

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 28 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-012709 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 9B
4. Location of Well Surf: Unit G(SWNE), 2178' FNL & 2212' FEL Bottomhole: H(ENE), 2415' FNL & 1100' FEL Surf: Latitude: 36.784994° N (NAD83) Longitude: 107.610911° W Bottomhole: Latitude: 36.784344° N (NAD83) Longitude: 107.607111° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30, T30N, R7W API # 30-039-30838
14. Distance in Miles from Nearest Town 28 miles/Bloomfield	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1100'	17. Acres Assigned to Well MV/DK 320.00 (E/2)
16. Acres in Lease 1,420.680	 H ₂ S POTENTIAL EXIST
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 71' from San Juan 30-6 Unit 498R (FC)	
19. Proposed Depth 7601'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6224' 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 10/28/2009
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	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 is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMCCD

ALL ACTIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

NOV 17 2009

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

RECEIVED

OCT 28 2009

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30838	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6224

¹⁰ SURFACE LOCATION

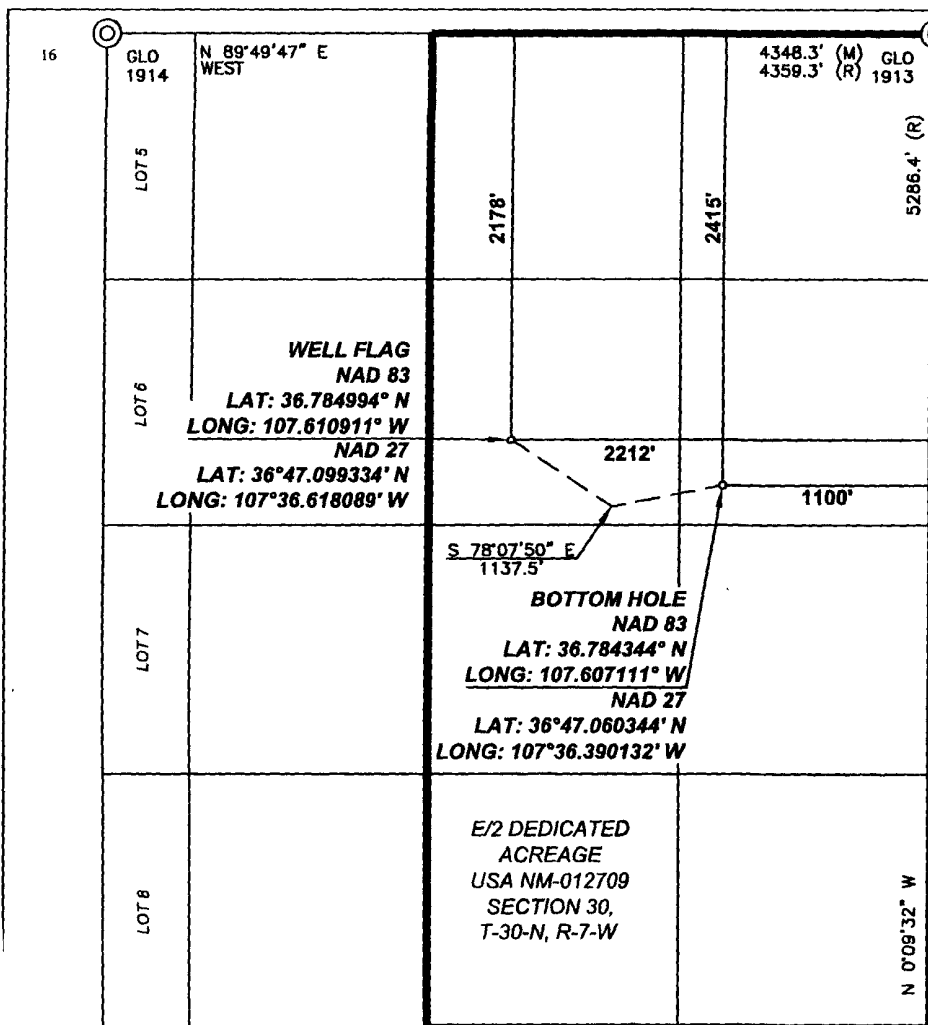
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	30	30-N	7-W		2178	NORTH	2212	EAST	RIO ARRIBA

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
H	30	30-N	7-W		2415	NORTH	1100	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 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

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

7/21/09
Date

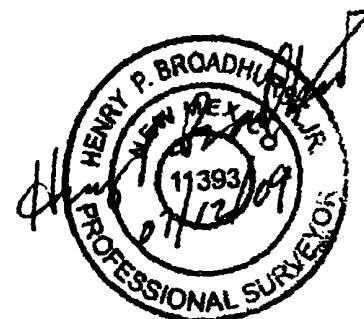
Date

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: 6/22/09

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 9B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9140				AFE \$: 1,667,746.14	
Field Name: SAN JUAN		Rig: H&P Rig 282		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: 36.784988	Longitude: -107.610301	X:	Y:	Section: 30	Range: 007W		
Footage X: 2212 FEL	Footage Y: 2178 FNL	Elevation: 6224	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.784338	Longitude: -107.606501	X:	Y:	Section: 30	Range: 007W		
Footage X: 1100 FEL	Footage Y: 2415 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6239 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	201	6038	☐			12-1/4 hole. 215' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	767	5472	☐				
OJO ALAMO	2030	4209	☐				
KIRTLAND	2163	4076	☐				
FRUITLAND	2598	3641	☐			Possible Gas	
PICTURED CLIFFS	3113	3126	☐				
LEWIS	3219	3020	☐				
Intermediate Casing	3319	2920	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 805 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3796	2443	☐				
CHACRA	4123	2116	☐			Est. Top Perf - 4124 (2114)	
UPPER CLIFF HOUSE	4655	1584	☐			Gas	
MASSIVE CLIFF HOUSE	4885	1354	☐	417		Gas	
MENEFEE	4995	1244	☐				
POINT LOOKOUT	5307	932	☐				
MANCOS	5661	578	☐				
UPPER GALLUP	6575	-336	☐				
GREENHORN	7309	-1070	☐				
GRANEROS	7363	-1124	☐				
TWO WELLS	7433	-1194	☐	3440		Gas	
PAGUATE	7500	-1261	☐				
UPPER CUBERO	7523	-1284	☐				
LOWER CUBERO	7553	-1314	☐			Est. Btm Perf - 7580 (-1342) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 9B

DEVELOPMENT

ENCINAL	7601	-1362	☐	TD - T/ENCN
Total Depth	7601	-1362	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 583 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-6 498	30N 7W 30 SW SW NE
Production	SJ 30-6 9	30N 7W 30 NW SW NE
Production	SJ 30-6 498R	30N 7W 30 SW SW NE

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #9B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6239.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6239.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #9B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #9B		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction	
5,142.1	4,885.0	Massive Cliffhouse		0.00		
3,476.1	3,219.0	Lewis		0.00		
771.2	767.0	Nacimiento		0.00		
7,566.1	7,309.0	Greenhorn		0.00		
7,780.1	7,523.0	Upper Cubero		0.00		
7,690.1	7,433.0	Two Wells		0.00		
2,836.8	2,598.0	Fruitland		0.00		
5,918.1	5,661.0	Mancos Shale		0.00		
5,564.1	5,307.0	Pt Lookout		0.00		
7,810.1	7,553.0	Lower Cubero		0.00		
4,380.1	4,123.0	Chacra		0.00		
7,858.1	7,601.0	Encinal		0.00		
3,369.7	3,113.0	Pictured Cliffs		0.00		
2,344.2	2,163.0	Kirtland		0.00		
4,912.1	4,655.0	Upper Cliffhouse		0.00		
7,757.1	7,500.0	Paguates		0.00		
4,053.1	3,796.0	Huerf Bent		0.00		
2,190.8	2,030.0	Ojo Alamo		0.00		
6,832.1	6,575.0	Gallup		0.00		
5,252.1	4,995.0	Menefee		0.00		
7,858.1	7,601.0	TD		0.00		
7,620.1	7,363.0	Graneros		0.00		

REFERENCE INFORMATION

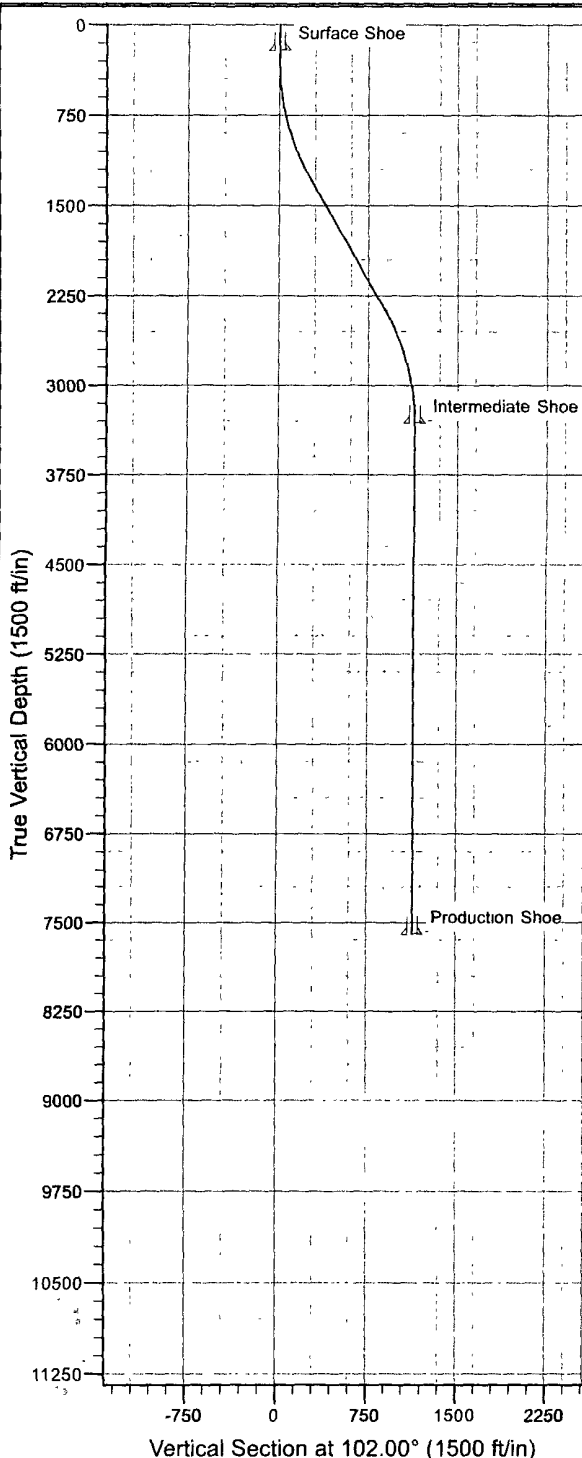
RKB @ 6239.0ft (Original Well Elev)
Ground Elevation 6224.0
Reference Lat: 36° 47' 5.960 N
Reference Long: 107° 36' 37.085 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #9B
Wellbore: SJ 30-6 #9B
Design: Plan #1



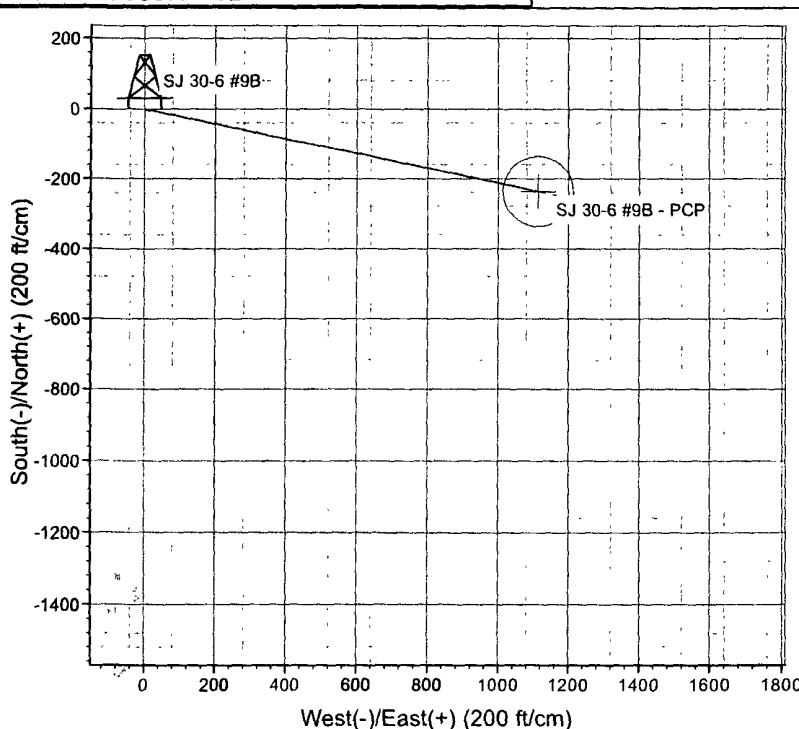
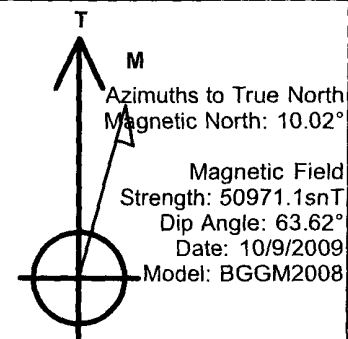
SECTION DETAILS

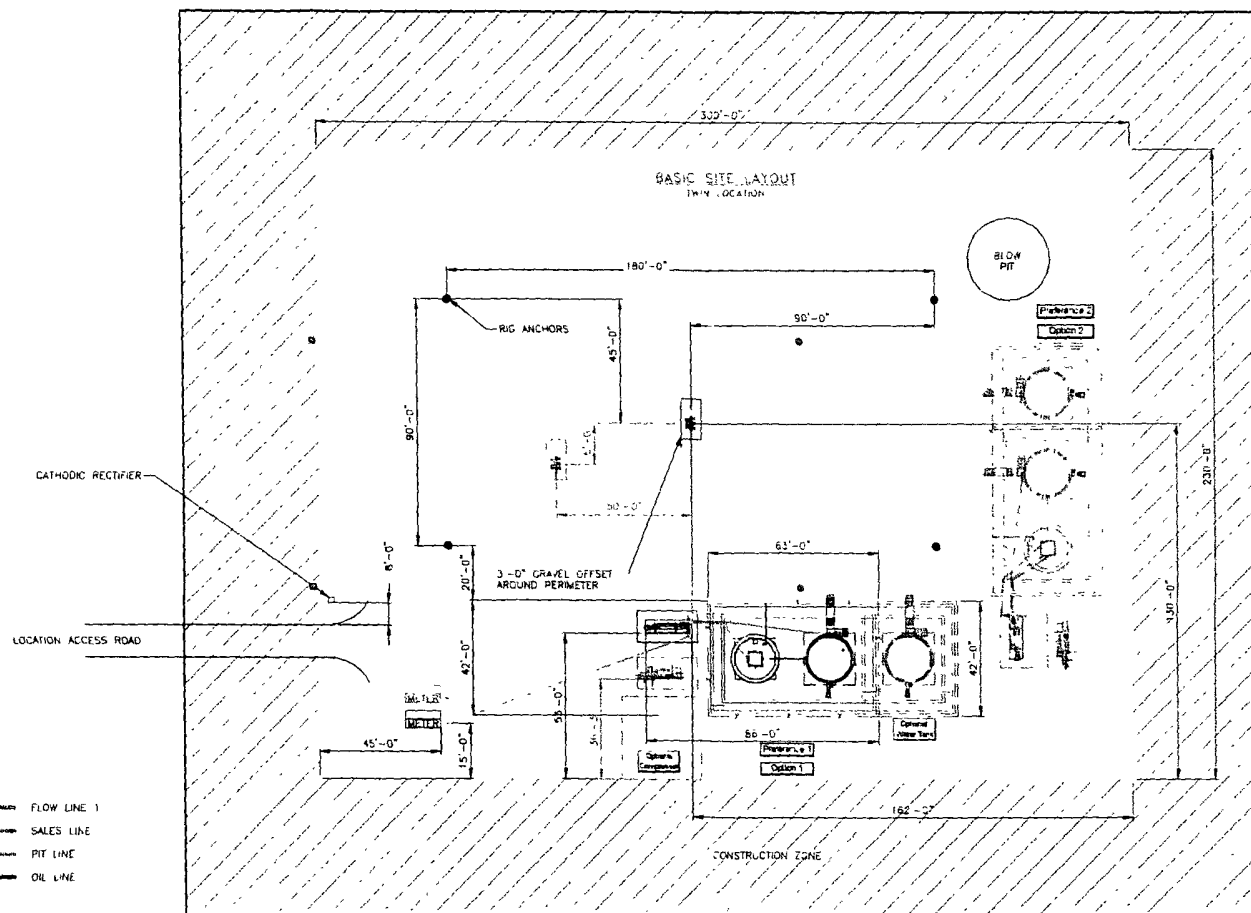
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1316.0	29.88	102.00	1271.4	-52.8	248.3	3.00	102.00	253.9	
4	2580.1	29.88	102.00	2367.6	-183.7	864.3	0.00	0.00	883.6	
5	3576.1	0.00	0.00	3319.0	-236.5	1112.6	3.00	180.00	1137.5	SJ 30-6 #9B - ICP
6	7858.1	0.00	0.00	7601.0	-236.5	1112.6	0.00	0.00	1137.5	SJ 30-6 #9B - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
767.0	771.2	Nacimiento
2030.0	2190.8	Ojo Alamo
2163.0	2344.2	Kirtland
2598.0	2836.8	Fruitland
3113.0	3369.7	Pictured Cliffs
3219.0	3476.1	Lewis
3796.0	4053.1	Huerf. Bent.
4123.0	4380.1	Chacra
4655.0	4912.1	Upper Cliffhouse
4885.0	5142.1	Massive Cliffhouse
4995.0	5252.1	Menefee
5307.0	5564.1	Pt. Lookout
5661.0	5918.1	Mancos Shale
6575.0	6832.1	Gallup
7309.0	7566.1	Greenhorn
7363.0	7620.1	Graneros
7433.0	7690.1	Two Wells
7500.0	7757.1	Paguates
7523.0	7780.1	Upper Cubero
7553.0	7810.1	Lower Cubero
7601.0	7858.1	Encinal
7601.0	7858.1	TD





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		CONOCO-PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT	
NO.	DESCRIPTION	DATE	BY	CHK'D	ENG	DISC	PMU	PROCESS	DISCIPLINE	REVISED	DATE	NO.	DESCRIPTION	DESIGN NO.	APPRO. DATE
								MECHANICAL							
								PIPING							
								ELECTRICAL							
								I & C							
								CIVIL/STRUCTURAL							
								PROJECT							
SAN JUAN BUSINESS UNIT														DRAWN BY: HP3PHASE-REV1 SHEET NO: 1 OF 5	

\\nrcs05\sp\p\B\c\h\A\ndrew\Regulatory\Twin Location Site Layout.dwg 06/28/2007 - 02:35pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #9B

2178' FNL, 2212' FEL

SECTION 30, T-30-N, R-7-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.784994°N LONG.: 107.610911° W

ELEV.: 6224 NAVD88

NO NEW ACCESS

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

- **GO 23.5 MI. EAST ON HWY. 64 TO NAVAJO CITY (MILE MARKER 88.1). TURN LEFT ON HWY. #539 TOWARDS NAVAJO DAM.**
- **GO 2.4 MI. NORTH ON HWY. #539 AND TURN RIGHT JUST PAST GOBERNADOR WASH CROSSING.**
- **GO 0.8 MI. EAST TOWARDS SMITH PASS AND TURN LEFT.**
- **GO 1.1 MI. NORTH TO EXISTING LOCATION TO SAN JUAN 30-6 #9 AND SAN JUAN 30-6 #498R. NEW WELL TWINNED HERE.**