

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 14 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK **BACK** Bureau of Land Management
Farmington Field Office

RECEIVED
SEP 28 2009
BLM O&G DIV.
0519

1a. Type of Work DRILL	5. Lease Number 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 125N	
4. Location of Well Surf: Unit A(NENE), 919' FNL & 1298' FEL Bottomhole: Unit G(SWNE), 1440' FNL & 2580' FEL Surf: Latitude: 36.65148° N (NAD83) Longitude: 107.46793° W Bottomhole: Latitude: 36.65003° N (NAD83) Longitude: 107.47229° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T28N, R6W API # 30-039-30813	
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 919'	17. Acres Assigned to Well MV/DK 320.0 (E/2)	
16. Acres in Lease 2,240.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 28-6 Unit 459 (FC)		
19. Proposed Depth 7787'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6466' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	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	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)		

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
9/14/2009
Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 9/24/09

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.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089 SEP 29 2009

This action is subject to technical and procedural review pursuant to 43 CFR 3165.9 and appeal pursuant to 43 CFR 3165.4

AA.
NMOC
b

Hold C104 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED and "As Drilled" plat "GENERAL REQUIREMENTS".

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

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

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

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

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

OIL CONSERVATION DIVISION

SEP 14 2009

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

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30813		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 125 N
⁷ GRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6466'

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
A	21	28N	6W		919'	NORTH	1298'	EAST	RIO ARRIBA

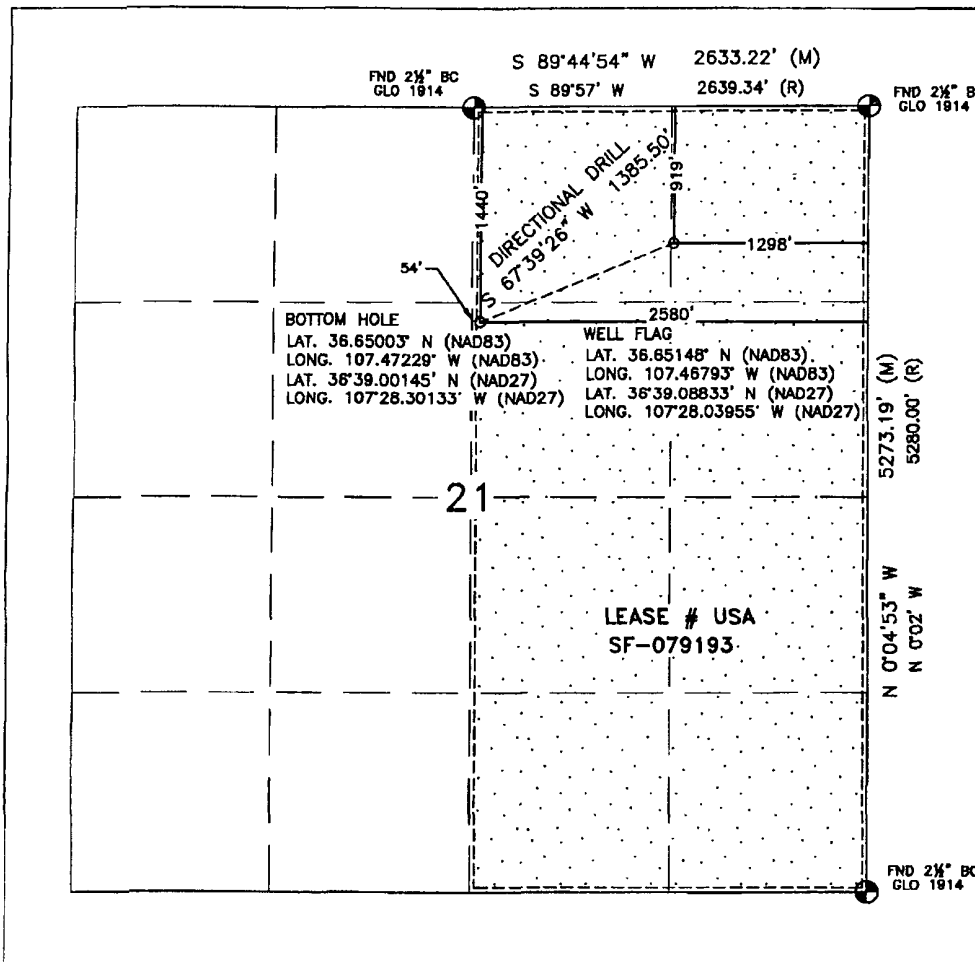
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	21	28N	6W		1440'	NORTH	2580'	EAST	RIO ARRIBA

¹² Dedicated Acres 320.0 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

18



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.

Crystal Tafuya 9/10/09
Signature Date

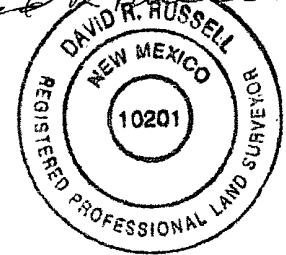
Crystal Tafuya 9-10-09
Printed Name

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.

FEBRUARY 12, 2009
Date of Survey

Signature and Seal of Professional Surveyor:
David R. Russell



DAVID RUSSELL
Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 125N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7466		AFE \$: 1,892,339.60	
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 **Directional**

Latitude: 36.651472	Longitude: -107.467326	X:	Y:	Section: 21	Range: 006W
Footage X: 1298 FEL	Footage Y: 919 FNL	Elevation: 6466	(FT)	Township: 028N	
Tolerance:					

Location: Bottom Hole **Datum Code:** NAD 27 **Directional**

Latitude: 36.650022	Longitude: -107.471686	X:	Y:	Section: 21	Range: 006W
Footage X: 2580 FEL	Footage Y: 1440 FNL	Elevation:	(FT)	Township: 028N	
Tolerance:					

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

Formation Data: Assume KB = 6481 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	203	6278	<input type="checkbox"/>			12-1/4 hole. 203' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 162 cuft. Circulate cement to surface.
OJO ALAMO	2531	3950	<input type="checkbox"/>			
KIRTLAND	2634	3847	<input type="checkbox"/>			
FRUITLAND	2928	3553	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3303	3178	<input type="checkbox"/>			
LEWIS	3456	3025	<input type="checkbox"/>			
HUERFANITO BENTONITE	3923	2558	<input type="checkbox"/>			
Intermediate Casing	4100	2381	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 991 cuft. Circulate cement to surface.
CHACRA	4261	2220	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4958	1523	<input type="checkbox"/>	625		Gas
MENEFEE	5118	1363	<input type="checkbox"/>			
POINT LOOKOUT	5461	1020	<input type="checkbox"/>			
MANCOS	5988	493	<input type="checkbox"/>			
UPPER GALLUP	6706	-225	<input type="checkbox"/>			
GREENHORN	7437	-956	<input type="checkbox"/>			
GRANEROS	7499	-1018	<input type="checkbox"/>			
TWO WELLS	7542	-1061	<input type="checkbox"/>	2445		Gas
UPPER CUBERO	7649	-1168	<input type="checkbox"/>			
LOWER CUBERO	7687	-1206	<input type="checkbox"/>			
ENCINAL	7775	-1294	<input type="checkbox"/>			
Total Depth	7787	-1306	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55 & L-80, LTC casing. Cement w/ 503 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 125N

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:

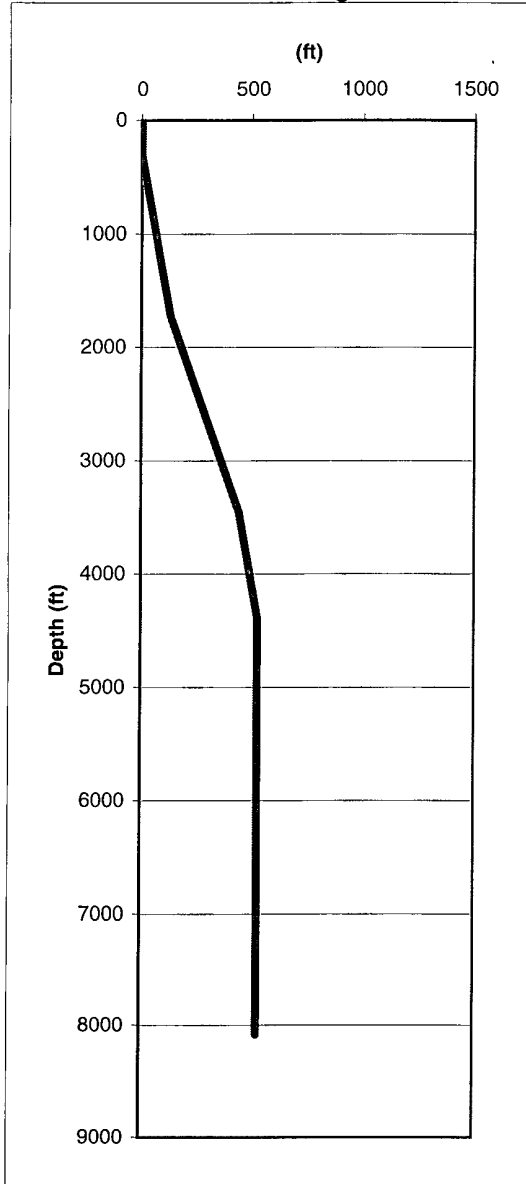
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks



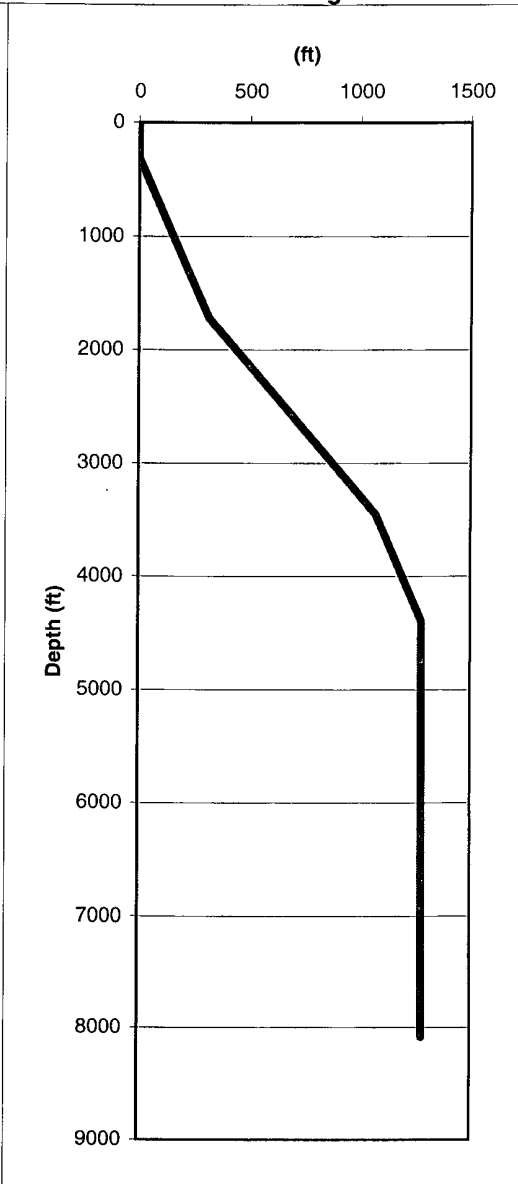
Proposed Wellbore

San Juan 28-6 Unit 125N

South Footage



West Footage



Database:	EDM-Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #125N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6481 Off (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6481 Off (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #125N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan Rev#1		

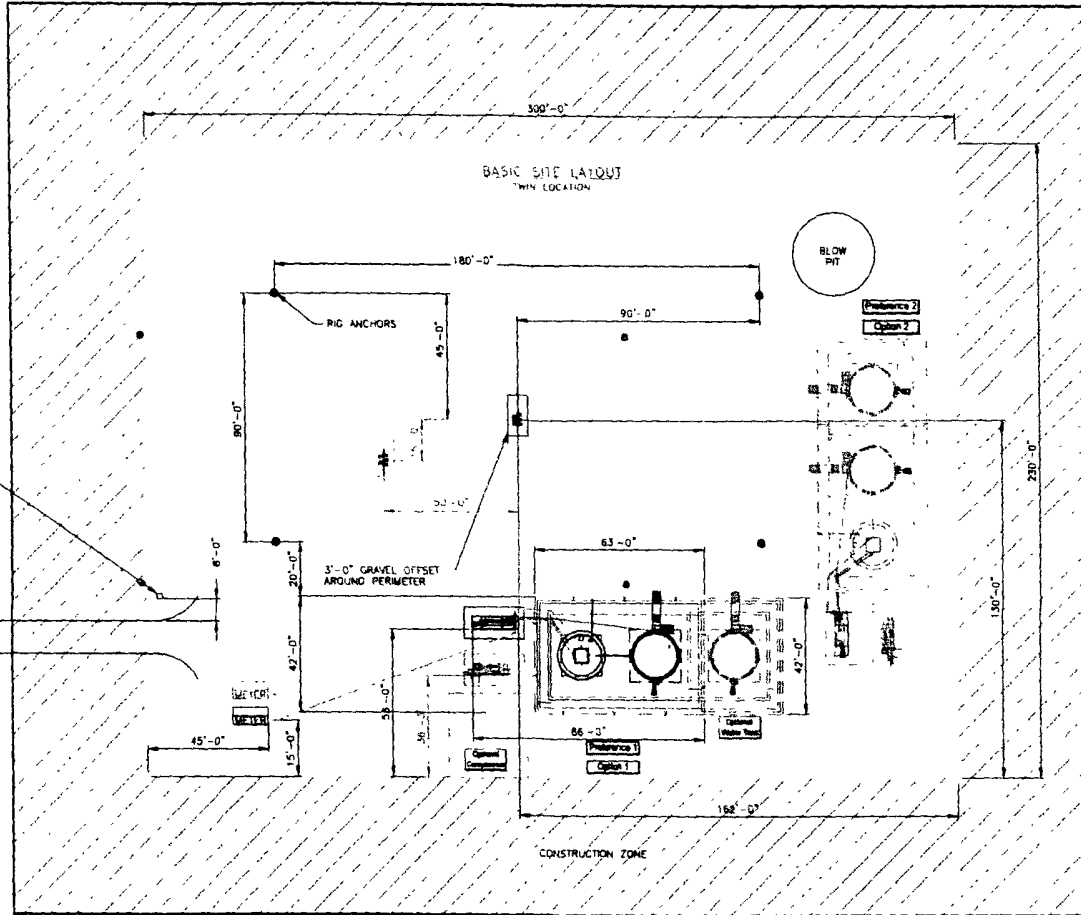
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (/100ft)	Build Rate (/100ft)	Turn Rate (/100ft)
7,500.0	0.00	0.00	7,200.8	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,300.8	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,400.8	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
7,736.2	0.00	0.00	7,437.0	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
Greenhorn									
7,798.2	0.00	0.00	7,499.0	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
Graneros									
7,800.0	0.00	0.00	7,500.8	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
7,841.2	0.00	0.00	7,542.0	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
Two Wells									
7,900.0	0.00	0.00	7,600.8	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
7,948.2	0.00	0.00	7,649.0	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
Upper Cubero									
7,986.2	0.00	0.00	7,687.0	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
Lower Cubero									
8,000.0	0.00	0.00	7,700.8	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
8,074.2	0.00	0.00	7,775.0	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
Encinal									
8,086.2	0.00	0.00	7,787.0	-527.2	-1,280.0	1,384.3	0.00	0.00	0.00
Production Shoe - SJ 28-6 #125N TD									

Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 28-6 #125N TD	- plan hits target center	0.00	0.00	7,787.0	-527.2	-1,280.0	2,056,061.03	606,087.90	36° 39' 0.087 N	107° 28' 18.080 W
	- Point									
SJ 28-6 #125N ICP	- plan hits target center	0.00	0.00	4,100.0	-527.2	-1,280.0	2,056,061.03	606,087.90	36° 39' 0.087 N	107° 28' 18.080 W
	- Point									

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
203.0	203.0	Surface Shoe	9-5/8	12-1/4
4,399.2	4,100.0	Intermediate Shoe	7	8-3/4
8,086.2	7,787.0	Production Shoe	4-1/2	6-1/4

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #125N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6481.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6481.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-6 #125N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan Rev#1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,577.1	3,303.0	Pictured Cliffs		0.00		
3,153.4	2,928.0	Fruitland		0.00		
4,222.0	3,923.0	Huerfanito Bentonite		0.00		
5,257.2	4,958.0	Mass Clifffhouse		0.00		
5,417.2	5,118.0	Menefee		0.00		
3,742.3	3,456.0	Lewis		0.00		
7,948.2	7,649.0	Upper Cubero		0.00		
2,819.7	2,634.0	Kirtland		0.00		
5,760.2	5,461.0	Point Lookout		0.00		
7,736.2	7,437.0	Greenhorn		0.00		
6,287.2	5,988.0	Mancos		0.00		
4,560.2	4,261.0	Chacra		0.00		
7,841.2	7,542.0	Two Wells		0.00		
7,798.2	7,499.0	Graneros		0.00		
8,074.2	7,775.0	Encinal		0.00		
2,702.8	2,531.0	Ojo		0.00		
7,005.2	6,706.0	Upper Gallup		0.00		
7,986.2	7,687.0	Lower Cubero		0.00		



- ===== FLOW LINE 1
- ===== SALES LINE
- PIT LINE
- OIL LINE

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	CLIENT NO.	CLIENT APPRO.	APPRO. DATE						
PROJECT													
MECHANICAL													
PIPING													
ELECTRICAL													
I & C													
CIVIL/STRUCTURAL													
PROJECT													

DESCRIPTION	JAR	JP	JMS	ENG	DISC	PL

SAN JUAN BUSINESS UNIT		CLIENT NO. CLIENT APPRO. APPRO. DATE	SCALE: NONE CREATION DATE: 8/20/07
		SHEET NO: HP3PHASE-REV1	SHEET NO: 1 OF 5

Address: E:\GPR\Draw\Changes\Map\factory\New\sector\Site Layout.dwg, 11/28/2007 - 12:34pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT #125 N
919' FNL & 1298' FEL
LOCATED IN THE NE/4 NE/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) TURN RIGHT & GO 1.1 MILES, THROUGH LOCKED GATE, BY RANCH HOUSE, TO EXISTING WELL PAD, WHERE IT IS TWINNED

WELL FLAG LOCATED AT LAT. 36.65148°N, LONG. 107.46793°W (NAD 83).

