

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 12 2008

Bureau of Land Management
Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 #5	
4. Location of Well Surf: Unit L(NWSW), 2345' FSL & 1125' FWL Bottomhole: Unit G(SWNE), 1875' FNL & 2390' FEL Surf: Latitude 36.91069° N Longitude 107.63253° W Bottomhole: Latitude 36.91322° N Longitude 107.62731° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) L Surf: Sec. 12, T31N, R8W G Bottomhole: Sec. 12, T31N, R8W API # 30-045-34717	
14. Distance in Miles from Nearest Town 38 miles/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1125'	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 86' from Negro Canyon 101S	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 8503'		
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>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	5-12-08 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.

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

Bond Numbers NMB-000015 and NMB-000089

Hold C104

for Directional Survey and "As Drilled" plat

NMOCD

DEC 22 2008

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".

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

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

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

MAY 19 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr. Farmington Field Office
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 30-045-34717		2 Pool Code 71599/72319		3 Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
4 Property Code 14287 3/287		5 Property Name NEGRO CANYON			6 Well Number 5
7 OGRID 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		2345'	SOUTH	1125'	WEST	SAN JUAN

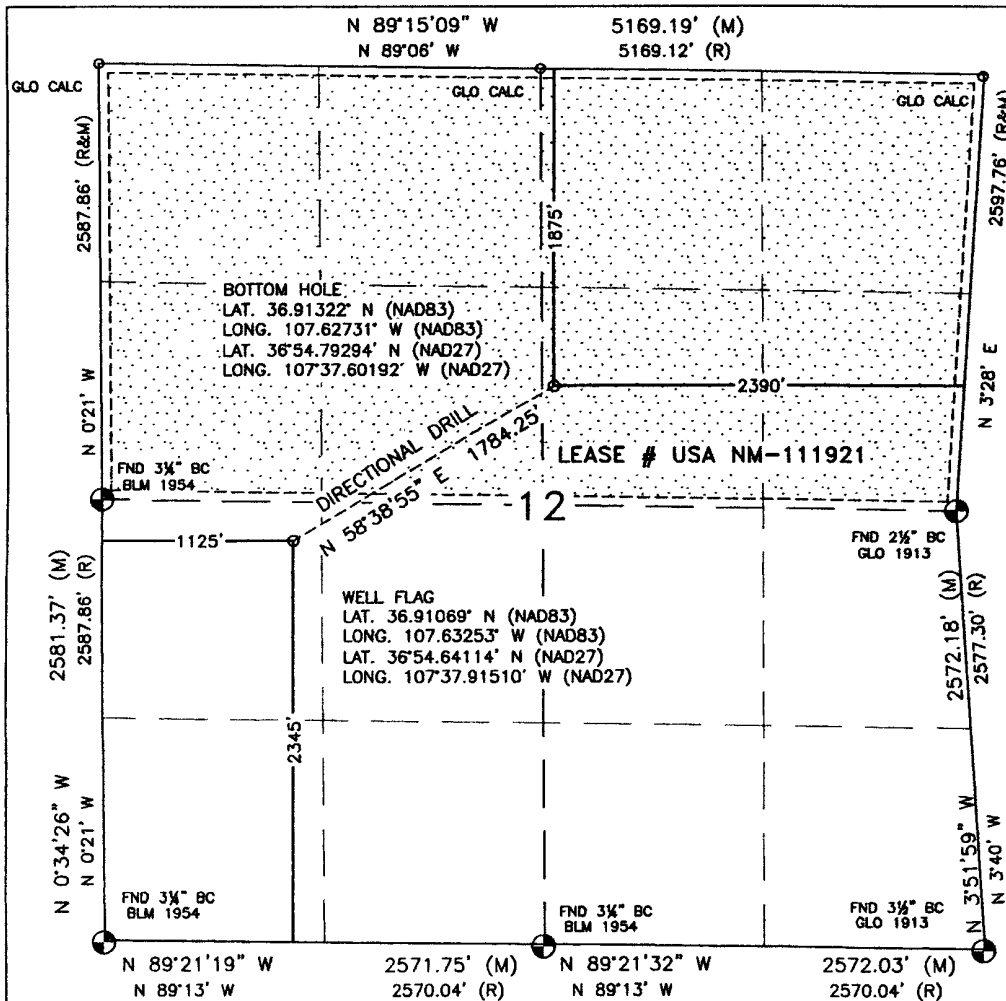
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	12	31N	8W		1875'	NORTH	2390'	EAST	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

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 or a compulsory pooling order heretofore entered by the division.

Crystal Walker 2/20/08
Signature Date

Crystal Walker 2-20-08
Printed Name

18 SURVEYOR CERTIFICATION

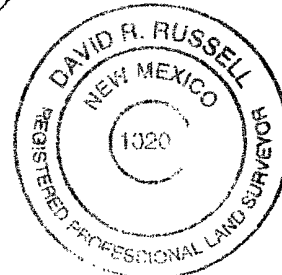
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 30, 2008

Date of Survey

Signature and Seal of Professional Surveyor

David R. Russell



DAVID RUSSELL

Certificate Number

10201

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PDO7.MN

WELL NAME

NEGRO CANYON # 5

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 M

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 POWER

x

CONOCO/PHILLIPS owned

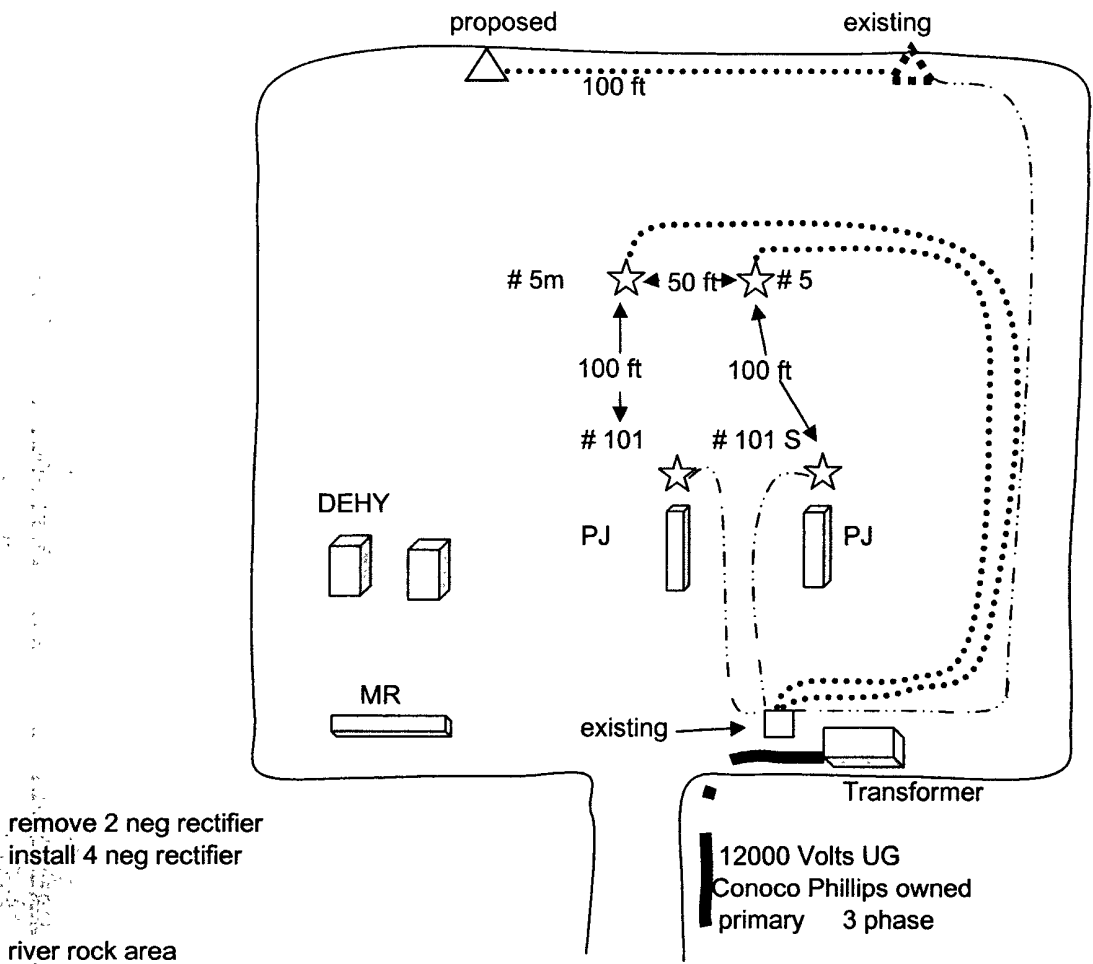
DISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMP**COMMENTS**

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



remove 2 neg rectifier
install 4 neg rectifier

river rock area

TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED	EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE	
			FOREIGN PL	CONOCO PL		

BURLINGTON RESOURCES O&G CO LP

2345 NEGRO CANYON #5 M *1125*
2384 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)

JOB No: COPC149
DATE: 02/07/08



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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEGRO CANYON 5

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7497		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	

Primary Objective (Zones):	
Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27			
Latitude: 36.910686	Longitude: -107.631918	X:	Y:	Section: 12	Range: 008W
Footage X: 1125 FWL	Footage Y: 2345 FSL	Elevation: 6905	(FT)	Township: 031N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27			
Latitude: 36.913216	Longitude: -107.626699	X:	Y:	Section: 12	Range: 008W
Footage X: 2390 FEL	Footage Y: 1875 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
Surface Casing	320	6600	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 244 cubic feet. Circulate cement to surface.
OJO ALAMO	2626	4294	☐			
KIRTLAND	2727	4193	☐			
FRUITLAND COAL	3410	3510	☐			
PICTURED CLIFFS	3807	3113	☐			
LEWIS	3988	2932	☐			
HUERFANITO BENTONITE	4600	2320	☐			
CHACRA	4987	1933	☐			
Intermediate Casing	5200	1720	☐			8-3/4" hole. 7", 23 ppf, L-80, LTC casing. Cement with 1250 cubic feet. Circulate cement to surface.
MASSIVE CLIFF HOUSE	5732	1188	☐	375		Gas
MENEFEE	5825	1095	☐			
MASSIVE POINT LOOKOUT	6128	792	☐			
MANCOS	6545	375	☐			
UPPER GALLUP	7426	-506	☐			
GREENHORN	8159	-1239	☐			
GRANEROS	8217	-1297	☐			
TWO WELLS	8323	-1403	☐	2650		Gas
PAGUATE	8343	-1423	☐			
UPPER CUBERO	8352	-1432	☐			
LOWER CUBERO	8382	-1462	☐			
ENCINAL	8452	-1532	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEGRO CANYON 5

DEVELOPMENT

TOTAL DEPTH DK 8503 -1583 ☐

6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 452 cubic feet. Circulate cement a minimum of 100' inside the previous casing string.

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
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Negro Canyon #5
Wellbore: Principal
Design: Plan #1

Local Co-ordinate Reference: Well Negro Canyon #5
TVD Reference: RKB @ 6920 0ft (Generic Rig)
MD Reference: RKB @ 6920 0ft (Generic Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations							
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)		
2,774.3	2,626.0	Ojo Alamo		0.00			
2,886.7	2,727.0	Kirtland		0.00			
3,647.0	3,410.0	Fruitland Coal		0.00			
4,088.9	3,807.0	Pictured Cliffs		0.00			
4,290.4	3,988.0	Lewis		0.00			
4,401.7	4,088.0	Huerfano Bentonite		0.00			
4,963.9	4,600.0	Chacra		0.00			
5,360.8	4,987.0	Massive Cliff House		0.00			
6,199.2	5,825.0	Mancos		0.00			
7,800.2	7,426.0	Upper Gallup		0.00			
8,533.2	8,159.0	Greenhorn		0.00			
8,591.2	8,217.0	Graneros		0.00			
8,697.2	8,323.0	Two Wells		0.00			
8,717.2	8,343.0	Paguate		0.00			
8,726.2	8,352.0	Upper Cubero		0.00			
8,756.2	8,382.0	Lower Cubero		0.00			
8,826.2	8,452.0	Encinal		0.00			

BURLINGTON RESOURCES O&G CO LP

NEGRO CANYON #5
2345' FSL & 1125' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 12,
T31N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

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