

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 22 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079382 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 30-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 147N
4. Location of Well Surf: Unit L(NWSW), 2290' FSL & 760' FWL BH: Unit K(NESW), 2030' FSL & 1930' FWL Surf: Latitude: 36.78264° N (NAD83) Longitude: 107.52871° W BH: Latitude: 36.78194° N (NAD83) Longitude: 107.52472° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 25, T30N, R7W API # 30-039-30816
14. Distance in Miles from Nearest Town 12 miles/Navajo City	12. County RIO ARRIBA
15. Distance from Proposed Location to Nearest Property or Lease Line 700'	13. State NM
16. Acres in Lease 2080.00	17. Acres Assigned to Well MV/DK 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70' from San Juan 30-6 Unit 409 (FC)	
19. Proposed Depth 7693'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6274' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Ethel Tally</u> Ethel Tally (Staff 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

RCVD OCT 7 '09
OIL CONS. DIV.
DIST. 3



H2S POTENTIAL EXIST

PERMIT NO.

APPROVED BY

D. Montee

TITLE

APPROVAL DATE

AFM

DATE

9/30/09

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

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

Bond Numbers NMB-000015 and NMB-000089

NMOCD

for Directional Survey and "As Drilled" plat

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

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

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1201 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form O-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

RECEIVED
SEP 29 2009
Oil, Gas and Mineral Rights
Farming and Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039 - 30816		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 147N
*GRID No 1453B	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6274'

10 Surface Location

U. or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
L	25	30N	7W		2290	SOUTH	760	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
K	25	30N	7W		2030	SOUTH	1930	WEST	RIO ARriba

12 Dedicated Acres	320.0 Acres - W/2 (MV) 320.0 Acres - W/2 (DK)	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

LEASE USA
SF-079382

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 working interest, or to a voluntary pooling agreement, or a compulsory pooling order heretofore entered by the division.

Ethel Tally
Signature _____ Date _____
Ethel Tally
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.
Survey Date: FEBRUARY 25, 2009
Signature and Seal of Professional Surveyor

JASON C. EDWARDS
 Certificate Number 15269

5280.00'

5280.00'

5270.76'

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 147N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8527			AFE \$: 1,781,759.11	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA	API #:
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist:		Phone:		Prod. Engineer:		Phone:
Res. Engineer:		Phone:		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 Directional						
Latitude: 36.782634	Longitude: -107.528104	X:	Y:	Section: 25	Range: 007W	
Footage X: 760 FWL	Footage Y: 2290 FSL	Elevation: 6274	(FT)	Township: 030N		
Tolerance:						
Location: Bottom Hole Datum Code: NAD 27 Directional						
Latitude: 36.781934	Longitude: -107.524114	X:	Y:	Section: 25	Range: 007W	
Footage X: 1930 FWL	Footage Y: 2030 FSL	Elevation:	(FT)	Township: 030N		
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6289 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6089	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
NACIMIENTO	899	5390	<input type="checkbox"/>			
OJO ALAMO	2147	4142	<input type="checkbox"/>			
KIRTLAND	2287	4002	<input type="checkbox"/>			
FRUITLAND	2727	3562	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3197	3092	<input type="checkbox"/>			
LEWIS	3299	2990	<input type="checkbox"/>			
Intermediate Casing	3800	2489	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 912 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3888	2401	<input type="checkbox"/>			
CHACRA	4219	2070	<input type="checkbox"/>			Est. Top Perf - 4220 (2068)
UPPER CLIFF HOUSE	4767	1522	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	5043	1246	<input type="checkbox"/>	352		Gas
MENEFEE	5095	1194	<input type="checkbox"/>			
POINT LOOKOUT	5433	856	<input type="checkbox"/>			
MANCOS	5756	533	<input type="checkbox"/>			
UPPER GALLUP	6682	-393	<input type="checkbox"/>			
GREENHORN	7383	-1094	<input type="checkbox"/>			
GRANEROS	7437	-1148	<input type="checkbox"/>			
TWO WELLS	7523	-1234	<input type="checkbox"/>	3409		Gas
PAGUATE	7569	-1280	<input type="checkbox"/>			
UPPER CUBERO	7583	-1294	<input type="checkbox"/>			
LOWER CUBERO	7619	-1330	<input type="checkbox"/>			Est. Btm Perf - 7672 (-1384) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 147N

DEVELOPMENT

ENCINAL	7676	-1387	<input type="checkbox"/>	TD - 17' below T/ENCN
Total Depth	7693	-1404	<input type="checkbox"/>	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/ L-80, LTC casing. Cement w/ 531 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	McElvain 6-A	30N 7W 25 NW SW
Production	SJ 30-6 96B	30N 7W 26 SE SE NE
Production	SJ 30-6 409	30N 7W 25 NE NW SW
Production	SJ 30-6 129	30N 7W 25 NW SE SE

Logging Program:

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

TD Logs: Triple Combo Dipmeter RFT Sonic VSP TDT Other

Cased Hole GR / CBL

Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.

Additional Information:

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

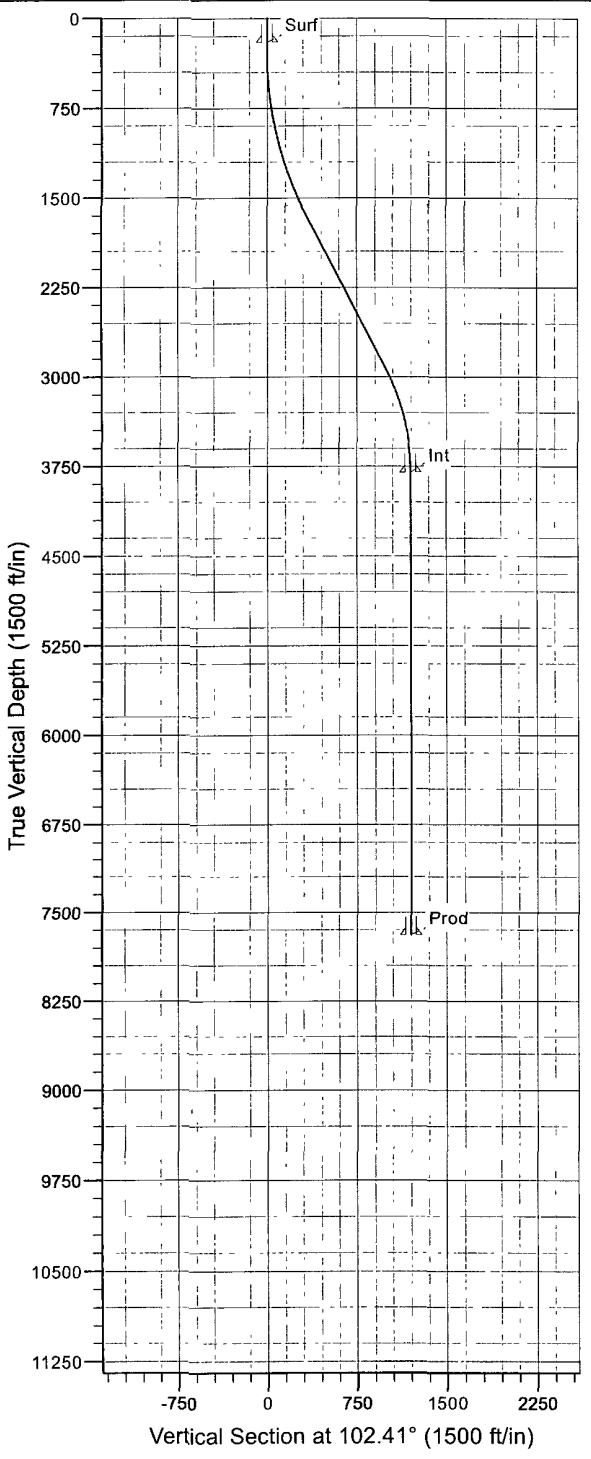
SB @ 6289.0ft (Original Well Elev)
 Ground Elevation 6274.0
 Reference Lat: 36° 46' 57.492 N
 Reference Long: 107° 31' 41.190 W

Project: San Juan Basin - New Mexico Wells
 Site: San Juan 30 Wells
 Well: SJ 30-6 #147N
 Wellbore: Principal Wellbore
 Design: Plan #1



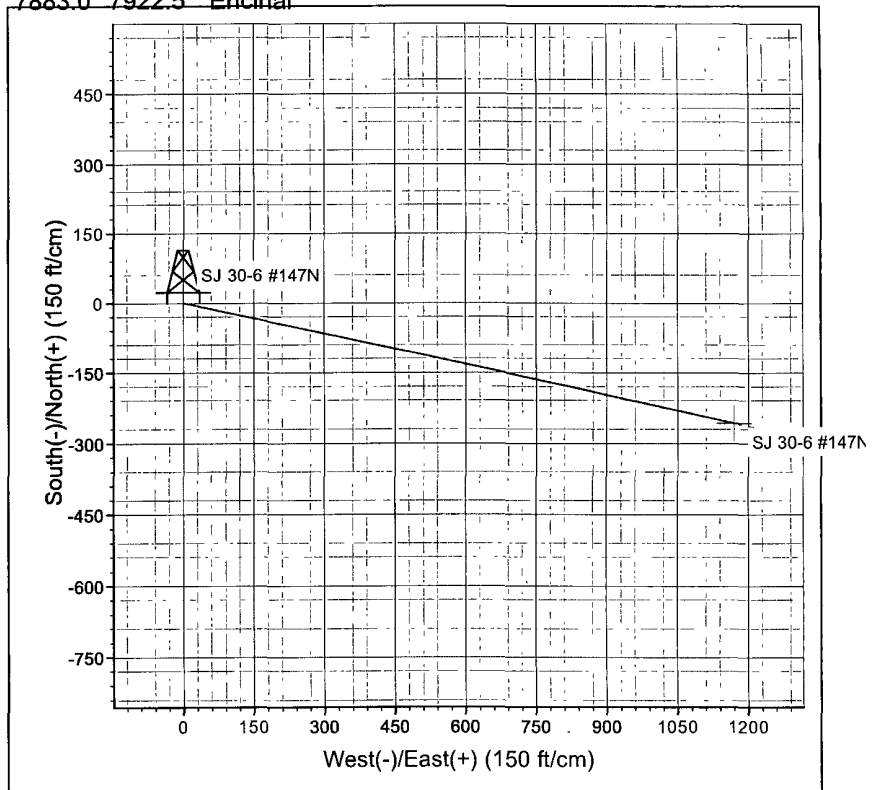
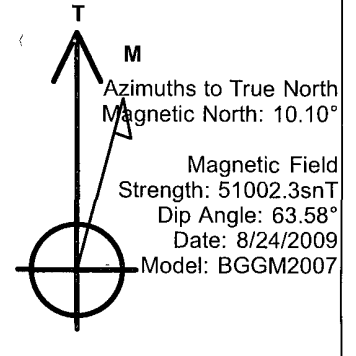
SECTION DETAILS

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	1683.8	27.28	102.41	1632.9	-68.5	311.1	2.00	102.41	318.5	
4	3137.3	27.28	102.41	2924.7	-211.6	961.6	0.00	0.00	984.7	
5	4046.5	0.00	0.00	3800.0	-257.3	1169.0	3.00	180.00	1197.0	SJ 30-6 #147N - ICP
6	7939.5	0.00	0.00	7693.0	-257.3	1169.0	0.00	0.00	1197.0	SJ 30-6 #147N - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1106.0	903.0	Nacimiento
2354.0	2262.3	Ojo Alamo
2494.0	2419.8	Kirtland
2934.0	2914.8	Fruitland
3404.0	3433.0	Pictured Cliffs
3506.0	3539.6	Lewis
4095.0	4134.5	Huerfanito Bentonite
4426.0	4465.5	Chacra
4974.0	5013.5	Upper Cliff House
5250.0	5289.5	Massive Cliffhouse
5302.0	5341.5	Menefee
5640.0	5679.5	Point Lookout
5963.0	6002.5	Mancos
6889.0	6928.5	Upper Gallup
7590.0	7629.5	Greenhorn
7644.0	7683.5	Graneros
7730.0	7769.5	Two Wells
7776.0	7815.5	Paguate
7790.0	7829.5	Upper Cubero
7826.0	7865.5	Lower Cubero
7883.0	7922.5	Encinal

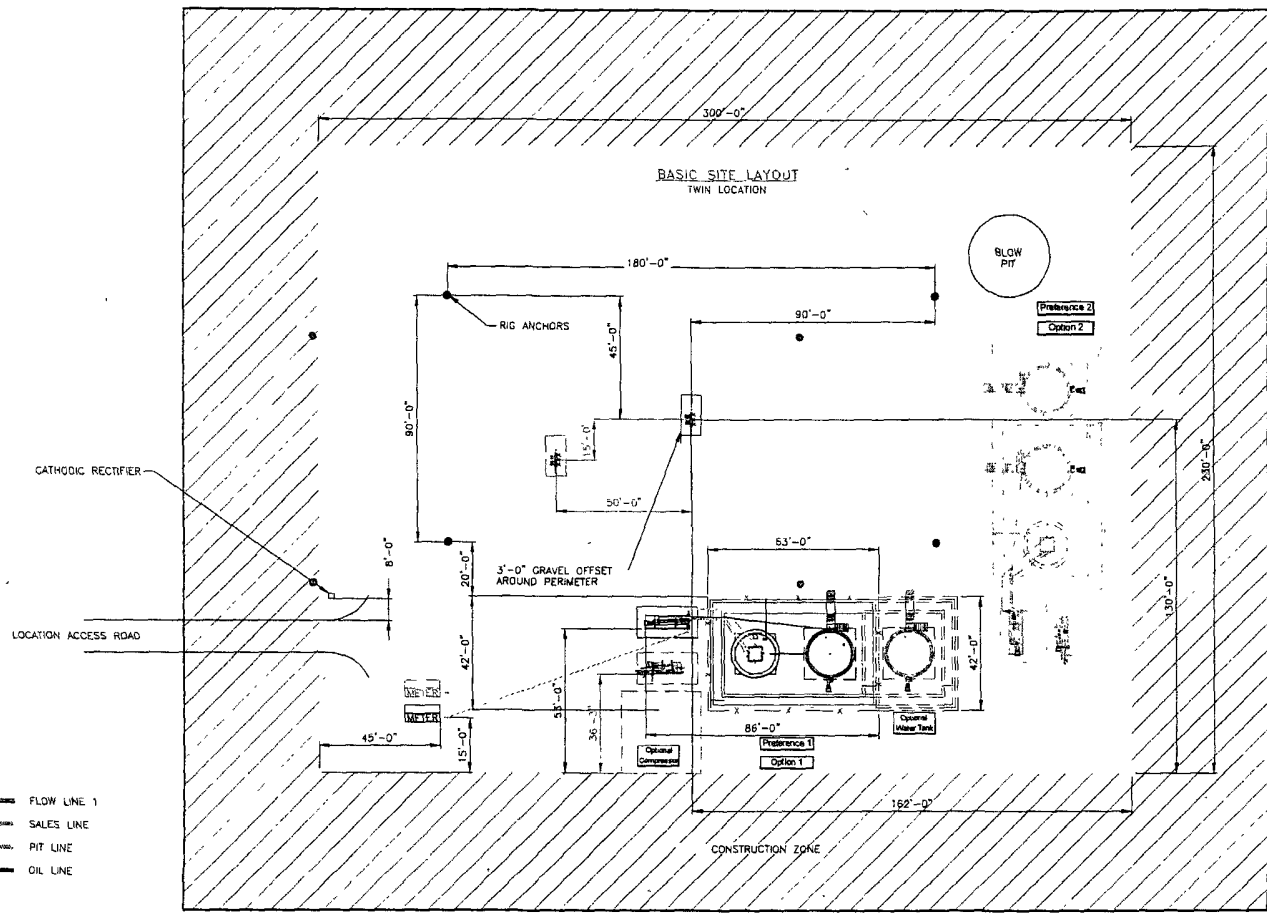


ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #147N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6289 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6289 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #147N	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,013.5	4,767.0	Upper Cliff House		0.00		
6,002.5	5,756.0	Mancos		0.00		
5,341.5	5,095.0	Menefee		0.00		
7,769.5	7,523.0	Two Wells		0.00		
5,289.5	5,043.0	Massive Cliffhouse		0.00		
2,262.3	2,147.0	Ojo Alamo		0.00		
2,914.8	2,727.0	Fruitland		0.00		
7,629.5	7,383.0	Greenhorn		0.00		
4,134.5	3,888.0	Huerfanito Bentonite		0.00		
5,679.5	5,433.0	Point Lookout		0.00		
4,465.5	4,219.0	Chacra		0.00		
3,433.0	3,197.0	Pictured Cliffs		0.00		
6,928.5	6,682.0	Upper Gallup		0.00		
2,419.8	2,287.0	Kirtland		0.00		
903.0	899.0	Nacimiento		0.00		
3,539.6	3,299.0	Lewis		0.00		
7,815.5	7,569.0	Paguete		0.00		
7,683.5	7,437.0	Graneros		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		CLIENT No.	CLIENT APPR.	APPR. DATE
										PROCESS								
										MECHANICAL								
										PIPING								
										ELECTRICAL								
										I & C								
										CIVIL/STRUCTURAL								
										PROJECT								
										SAN JUAN BUSINESS UNIT					CLIENT No.	CLIENT APPR.	APPR. DATE	
															DRAWN BY	SCALE: NONE	CREATION DATE 6/26/07	
															DWG. No.	HP3PHASE-REV1	SHEET No. 1 of 5	

Address: \\gasprod\cck\1\Andres\Regulatory\San Juan Location Site Layout.dwg, 06/28/2007 - 08:39pm

Directions from the Intersection of US Hwy 550 & State Hwy 64 in Bloomfield, NM

to Burlington Resources Oil & Gas Company San Juan 30-6 Unit #147N

2290' FSL & 760' FWL, Section 25, T30N, R7W, N.M.P.M., Rio Arriba County, NM

Latitude : 36.78264°N Longitude : 107.52871°W Datum : NAD1983

From the intersection of US Hwy 550 & State Hwy 64 in Bloomfield, NM, travel Easterly on State Hwy 64 for 24.0 miles to State Highway 539;

Go left (North-easterly) on State Highway 539 for 3.9 miles;

Go right (North-easterly) on DeLasso Loos Road for 6.8 miles to State Highway 527 (Sims Highway);

Go right (South-easterly) on State Highway 527 for 0.3 miles to fork in road;

Go right (Southerly) for 0.7 miles to fork in road;

Go right (South-westerly) for 0.1 miles to staked location which overlaps an existing wellpad.