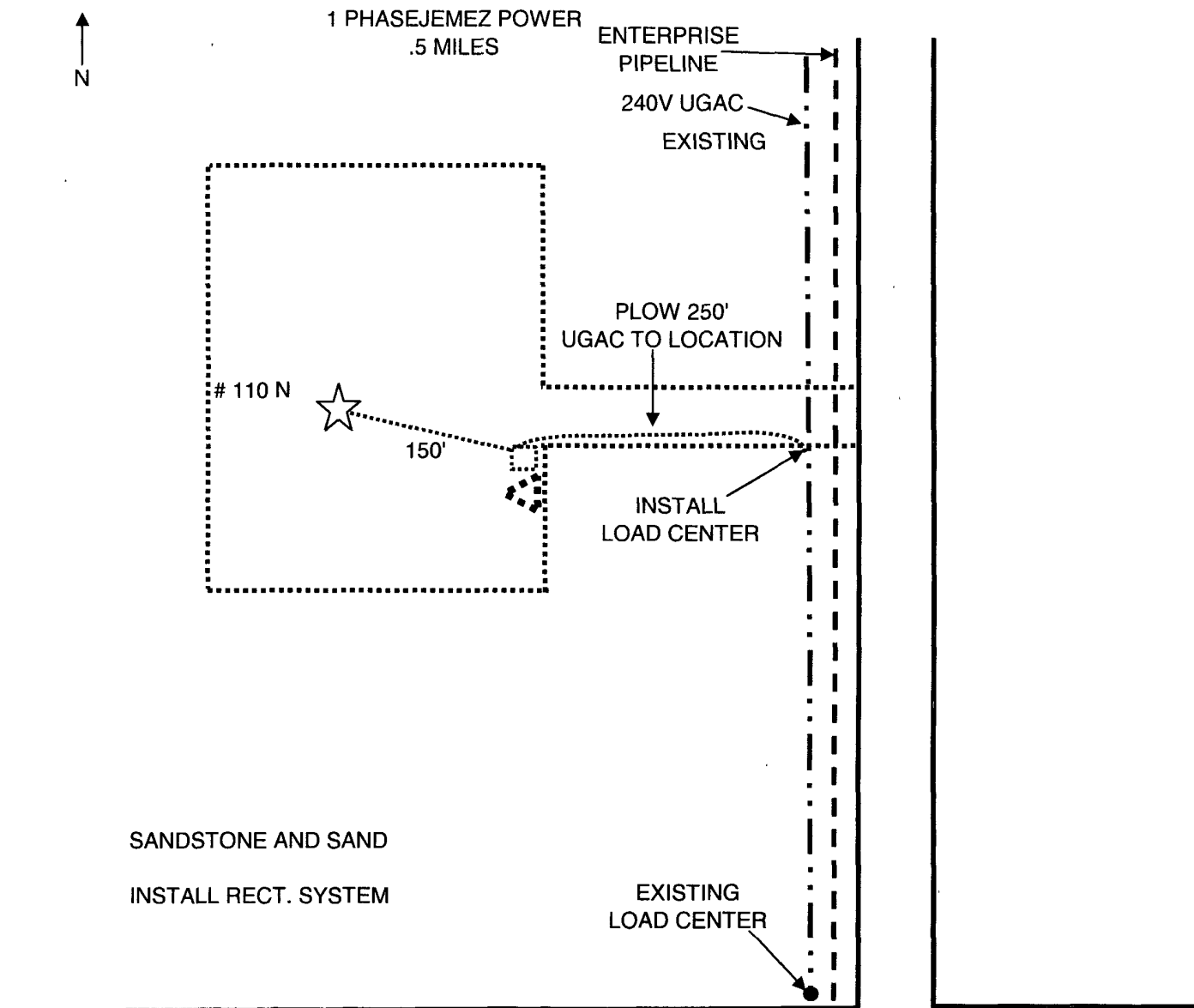
RIO ARRIBA

	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
<u>RECTIFIER</u>	30/12	X			
<u>SOLAR</u>					
<u>GROUND BED</u>		X			
<u>240 V METER POLE</u>					
<u>480 V METER POLE</u>					
<u>D C CABLES</u>	# 8	200'			
<u>A C CABLES</u>	# 8	300'			
<u>PRIMARY POWER</u>				JEMEZ	
<u>DISTANCE TO POWER</u>				.5 MILES	
<u>UNDERGROUND</u>					
<u>PUMPJACK</u>					
<u>WATER PUMP</u>					

COMMENTS

INSTALL 6/12 LOAD CENTER - PLOW UGAC TO LOC 250 FT -
INSTALL RECTIFIER SYSTEM

WELL NAME	SAN JUAN 29 - 7 # 110 N
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 110N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7461		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	

Primary Objective (Zones):	
Zone	Zone Name
RON	BLANCO MESAVERDE (PRORATED GAS)
FRR	BASIN DAKOTA (PRORATED GAS)

Location: San Juan		Datum Code: NAD 27			
Latitude: 36.680714	Longitude: -107.609386	X:	Y:	Section: 31	Range: 007W
Footage X: 1965 FEL	Footage Y: 1965 FSL	Elevation: 6647	(FT)	Township: 029N	

Tolerance:	
Location Type: Year Round	Start Date (Est.): 1/1/2008
Completion Date:	Date In Operation:

Formation Data: Assume KB = 6661	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6461	☐			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	2371	4290	☐			
KIRTLAND	2510	4151	☐			
FRUITLAND	3063	3598	☐			Possible Gas
PICTURED CLIFFS	3319	3342	☐			
LEWIS	3466	3195	☐			
Intermediate Casing	3566	3095	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 803 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3925	2736	☐			
CHACRA	4257	2404	☐			
UPPER CLIFF HOUSE	4855	1806	☐			Gas
MASSIVE CLIFF HOUSE	4958	1703	☐	440		Gas
MENEFEE	5133	1528	☐			
POINT LOOKOUT	5534	1127	☐			
MANCOS	5981	680	☐			
GALLUP	6808	-147	☐			
GREENHORN	7527	-866	☐			
GRANEROS	7590	-929	☐			
TWO WELLS	7695	-1034	☐	2215		Gas
CUBERO	7726	-1065	☐			
LOWER CUBERO	7748	-1087	☐			
ENCINAL	7826	-1165	☐			TD 30' into Encinal to complete upper Encinal sand. Bottom perf 15' off bottom.
Total Depth	7856	-1195	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 584 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	29-7 110M	SE31-29-7

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 110N

DEVELOPMENT

Production	29-7 118	SE31-29-7
Production	29-7 111	SW31-29-7

Logging Program:

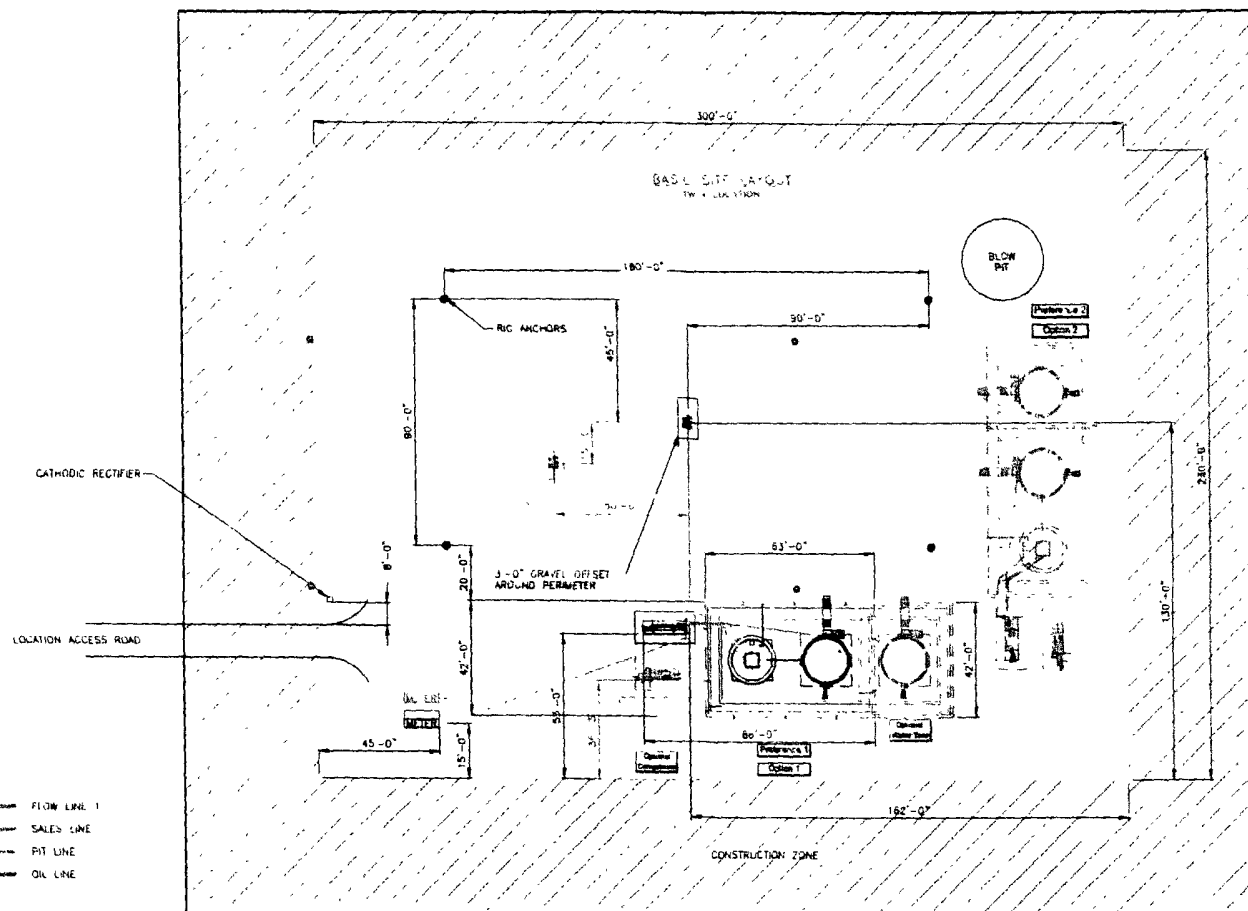
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 1 & 4 FOR PIPING DETAILS
ALL UNDERGROUND SPEC IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW		REFERENCE DRAWINGS		ConocoPhillips		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
										DISCIPLINE	REVISION	DATE	NO					DESCRIPTION
										PROCESS						SAN JUAN BUSINESS UNIT		SHEET 1 OF 5
										MECHANICAL								
										PUMP								
										ELECTRICAL								
										T & C								
										CONSTRUCTION						DESIGN NO.	DATE	
										PROJECT						CONTRACT NO.	ISSUANCE DATE	
																DATE		
										</								

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 110N
1965' FSL & 1965' FEL,
Section 31, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico
LAT. $36^{\circ} 40' 50.5''$ N
LONG. $107^{\circ} 36' 35.9''$ W
NAD 83

From the Post Office in Blanco, NM
Take Highway 64 East for 8.5 miles
turn right (southerly) for 0.6 miles,
stay left @ y-intersection (southeasterly) for 1.0 miles,
turn left (northerly) for 0.3 miles,
turn right (easterly) along Ridge Road 6.4 miles,
turn right (southwesterly) 0.7 miles,
stay left (southwesterly) 1.5 miles,
continue through the intersection (southwesterly) 0.6 miles,
stay right (northwesterly) 0.5 miles,
turn right (northeast) 0.1 miles to beginning of access
on left side of road, turn left 90.15' to the newly
staked location.