

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 23 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PRODUCED BY
BUREAU OF LAND MANAGEMENT
DIST. 2

1a. Type of Work DRILL	5. Lease Number USA SF-079193 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 125M	
4. Location of Well Surf: Unit P(SESE), 1309' FSL & 990' FEL BH: Unit O(SWSE), 820' FSL & 2260' FEL Surf: Latitude: 36.64312° N (NAD83) Longitude: 107.46686° W BH: Latitude: 36.64178° N (NAD83) Longitude: 107.47119° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T28N, R6W API # 30-039- 30815	
14. Distance in Miles from Nearest Town 32 miles/Blanco	12. County RIO ARRIBA	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 990'		
16. Acres in Lease 2240.00	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 52' from San Juan 28-6 Unit 125E (DK)		
19. Proposed Depth 7768'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6481' GL	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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Ethel Tally</u> Ethel Tally (Staff Regulatory Technician)	Date <u>9/22/09</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 9/29/09

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

PA B

Hold C104
for Directional Survey
and "As Drilled" plat

UNLESS OTHERWISE AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
GENERAL REQUIREMENTS.

NOTIFY AZTEC OCD 24 HRS. OCT 16 2009
PRIOR TO CASING & CEMENT

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 W. 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

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

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

SEP 22 2009

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30815	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28-6 UNIT	⁶ Well Number 125 M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6481'

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	21	28N	6W		1309'	SOUTH	990'	EAST	RIO ARRIBA

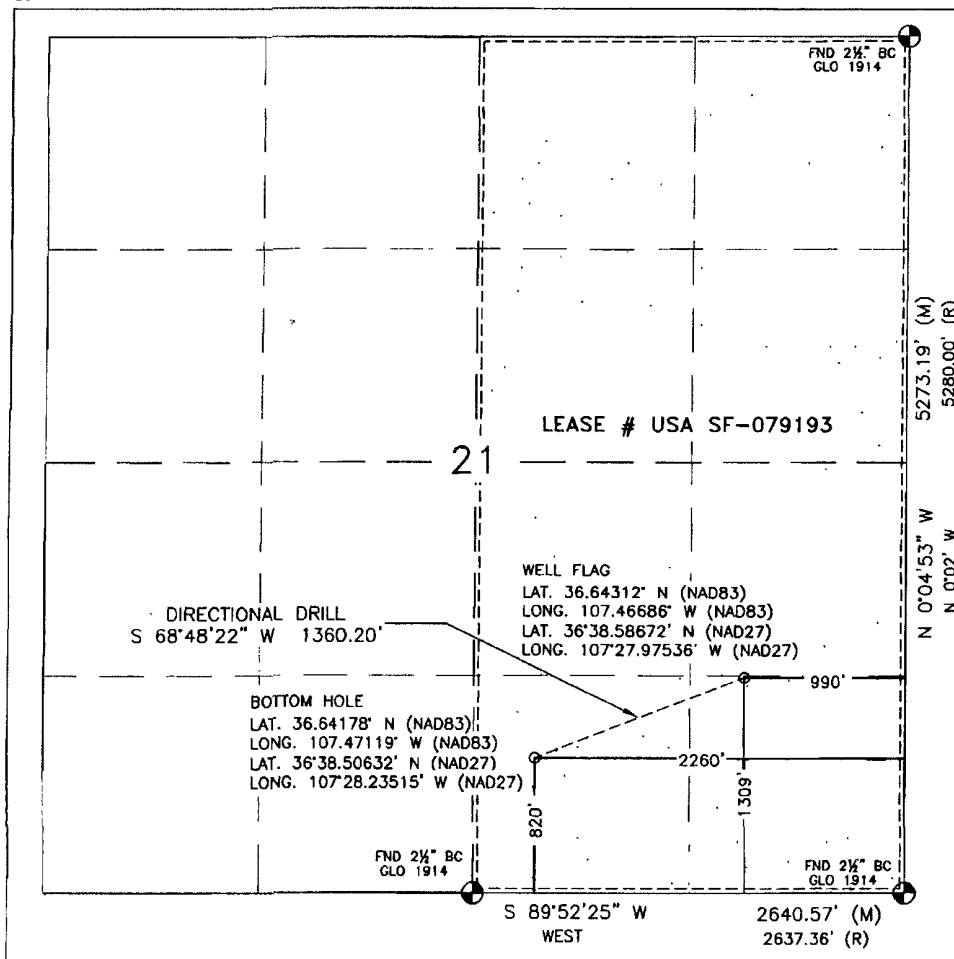
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	21	28N	6W		820'	SOUTH	2260'	EAST	RIO ARRIBA

¹² Dedicated Acres 320.0 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 or a compulsory pooling order heretofore entered by the division.

James Gardenhire 12/19/08
Signature Date

James Gardenhire
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.

OCTOBER 13, 2008

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 125M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9082				AFE \$: 1,782,307.22	
Field Name: SAN JUAN 28-6 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20076	DAKOTA(R20076)						
R20002	MESAVERDE(R20002)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.643112	Longitude: -107.466256	X:	Y:	Section: 21		Range: 006W	
Footage X: 990 FEL	Footage Y: 1309 FSL	Elevation: 6481	(FT)	Township: 028N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.641772	Longitude: -107.470586	X:	Y:	Section: 21		Range: 006W	
Footage X: 2260 FEL	Footage Y: 820 FSL	Elevation:	(FT)	Township: 028N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6496		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	203	6293	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 162 cuft. Circulate cement to surface.	
OJO ALAMO	2543	3953	☐				
KIRTLAND	2656	3840	☐				
FRUITLAND	2896	3600	☐			Possible Gas	
PICTURED CLIFFS	3291	3205	☐				
LEWIS	3451	3045	☐				
HUERFANITO BENTONITE	3896	2600	☐				
Intermediate Casing	4000	2496	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 965 cuft. Circulate cement to surface.	
CHACRA	4233	2263	☐				
MASSIVE CLIFF HOUSE	4943	1553	☐	743		Gas	
MENEFEE	5096	1400	☐				
POINT LOOKOUT	5471	1025	☐				
MANCOS	5991	505	☐				
UPPER GALLUP	6694	-198	☐				
GREENHORN	7437	-941	☐				
GRANEROS	7499	-1003	☐				
TWO WELLS	7536	-1040	☐	2355		Gas	
UPPER CUBERO	7647	-1151	☐				
LOWER CUBERO	7684	-1188	☐				
Total Depth	7768	-1272	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 514 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
ENCINAL	7768	-1272	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 125M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

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

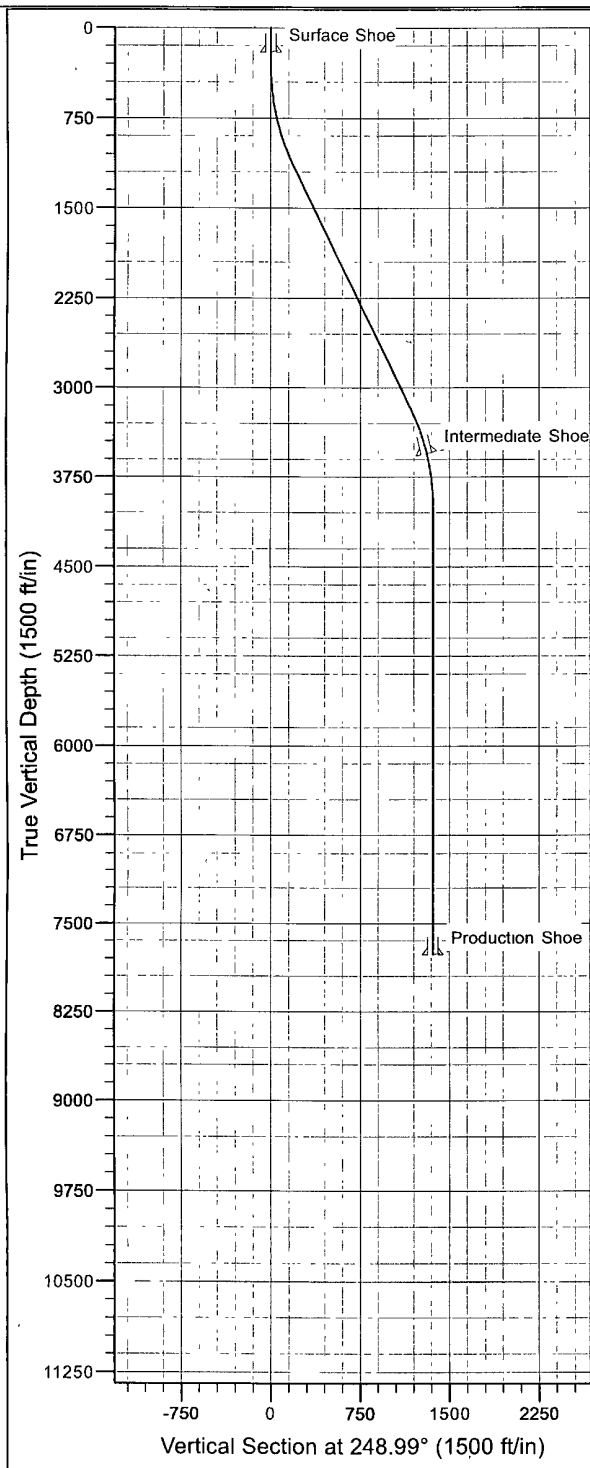
Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD. Est bottom perf ~20' above the est TD.

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

REFERENCE INFORMATION RKB @ 6496.0ft (Original Well Elev) Ground Elevation 6481.0 Reference Lat: 36° 38' 35.203 N Reference Long: 107° 27' 58.522 W	Project: San Juan Basin - New Mexico Wells Site: San Juan 28 Wells Well: SJ 28-6 #125M Wellbore: Wellbore #1 Design: Plan #1	
--	--	--

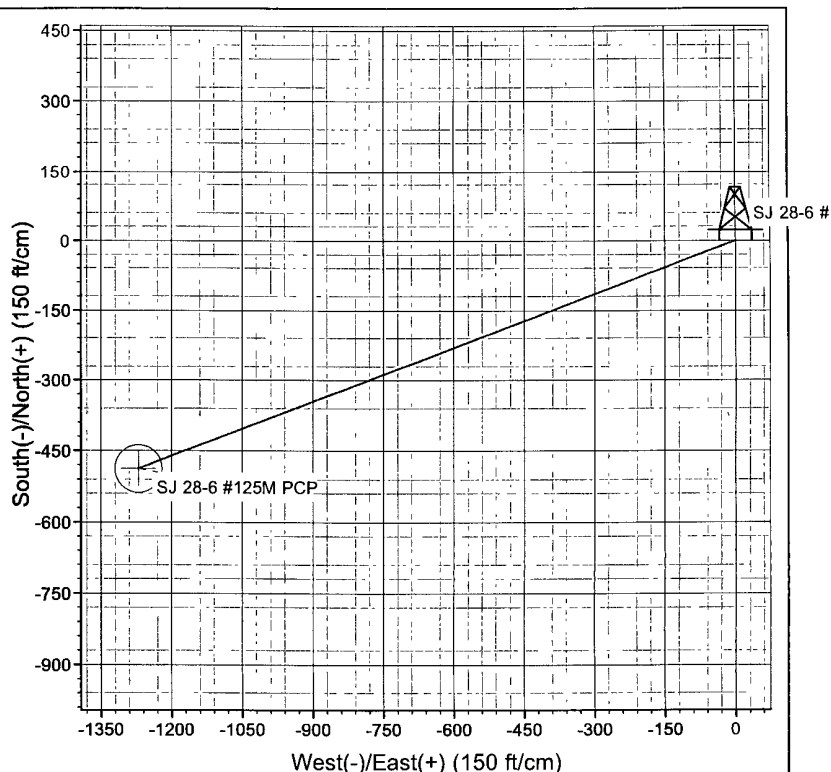
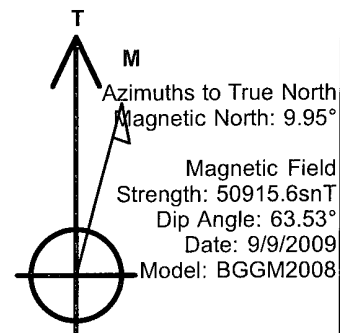
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1183.6	25.91	248.99	1154.5	-68.8	-179.2	3.00	248.99	192.0	
4	3419.3	25.91	248.99	3165.5	-419.0	-1091.2	0.00	0.00	1168.8	
5	4283.0	0.00	0.00	4000.0	-487.8	-1270.4	3.00	180.00	1360.8	SJ 28-6 #125M ICP
6	8051.0	0.00	0.00	7768.0	-487.8	-1270.4	0.00	0.00	1360.8	SJ 28-6 #125M PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2543.0	2727.3	Ojo
2656.0	2852.9	Kirtland
2896.0	3119.7	Fruitland
3291.0	3556.6	Pictured Cliffs
3451.0	3726.1	Lewis
3896.0	4178.9	Huerfano Bentonite
4233.0	4516.0	Chacra
4943.0	5226.0	Mass. Cliffhouse
5096.0	5379.0	Menefee
5471.0	5754.0	Point Lookout
5991.0	6274.0	Mancos
6694.0	6977.0	Upper Gallup
7437.0	7720.0	Greenhorn
7499.0	7782.0	Graneros
7536.0	7819.0	Two Wells
7647.0	7930.0	Upper Cubero
7684.0	7967.0	Lower Cubero
7768.0	8051.0	Encinal

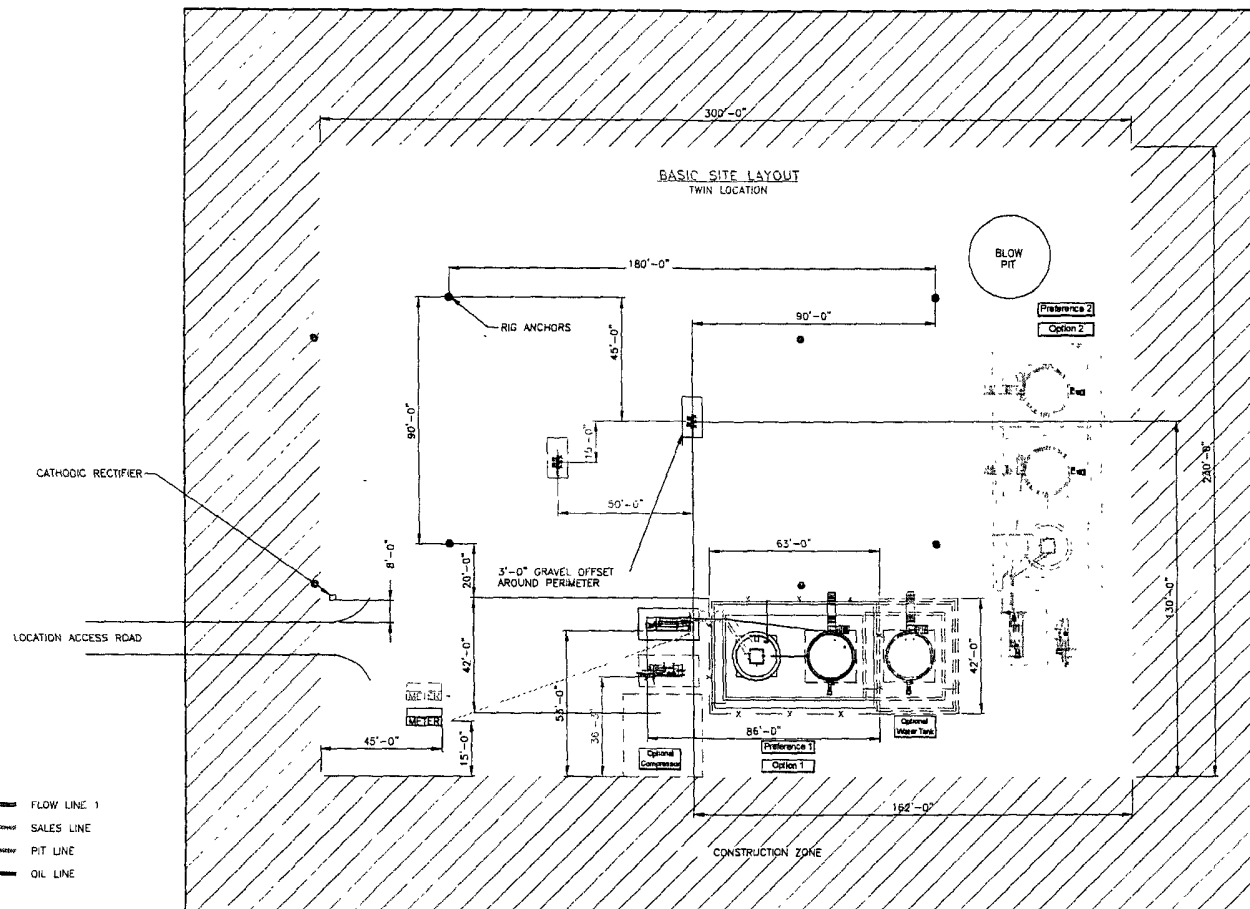




ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #125M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6496 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6496 0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #125M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,720 0	7,437 0	Greenhorn		0 00		
3,556 6	3,291 0	Pictured Cliffs		0 00		
7,967 0	7,684 0	Lower Cubero		0 00		
5,379 0	5,096 0	Menefee		0 00		
3,119 7	2,896 0	Fruitland		0 00		
8,051 0	7,768 0	Encinal		0 00		
4,516 0	4,233 0	Chacra		0 00		
7,930 0	7,647 0	Upper Cubero		0 00		
5,754 0	5,471 0	Point Lookout		0 00		
7,782 0	7,499 0	Graneros		0 00		
3,726 1	3,451 0	Lewis		0 00		
6,977 0	6,694 0	Upper Gallup		0 00		
7,819 0	7,536 0	Two Wells		0 00		
6,274 0	5,991 0	Mancos		0 00		
5,226 0	4,943 0	Mass Cliffhouse		0 00		
2,852 9	2,656 0	Kirtland		0 00		
2,727 3	2,543 0	Ojo		0 00		
4,178 9	3,896 0	Huerfanito Bentonite		0 00		



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS					CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT							
										DISCIPLINE	REVIEWED	DATE	NO	DESCRIPTION											
										PROCESS															
										MECHANICAL															
										PIPING															
										ELECTRICAL															
										T & C															
										CON/STRUCTURAL															
										PROJECT															
NO	DESCRIPTION		DATE	BY	CHK'D	ENG	DSG	PRJ											CLIENT NO.	CLIENT APPR.	APPR. DATE.				
																				DRAWN BY:	SCALE, NAME	CREATION DATE 8/25/07			
																				DWG. NO.					
																				HP3PHASE-REV1			SHEET NO. 1 OF 5		
																				SAN JUAN BUSINESS UNIT					

Address: S:\ppr\c\k\Andres\Regulatory\Twin Location Site Layout.dwg, 06/28/2007 - 08:39pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT #125 M
1309' FSL & 990' FEL
LOCATED IN THE SE/4 SE/4 OF SECTION 21,
T28N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO POST OFFICE HEAD EAST 22.7 MILES TO 4-MILE CANYON TURN OFF.
- 2) GO SOUTHEAST 3.4 MILES TO "Y" INTERSECTION.
- 3) TURN RIGHT, AND GO 2.1 MILES TO CROWS FOOT.
- 4) TURN RIGHT, AND GO NORTHWEST FOR 1.1 MILES.
- 5) TURN LEFT & GO 0.1 MILES TO "Y" INTERSECTION.
- 6) STAY TO THE LEFT AND CONTINUE SOUTHWEST 0.7 MILES THROUGH WELL PADS AND LOCKED GATE TO "Y" INTERSECTION.
- 7) TURN RIGHT AND GO 0.3 MILES TO EXISTING WELL PAD. NEW WELL PAD OVER LAPS EXISTING WELL PAD ON SOUTH SIDE.

WELL FLAG LOCATED AT LAT. 36.64312°N, LONG.107.46686°W (NAD 83).

