

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 28 2009

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-080713 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD NOV 9 '09	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name JIL CONS. DIV. San Juan 30-6 Unit DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 39N	
4. Location of Well Surf: Unit J (NWSE), 1406' FSL & 837' FEL Bottomhole: Unit O (SWSE), 1190' FSL & 1820' FEL Surf: Latitude: 36.809225° N (NAD83) Longitude: 107.410635° W Bottomhole: Latitude: 36.808630° N (NAD83) Longitude: 107.413994° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 13, T30N, R6W API # 30-039-30834	
14. Distance in Miles from Nearest Town 55 miles from Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 837'	17. Acres Assigned to Well MV/ DK 227.76 (E/2)	
16. Acres in Lease 912.880	 H ₂ S POTENTIAL EXIST	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 72' from San Juan 30-6 Unit 39A (MV/DK)	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7807'	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	
21. Elevations (DF, FT, GR, Etc.) 6317' GL	24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	
23. Proposed Casing and Cementing Program See Operations Plan attached	Date <u>10/28/2009</u>	

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

NMOC NOV 17 2009

Hold C104

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

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

for Directional Survey
and "As Drilled" plat

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 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
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies
OCT 28 2009

Bureau of Land Management
Farmingington Field Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30834	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 39N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6317

¹⁰ SURFACE LOCATION

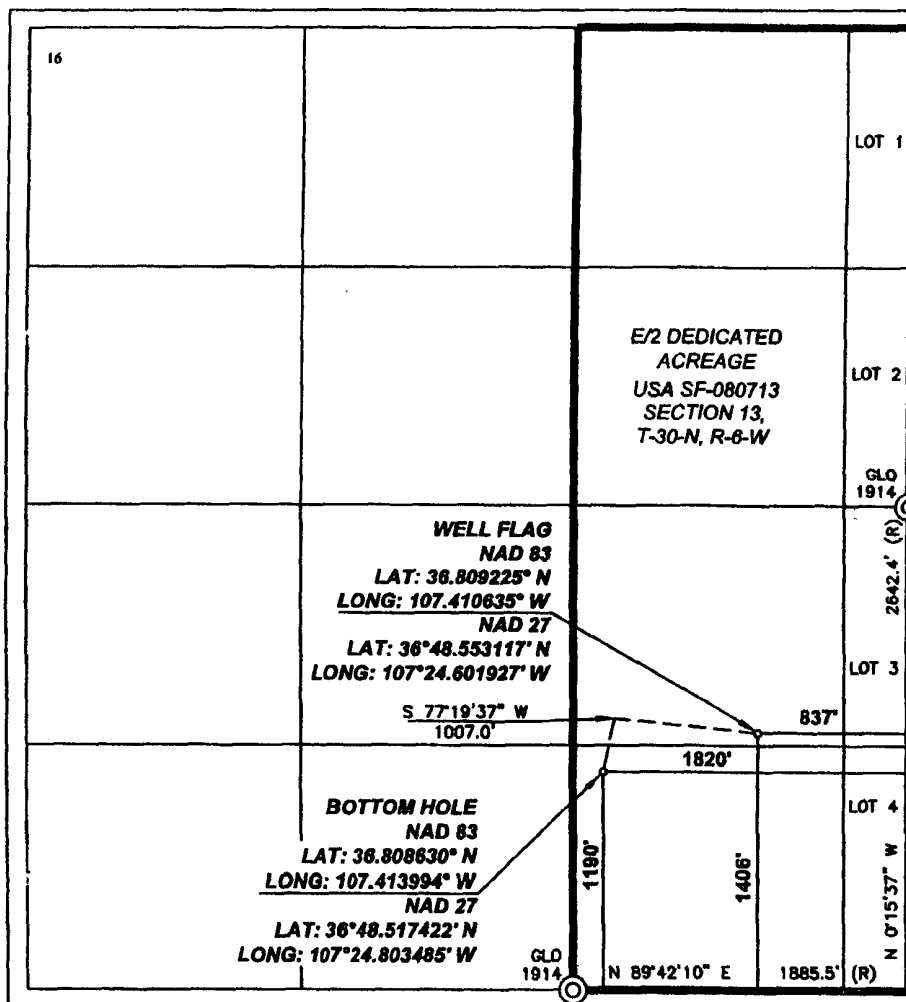
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	13	30-N	6-W		1406	SOUTH	837	EAST	RIO ARriba

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	13	30-N	6-W		1190	SOUTH	1820	EAST	RIO ARriba

¹² Dedicated Acres 227.78	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. PR R2046 MC MV Division memo, 9/2/1965
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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



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.

Tracey N. Monroe
Signature

Tracey N. Monroe
Printed Name

Staff Reg Tech
Title and E-mail Address

7/2/09
Date

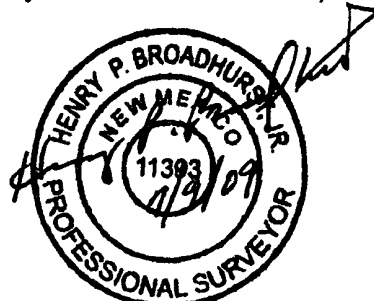
Date

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.

Date of Survey: 6/17/09

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 39N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9135				AFE \$: 1,738,465.42	
Field Name: SAN JUAN 30-6 UNIT		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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.809219	Longitude: -107.410032	X:	Y:	Section: 13		Range: 006W	
Footage X: 837 FEL	Footage Y: 1406 FSL	Elevation: 6317	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.808624	Longitude: -107.413391	X:	Y:	Section: 13		Range: 006W	
Footage X: 1820 FEL	Footage Y: 1190 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6332 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	210	6122	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 167 cuft. Circulate cement to surface.	
NACIMIENTO	1137	5195	☐				
OJO ALAMO	2389	3943	☐				
KIRTLAND	2484	3848	☐				
FRUITLAND	2758	3574	☐	125		Possible Gas	
PICTURED CLIFFS	3259	3073	☐	625			
LEWIS	3332	3000	☐				
Intermediate Casing	3432	2900	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 815 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3990	2342	☐				
CHACRA	4352	1980	☐				
MASSIVE CLIFF HOUSE	5184	1148	☐	450		Gas	
MENEFEE	5234	1098	☐				
POINT LOOKOUT	5492	840	☐				
MANCOS	5856	476	☐				
UPPER GALLUP	6766	-434	☐				
GREENHORN	7494	-1162	☐				
GRANEROS	7544	-1212	☐				
PAGUATE	7666	-1334	☐	3375			
UPPER CUBERO	7674	-1342	☐			Encinal may not be well developed with small contribution.	
LOWER CUBERO	7711	-1379	☐			Estimated bottom perf 15' off bottom.	
ENCINAL	7777	-1445	☐			TD 30' into Encinal for possible very upper sand completion.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 39N

DEVELOPMENT

Total Depth	7807	-1475	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 595 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	30-6 39A	NE13-30-6
Production	30-5 88	SW18-30-5

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
No OH logs required. Mudlog from 100' above Greenhorn to TD - loggers will call TD.							

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



ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ.30-6 #39N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6332.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6332.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ.30-6 #39N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,421.0	5,234.0	Menefee		0.00		
4,177.0	3,990.0	Huerfano Bentonite		0.00		
7,861.0	7,674.0	Upper Cubero		0.00		
6,043.0	5,856.0	Mancos		0.00		
		Two Wells		0.00		
3,445.8	3,259.0	Pictured Cliffs		0.00		
7,681.0	7,494.0	Greenhorn		0.00		
7,731.0	7,544.0	Graneros		0.00		
7,964.0	7,777.0	Encinal		0.00		
5,371.0	5,184.0	Mass Cliffhouse		0.00		
2,632.4	2,484.0	Kirtland		0.00		
1,163.8	1,137.0	Nacimiento		0.00		
6,953.0	6,766.0	Upper Gallup		0.00		
7,853.0	7,666.0	Paguate		0.00		
7,898.0	7,711.0	Lower Cubero		0.00		
4,539.0	4,352.0	Chacra		0.00		
5,679.0	5,492.0	Point Lookout		0.00		
2,930.2	2,758.0	Fruitland		0.00		
3,519.0	3,332.0	Lewis		0.00		
2,528.8	2,389.0	Ojo		0.00		

REFERENCE INFORMATION

RKB @ 6332.0ft (Original Well Elev)
Ground Elevation 6317.0
Reference Lat: 36° 48' 33.187 N
Reference Long: 107° 24' 36.116 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #39N
Wellbore: Wellbore #1
Design: Plan #1

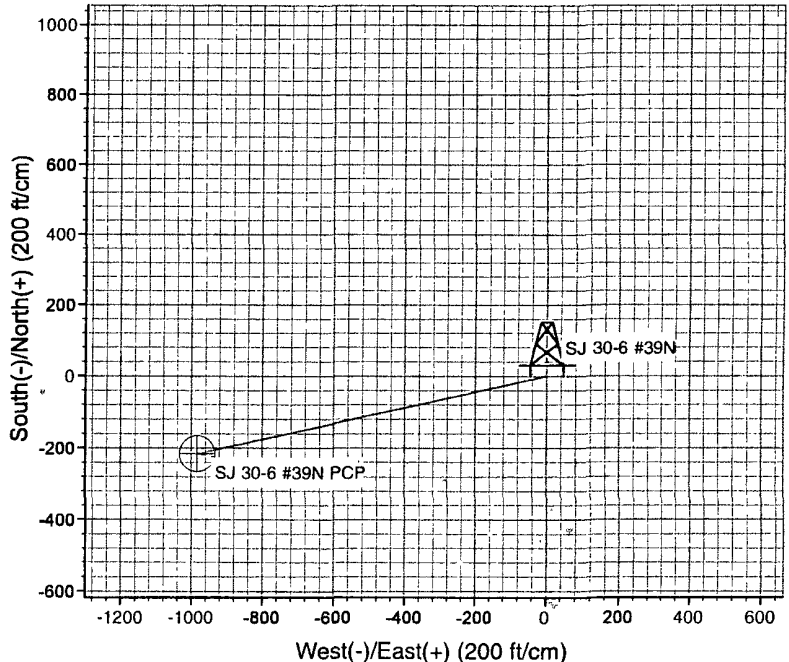
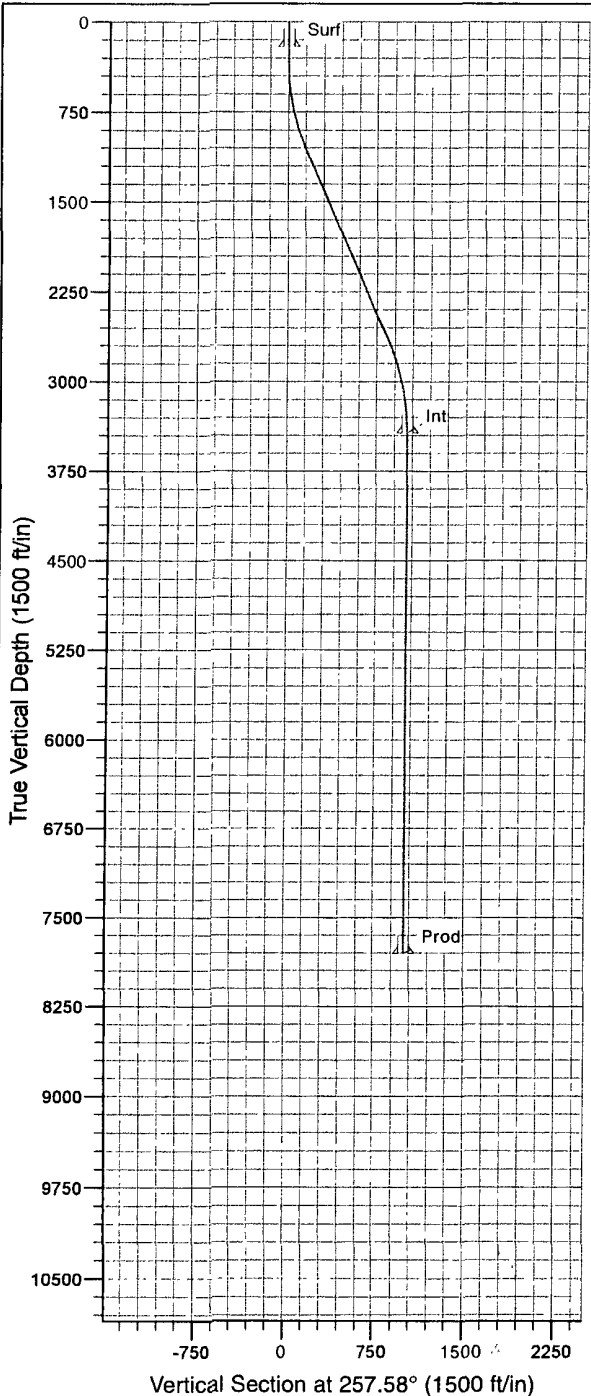
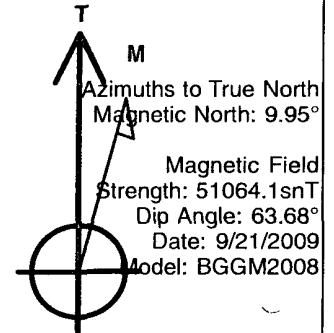
ConocoPhillips

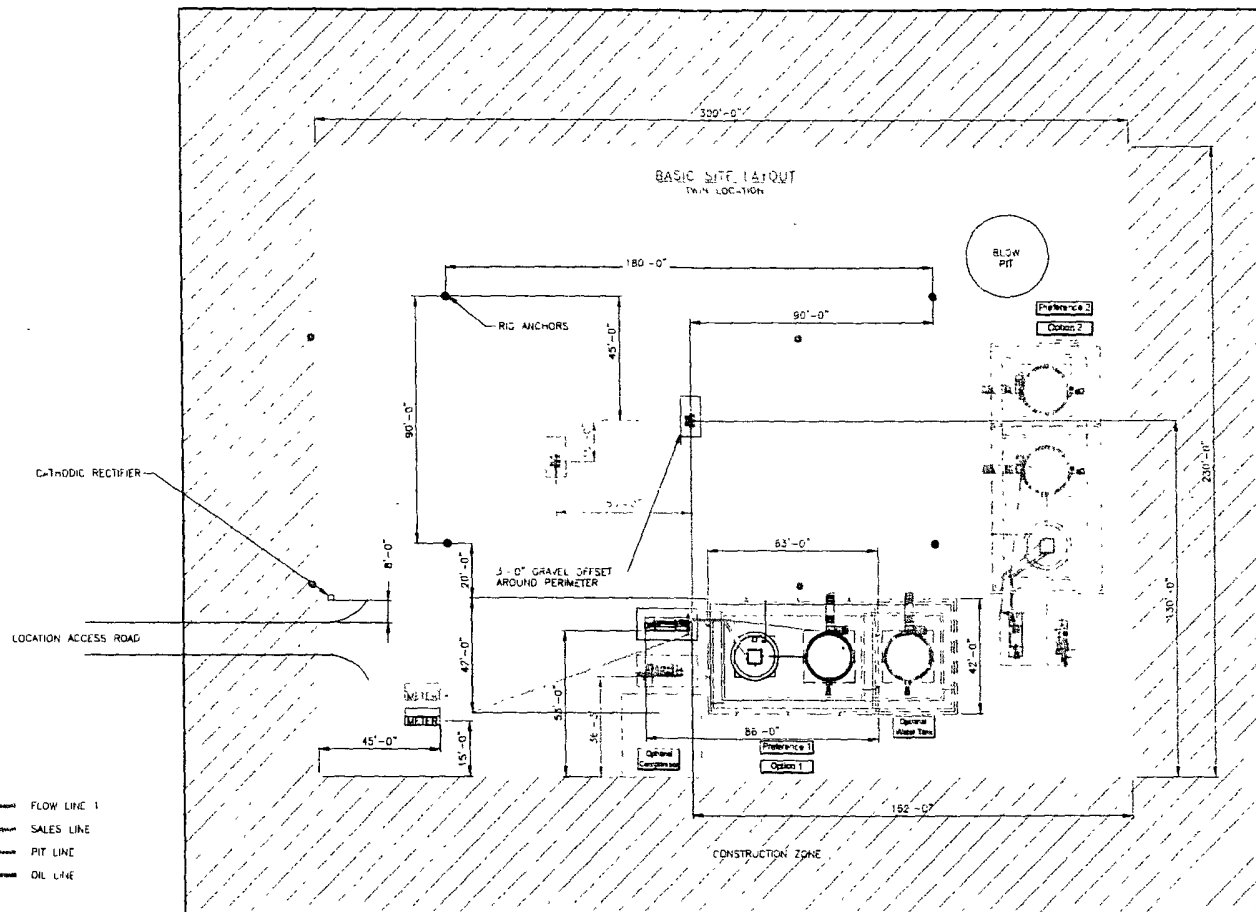
SECTION DETAILS

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	1102.7	23.48	257.58	1081.0	-34.0	-154.4	3.00	257.58	158.1	
4	2836.3	23.48	257.58	2671.0	-182.6	-829.0	0.00	0.00	848.9	
5	3619.0	0.00	0.00	3432.0	-216.6	-983.5	3.00	180.00	1007.0	SJ 30-6 #39N ICP
6	7994.0	0.00	0.00	7807.0	-216.6	-983.5	0.00	0.00	1007.0	SJ 30-6 #39N PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
		Two Wells
1648.0	1163.8	Nacimiento
2900.0	2528.8	Ojo
2995.0	2632.4	Kirtland
3269.0	2930.2	Fruitland
3770.0	3445.8	Pictured Cliffs
3843.0	3519.0	Lewis
4501.0	4177.0	Huerfano Bentonite
4863.0	4539.0	Chacra
5695.0	5371.0	Mass. Cliffhouse
5745.0	5421.0	Menefee
6003.0	5679.0	Point Lookout
6367.0	6043.0	Mancos
7277.0	6953.0	Upper Gallup
8005.0	7681.0	Greenhorn
8055.0	7731.0	Graneros
8177.0	7853.0	Paguate
8185.0	7861.0	Upper Cubero
8222.0	7898.0	Lower Cubero
8288.0	7964.0	Encinal





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

SHEET 1 OF 2

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCO-PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION				
										PROCESS								
										MECHANICAL								
										PIPING								
										ELECTRICAL								
										C & I								
										CIVIL/STRUCTURAL								
										PROJECT								
DESCRIPTION										DATE	BY	CHECKED	ENGINEER	DRAWN	CLIENT NO. _____ CLIENT NAME _____ SCALE _____ INSTR. DATE _____ CREATION DATE 8/20/07			
															DWG. NO. _____ HP3PHASE-REV1			
										SAN JUAN BUSINESS UNIT					SHEET NO. _____ 1 OF 5			

CONOCO-PHILLIPS

SAN JUAN BUSINESS UNIT

\\hp3\phillips\conoco\regulatory\San Juan Location Site Layout.dwg, 06/28/2007 - 08:39pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #39N

1406' FSL, 837' FEL

SECTION 13, T-30-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.809225°N LONG.: 107.410635° W

ELEV.: 6317 NAVD88

NO NEW ACCESS

FROM THE INTERSECTION OF HWY. 550 AND HWY. 64 IN
BLOOMFIELD, N.M.:

- GO 37.7 MI. EAST ON HWY. 64 (MILE MARKER 102.3) TURN LEFT (NORTH) ON HWY. 527, AKA SIMMS MARINA ROAD.
- GO 8.0 MI. NORTH ON HWY. 527. TURN RIGHT ONTO ROSA ROAD.
- GO 6.4 MI. ALONG ROSA ROAD, CROSSING LA JARA WASH. TURN RIGHT (EASTERLY) AT BLM / FOREST SERVICE WARNING SIGN.
- GO 2.2 MI. EASTERLY, CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD HEADING EAST. TURN RIGHT (SOUTH) TOWARDS SWD SITE.
- GO 0.4 MI. SOUTH. TURN RIGHT.
- GO 0.4 MI. WEST TO SJ 30-6 UNIT #39A LOCATION. NEW WELL TWINNED HERE.