

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 24 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number, Field Office USA NMMN- 111921 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 RCVD JAN 21 08 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Negro Canyon 9. Well Number #1N	
4. Location of Well Surf: Unit M(SWSW), 1254' FSL & 880' FWL Bottomhole: Unit O(SWSE), 1050' FSL & 2360' FEL Surf: Latitude 36.90768 N Longitude 107.63216 W Bottomhole: Latitude 36.90768 N Longitude 107.62643 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) M Surface: Sec. 12, T31N, R8W API # 30-045- 34853	
14. Distance in Miles from Nearest Town 23 miles/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1254'		
16. Acres in Lease 1,241.850	17. Acres Assigned to Well 320.00 Acres (S/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from Negro Canyon 100 FC		
19. Proposed Depth 8496'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6906' GR	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	11/24/08 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY: [Signature]

TITLE

AFM

DATE

1/20/09

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

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD

JAN 29 2009

AV

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

DISTRICT I
1825 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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34853		² Pool Code 71599 / 72319		³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
⁴ Property Code 34287		⁵ Property Name NEGRO CANYON			⁶ Well Number 1 N
⁷ GRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			⁹ Elevation 6906'

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
M	12	31N	8W		1254'	SOUTH	1046'	WEST	SAN JUAN

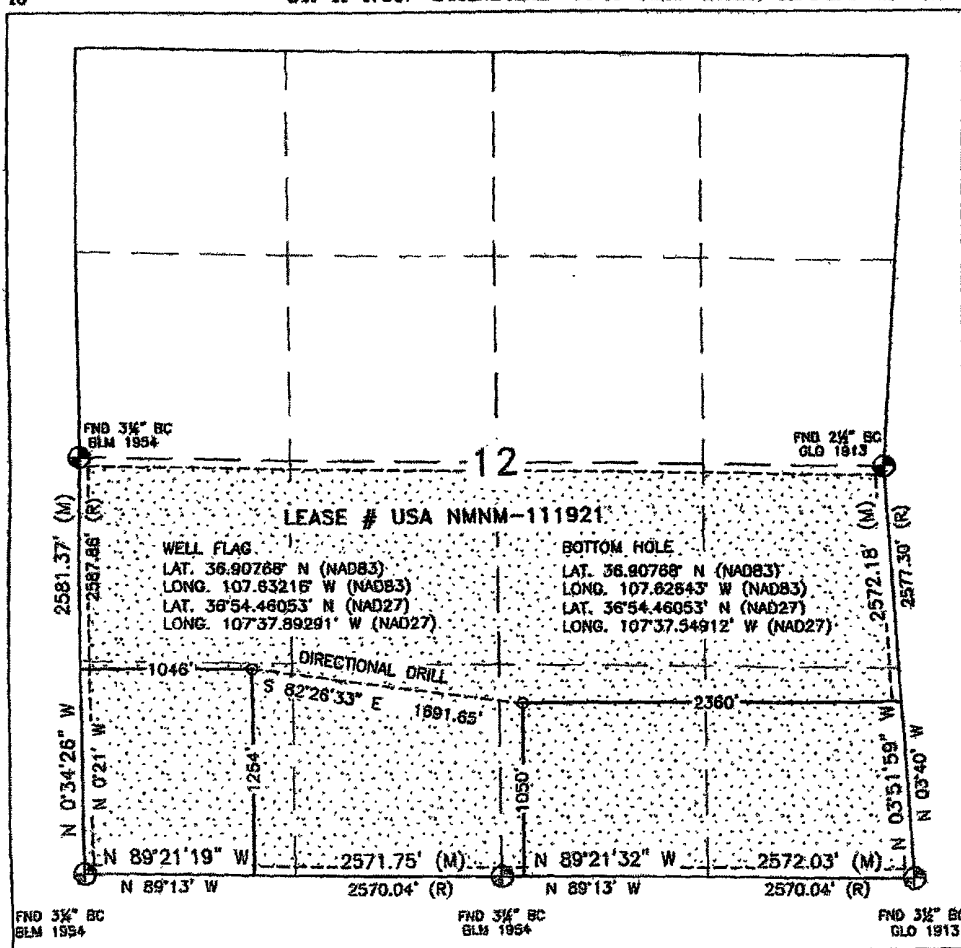
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	12	31N	8W		1050'	SOUTH	2360'	EAST	SAN JUAN

¹² Dedicated Acres 320.00 Acres - (S/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

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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 undivided 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.

Signature: *James Gardenhire* Date: 11/20/08

Printed Name: James Gardenhire

¹⁸ SURVEYOR CERTIFICATION

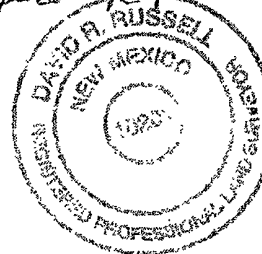
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 17, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

Signature: *David R. Russell*



DAVID RUSSELL

Certificate Number 10201

COMPANY
Charge Code

BURLINGTON RESOURCES

WAN.RFE.PDO7.ML

WELL NAME

NEGRO CANYON # 1 N

DATE

2/1/2008

DUAL WELL

WELL NAME

100

TRIPLE WELL

WELL NAME

100 s

QUAD WELL

WELL NAME

1

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

M 12

31 N

8 W

36.90768 N

107.63216 W

COUNTY

SAN JUAN

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D C CABLES

A C CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

WATER PUMP

COMPRESSOR

RTU

SAMS

TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
60/30	4 NEG			
	X			
# 8	600 FT			
		X	CONOCOPHILLIPS OWNED	
			ON LOC	

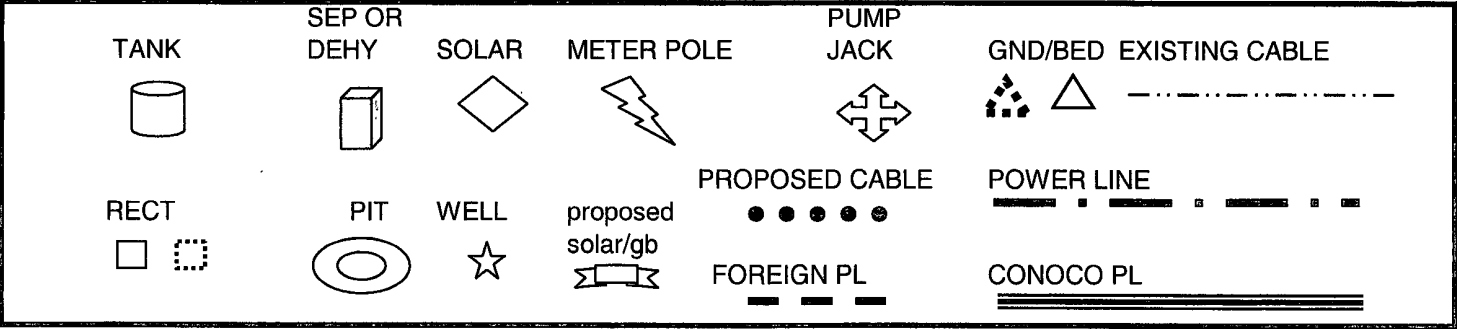
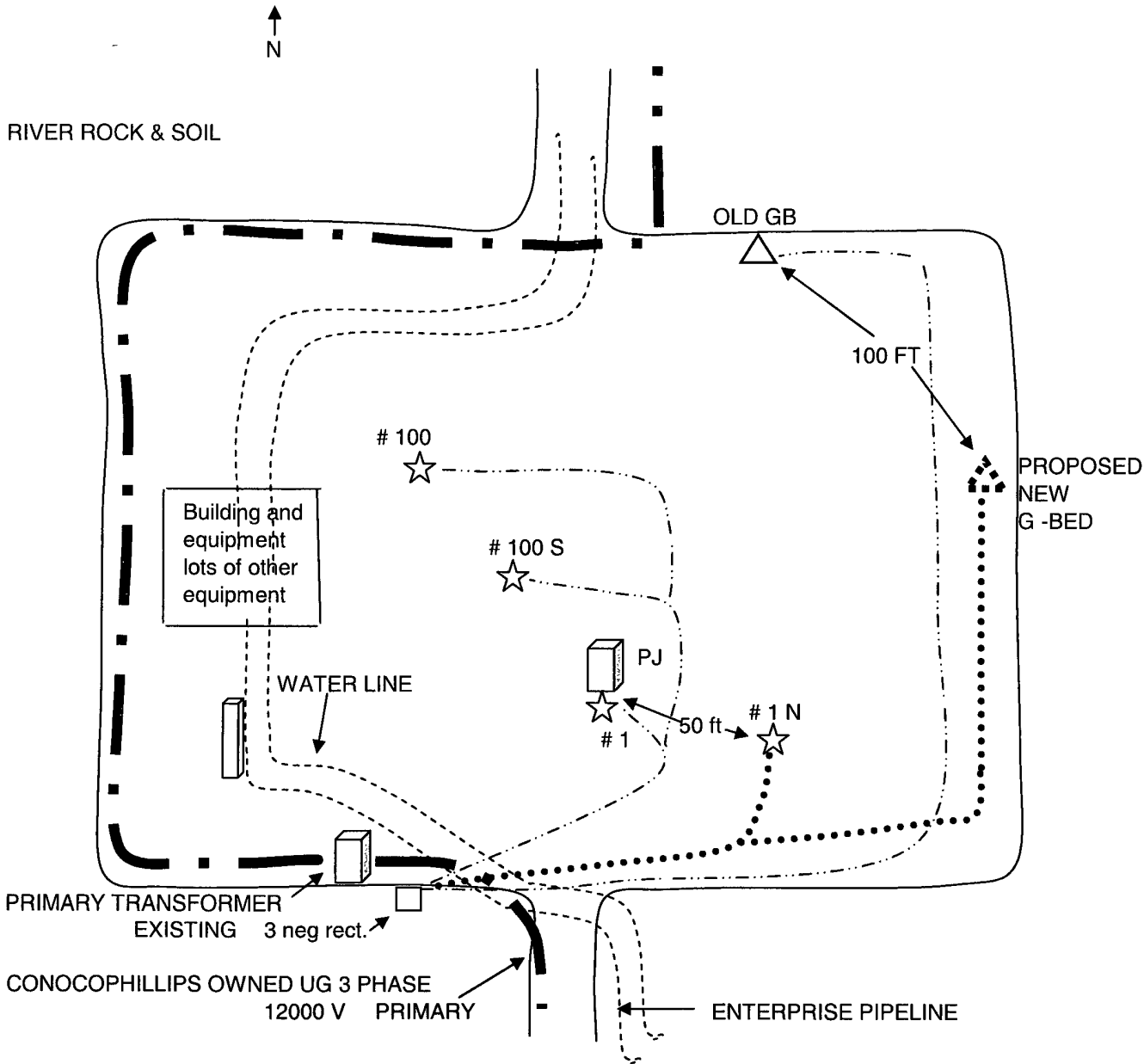
COMMENTS

INSTALL NEW GROUND BED AS NOTED - REMOVE 3 NEG RECTIFIER

INSTALL 4 NEG RECTIFIER - NEG CABLE TO NEW WELL -

NOTE - PRIMARY UNDERGROUND CABLES

WELL NAME
NEGRO CANYON 1 N



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEGRO CANYON 1N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7496				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		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							
Latitude: 36.907676		Longitude: -107.631548		X:	Y:	Section: 12	Range: 008W
Footage X: 1046 FWL		Footage Y: 1254 FSL		Elevation: 6906 (FT)		Township: 031N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.907676		Longitude: -107.625819		X:	Y:	Section: 12	Range: 008W
Footage X: 2360 FEL		Footage Y: 1050 FSL		Elevation: (FT)		Township: 031N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6921 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	6601	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 244 cubic ft. Circulate cement to surface.	
OJO ALAMO	2625	4296	☐				
KIRTLAND	2726	4195	☐				
FRUITLAND COAL	3409	3512	☐				
PICTURED CLIFFS	3805	3116	☐				
LEWIS	3988	2933	☐				
HUERFANITO BENTONITE	4600	2321	☐				
Intermediate Casing	4950	1971	☐			8-3/4" hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1190 cubic ft. Circulate cement to surface.	
CHACRA	4987	1934	☐				
MASSIVE CLIFF HOUSE	5731	1190	☐	375		Gas	
MENEFEE	5826	1095	☐				
MASSIVE POINT LOOKOUT	6126	795	☐				
MANCOS	6546	375	☐				
UPPER GALLUP	7424	-503	☐				
GREENHORN	8157	-1236	☐				
GRANEROS	8214	-1293	☐				
TWO WELLS	8321	-1400	☐	2650		Gas	
PAGUATE	8339	-1418	☐				
UPPER CUBERO	8350	-1429	☐				
LOWER CUBERO	8378	-1457	☐				
ENCINAL	8445	-1524	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEGRO CANYON 1N

DEVELOPMENT

TOTAL DEPTH DK	8496	-1575	☐	6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80, LTC casing. Cement with 485 cubic ft. Circulate cement a minimum of 100' inside previous casing string.
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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
Estimated bottom perf ~20' above the est TD. Mudlog from ~100' above the Greenhorn to TD.	

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

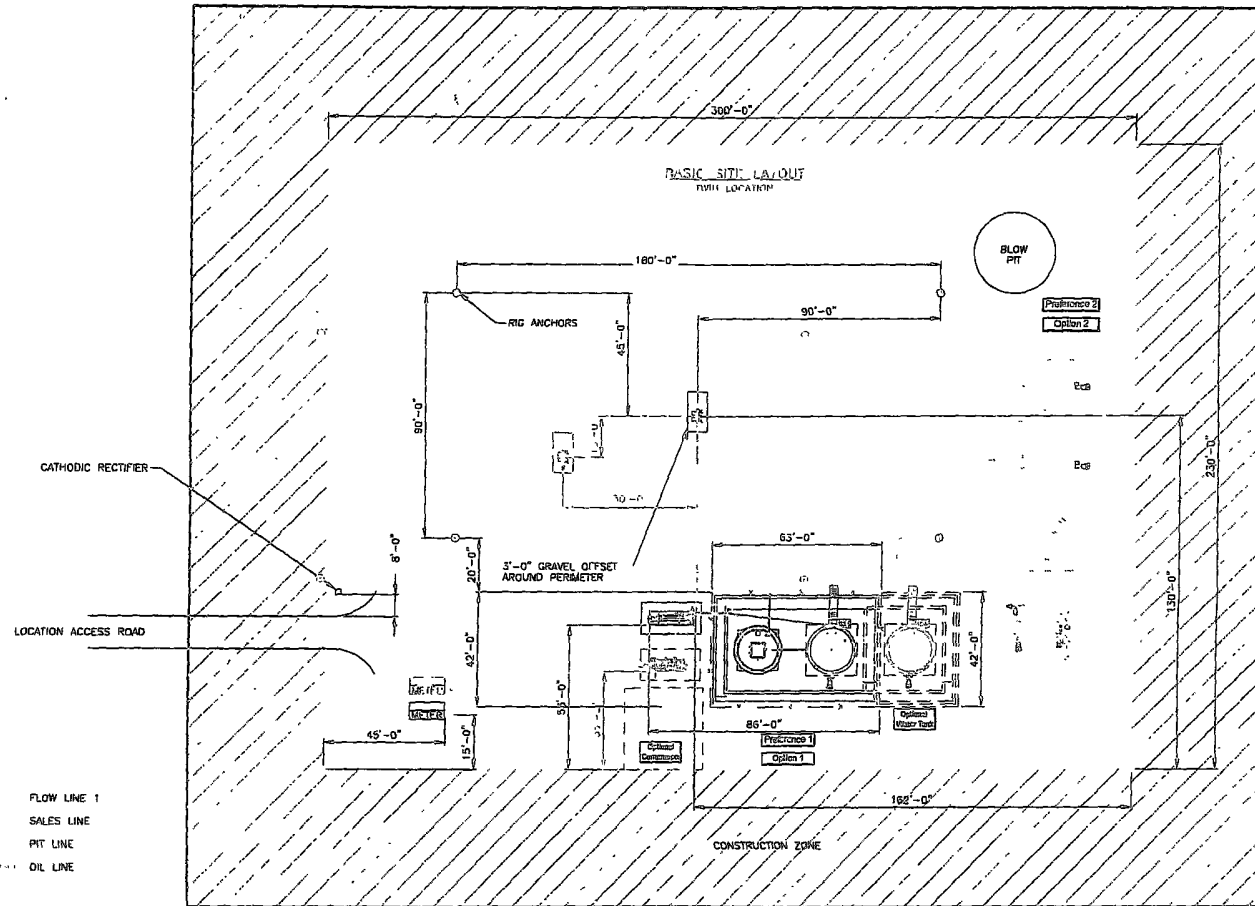
ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Negro Canyon #1N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6921.0ft (Generic Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6921.0ft (Generic Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Negro Canyon #1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Planned		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
320.0	320.0	9 5/8"	9.625	12.250	
5,309.6	4,950.0	7"	7.000	8.750	
8,855.6	8,496.0	4 1/2"	4.500	6.250	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction	
2,778.3	2,625.0	Ojo Alamo		0.00		
2,891.4	2,726.0	Kirtland		0.00		
3,655.6	3,409.0	Fruitland Coal		0.00		
4,098.6	3,805.0	Pictured Cliffs		0.00		
4,303.4	3,988.0	Lewis		0.00		
4,957.6	4,600.0	Huerfano Bentonite		0.00		
5,346.6	4,987.0	Chacra		0.00		
6,090.6	5,731.0	Massive Cliff House		0.00		
6,185.6	5,826.0	Menefee		0.00		
6,485.6	6,126.0	Massive Point Lookout		0.00		
6,905.6	6,546.0	Mancos		0.00		
7,783.6	7,424.0	Gallup		0.00		
8,516.6	8,157.0	Greenhorn		0.00		
8,573.6	8,214.0	Graneros		0.00		
8,680.6	8,321.0	Two Wells		0.00		
8,698.6	8,339.0	Paguate		0.00		
8,709.6	8,350.0	Upper Cubero		0.00		
8,737.6	8,378.0	Lower Cubero		0.00		
8,804.6	8,445.0	Encinal		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			CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT					
										NO.	DATE	REVIEWED	DATE	NO.							DESCRIPTION		
										PROCESS													
										TECHNICAL													
										PIPING													
										ELECTRICAL													
										I & C													
										CIVIL/STRUCTURAL													
										PROJECT													
DESCRIPTION										DATE	BY	CHK'D	CHK	DISC	PRJ	SAN JUAN BUSINESS UNIT					CUSTOMER No.	CUSTOMER A/P/NL	ACFD DATE
																					CUSTOMER PHONE	CREATION DATE	04/20/07
																					DWG. TO -		
																					HP3PHASE-REV1	SHEET NO.	1 of 3

Project: San Juan Business Unit Facility Diagram- Site Layout Date: 06/28/2007 - 02:39pm

CLIENT No.	CLIENT APPR.	ACFID DATE
DRAWN BY	SCALE: NONE	CHECKED DATE: 6/28/07
DATE: 6/28/07	HP3PHASE-REV1	SHEET NO. 1 OF 5

BURLINGTON RESOURCES O&G CO LP

NEGRO CANYON # 1 N

1254' FSL & 1046' FWL

LOCATED IN THE SW/4 SW/4 OF SECTION 12,

T31N, R8W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 511 AT MP 20.5, GO NORTH EASTERLY, 0.7 MILES
- 2) TURN LEFT, GO 0.6 MILES TO TOP OF HILL.
- 3) TURN LEFT, GO 0.8MILES TO LOCATION.

WELL FLAG LOCATED AT LAT. 36.90768°N LONG. 107.63216°W (NAD 83)

JOB No.: COPC152
DATE: 01/30/08



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637