

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 24 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK
Farmington Field Office

NOV 23 2008
BLM
DIST. 3

1a. Type of Work DRILL	5. Lease Number USA NM-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	
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 #5M	
4. Location of Well Surf: Unit L (NWSW), 2364' FSL & 1115' FWL Bottomhole: Unit D (NWNW), 1250' FNL & 1070' FWL Surf: Latitude 36.91074 N Longitude 107.63274 W Bottomhole: Latitude 36.91500 N Longitude 107.632706° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) L. Surface: Sec. 12, T31N, R8W Bottomhole: Sec. 12, T31N, R8W API # 30-045-34855	
14. Distance in Miles from Nearest Town 34 miles/Blanco, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1070'	17. Acres Assigned to Well 320.00 Acres (N/2)	
16. Acres in Lease 1,241.850		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 100' from BR Negro Canyon 101S FC		
19. Proposed Depth 8508' TUD 8943' TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6905' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>11/20/08</u> Date	

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

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

Hold C104
for Directional Survey
and "As Drilled" Plat

DEC 22 2008

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT I
1625 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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34855	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code -14287 34287	⁵ Property Name NEGRO CANYON	⁶ Well Number 5 M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6905'

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
L	12	31N	8W		2364'	SOUTH	1115'	WEST	SAN JUAN

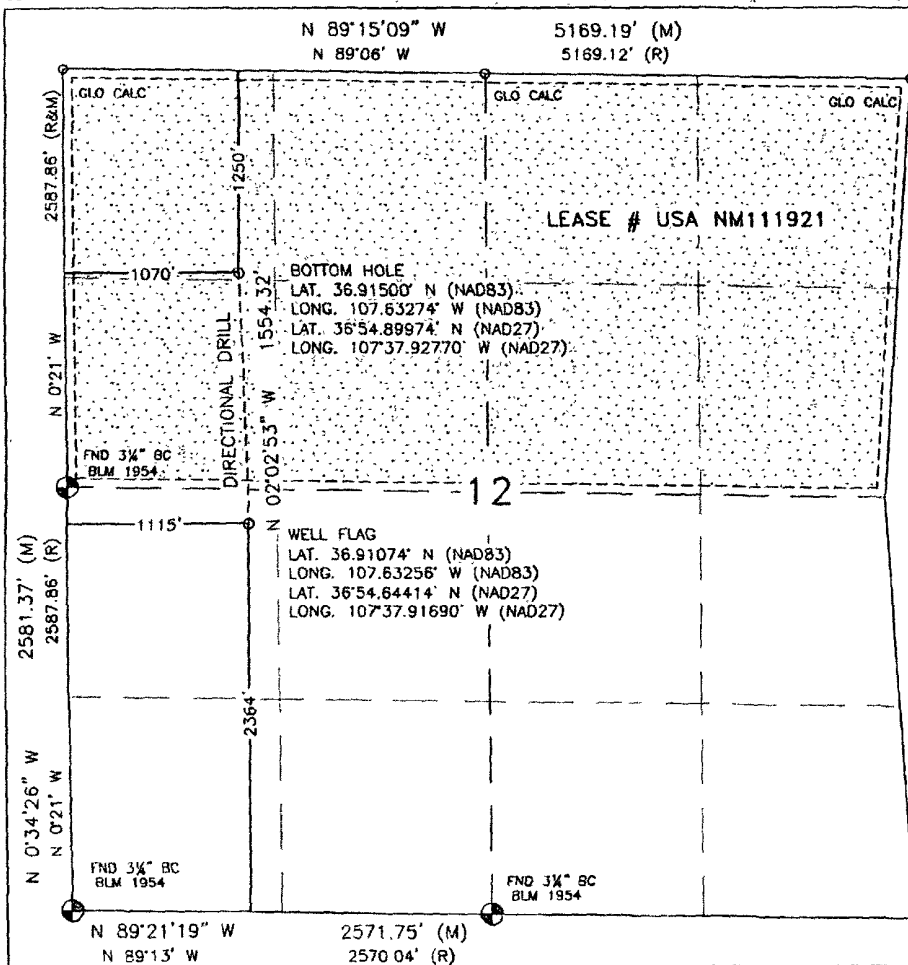
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	31N	8W		1250'	NORTH	1070'	WEST	SAN JUAN

¹² Dedicated Acres 320.00 Acres - (N/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 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.

Sasha Spangler
Signature Date

Sasha Spangler 2-14-08
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.

APRIL 26, 2006

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell
DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL
Certificate Number 10201

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PDO7.MN

WELL NAME

NEGRO CANYON # 5 M

DATE

2/14/2008

DUAL WELL

WELL NAME

NEGRO CANYON # 101 S

TRIPLE WELL

WELL NAME

Negro Canyon # 101

Quad well

WELL NAME

Negro Canyon # 5

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

L 12

31 N

8 W

36.91074 N

107.63256 W

COUNTY

SAN JUAN

RECTIFIER

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

60/30

x

46/16

SOLARGROUND BED

x

240 V METER POLE480 V METER POLED C CABLES

8

700 ft

A C CABLESPRIMARY POWERDISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMP

x

CONOCO/PHILLIPS owned

COMMENTS

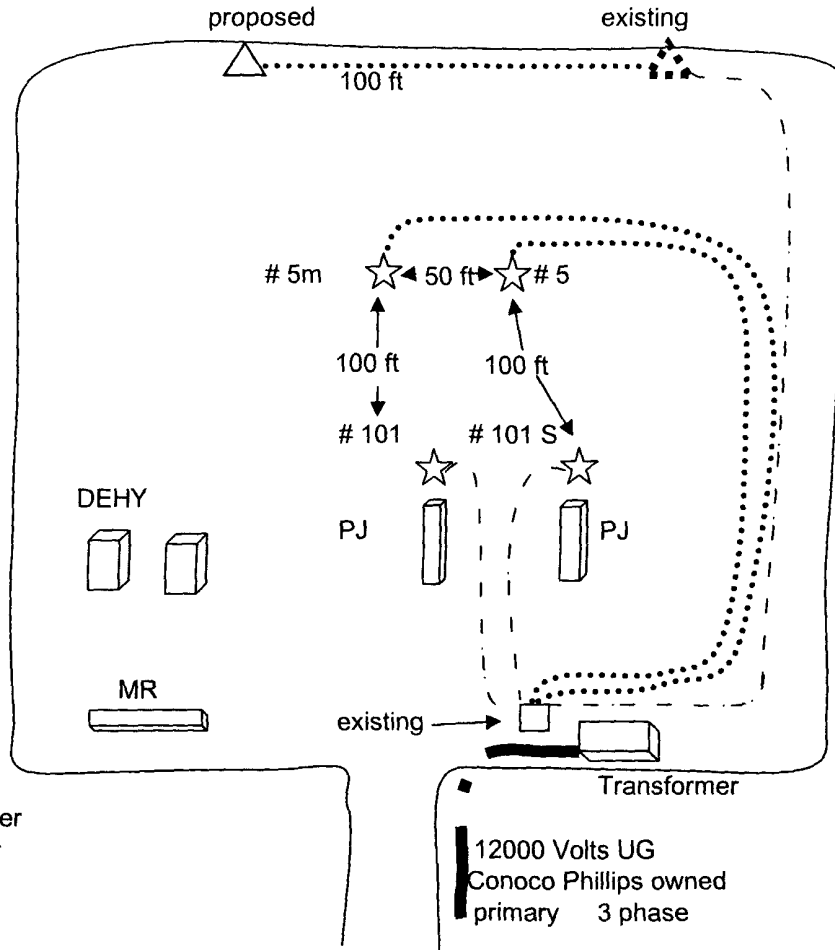
CONOCO/PHILLIPS 3 PHASE UG PRIMARY ON LOC

REMOVE 2 NEG RECTIFIER - INSTALL 4 NEG RECTIFIER - INSTALL NEW Ground

Bed - river rocks on loc. - install negatives and Positive cables

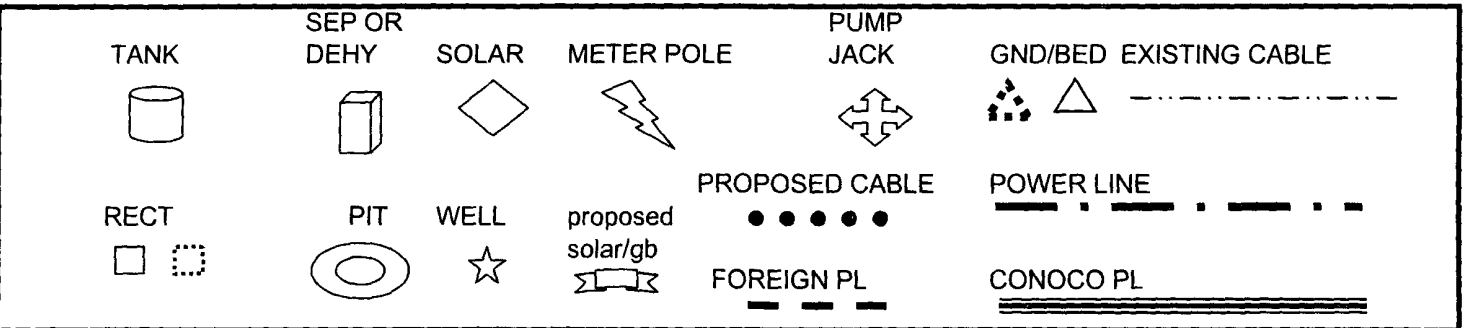
WELL NAME

NEGRO CANYON # 5 M



remove 2 neg rectifier
install 4 neg rectifier

river rock area



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEGRO CANYON 5M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7498				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: Prabowo, Wahvu		Phone: +1-505-326-9797		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							
Latitude: 36.910736		Longitude: -107.631948		X:	Y:	Section: 12	Range: 008W
Footage X: 1115 FWL		Footage Y: 2364 FSL		Elevation: 6905 (FT)		Township: 031N	
Tolerance:							
Location: Bottom of Hole Datum Code: NAD 27							
Latitude: 36.914996		Longitude: -107.632128		X:	Y:	Section: 12	Range: 008W
Footage X: 1070 FWL		Footage Y: 1250 FNL		Elevation: (FT)		Township: 031N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6920		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Total Depth	0	6920	☐				
Surface Casing	215	6705	☐			12-1/4" hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 170 cubic ft. Circulate cement to surface.	
OJO ALAMO	2626	4294	☐				
KIRTLAND	2727	4193	☐				
FRUITLAND COAL	3410	3510	☐				
PICTURED CLIFFS	3807	3113	☐				
LEWIS	3988	2932	☐				
Intermediate Casing	4500	2420	☐			8-3/4" hole. 7", 23 ppf, L-80, LTC Casing. Cement with 1088 cubic ft. Circulate cement to surface.	
HUERFANITO BENTONITE	4598	2322	☐				
CHACRA	4985	1935	☐				
MASSIVE CLIFF HOUSE	5730	1190	☐	375		Gas	
MENEFEE	5825	1095	☐				
MASSIVE POINT LOOKOUT	6128	792	☐				
MANCOS	6545	375	☐				
UPPER GALLUP	7426	-506	☐				
GREENHORN	8160	-1240	☐				
GRANEROS	8215	-1295	☐				
TWO WELLS	8321	-1401	☐	2650		Gas	
PAGUATE	8341	-1421	☐				
UPPER CUBERO	8351	-1431	☐				
LOWER CUBERO	8382	-1462	☐				
ENCINAL	8457	-1537	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

NEGRO CANYON 5M

DEVELOPMENT

4.5"

TOTAL DEPTH DK	8508	-1588	☐	6-1/4" hole. 11.6" 11.6 ppf, L-80, LTC casing. Cement with 547 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Est bottom perf ~20' above the est TD. Mud log from ~100' above the Greenhorn to TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Negro Canyon #5M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6920 0ft (Generic Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6920 0ft (Generic Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Negro Canyon #5M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Principal		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
215 0	215 0	9 5/8"	9 625	12 250	
4,934 6	4,600 0	7"	7 000	8.750	
8,842 6	8,508 0	4 1/2"	4 500	6 250	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,799 5	2,626 0	Ojo Alamo		0 00		
2,913 4	2,727 0	Kirtland		0 00		
3,683 3	3,410 0	Fruitland Coal		0 00		
4,125 4	3,807 0	Pictured Cliffs		0 00		
4,316 3	3,988 0	Lewis		0 00		
4,932 6	4,598 0	Huerfano Bentonite		0 00		
5,319 6	4,985 0	Chacra		0 00		
6,064 6	5,730 0	Massive Cliff House		0 00		
6,159 6	5,825 0	Menefee		0 00		
6,462 6	6,128 0	Massive Point Lookout		0 00		
6,879 6	6,545 0	Mancos		0 00		
7,760 6	7,426 0	Gallup		0 00		
8,494 6	8,160 0	Greenhorn		0 00		
8,549 6	8,215 0	Graneros		0 00		
8,655 6	8,321 0	Two Wells		0 00		
8,675 6	8,341 0	Paguate		0 00		
8,685 6	8,351 0	Upper Cubero		0 00		
8,716 6	8,382 0	Lower Cubero		0 00		
8,791 6	8,457 0	Encinal		0 00		

BURLINGTON RESOURCES O&G CO LP

NEGRO CANYON #5 M
2364' FSL & 1115' FWL
LOCATED IN THE NW/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 NORTHEASTERLY 0.7 MILES.
- 2) STAY LEFT AND GO 0.7 MILES TO TOP OF HILL.
- 3) TURN LEFT, GO 1.0 MILES TO LOCATION.

WELL FLAG LOCATED AT LAT. 36.91074°N LONG. 107.63256°W (NAD 83)

