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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 04 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Farmington Field Office
Bureau of Land Management

1a. Type of Work
DRILL

5. Lease Number
I-149-1ND-8473

1b. Type of Well
GAS

6. Unit Reporting Number
NMNM-78 394B-DK NMNM-78394B-M

6. If Indian, All. or Tribe

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

2. Operator
BURLINGTON
RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name
Huerfanito Unit

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499

(505) 326-9700

8. Farm or Lease Name
RCVD APR 17 '12

9. Well Number
82N OIL CONS. DIV.
DIST. 3

4. Location of Well
Surface: Unit M(SWSW), 200' FSL & 855' FWL

10. Field, Pool, Wildcat
Blanco MV / Basin DK

Surface: Latitude: 36.53936° N (NAD83)
Longitude: 107.74617° W

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 25, T27N, R9W
API # 30-045-35310

14. Distance in Miles from Nearest Town
35 miles from Bloomfield

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
200'

16. Acres in Lease

17. Acres Assigned to Well
320.0 (W/2)

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
1360' Huerfanito Unit #82 (MV/DK)

19. Proposed Depth
6764'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6277' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Arleen Kellywood (Staff Regulatory Tech) 7/29/11 Date

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE AFM DATE 4/9/12

Archaeological Report attached A gas recovery unit may or may not be used on this location.

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

APR 19 2012 ca

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

NMOCDA

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

NOTIFY AZTEC OCD 24 HRS PRIOR TO CASING & CEMENT

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

pc

RECEIVED

AUG 04 2011

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Farmington Field Office Form C-102
Bureau of Land Management Revised July 10, 2010

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit one copy to appropriate district office

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35310	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7138	⁵ Property Name HUERFANITO UNIT	
⁶ Well Number 82 N	⁷ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	
⁸ OGRID No. 14538	⁹ Elevation 6277'	

¹⁰ Surface Location

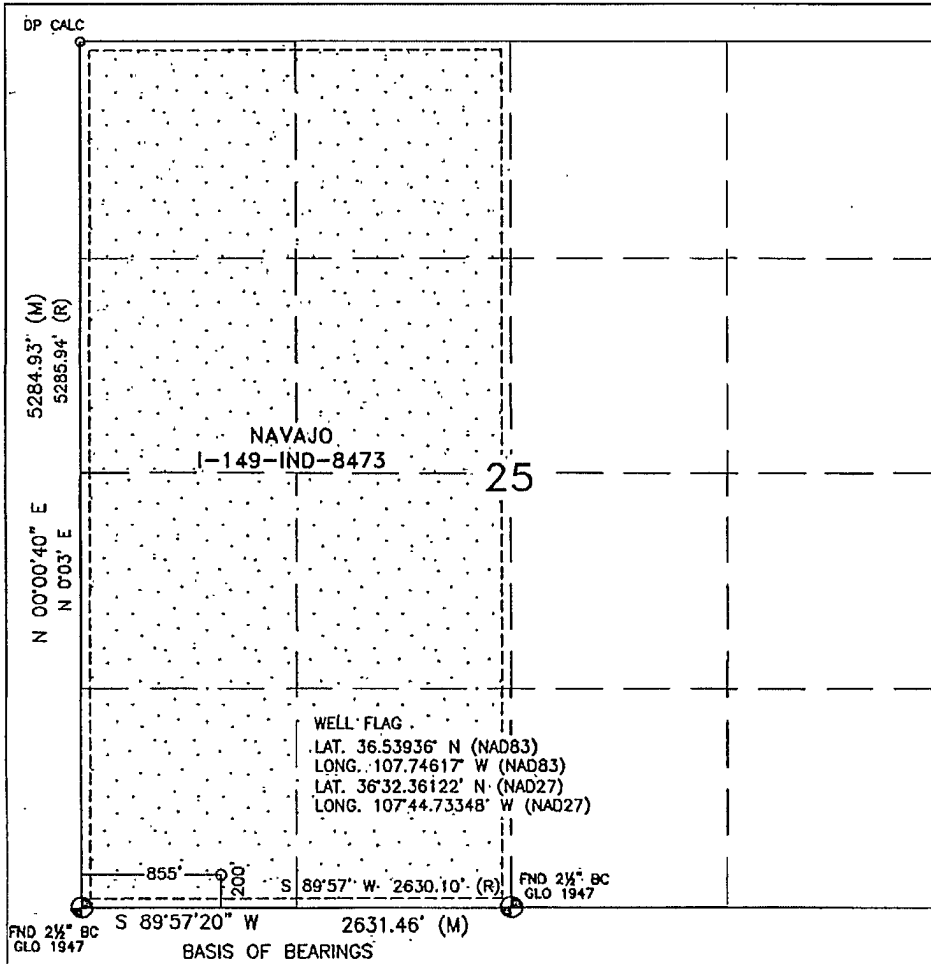
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	27N	9W		200'	SOUTH	855'	WEST	SAN JUAN

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
M									
¹² Dedicated Acres 320.0 Acres - (W/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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 of such a mineral working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Brandie Blakley 10-17-10
Signature Date

Brandie Blakley
Printed Name

blaklbn@conocophillips.com
E-mail Address

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.

SEPTEMBER 10, 2010

Date of Survey

Signature and Seal of Professional Surveyor:

DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 82N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8290			AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		State: NM	County: SAN JUAN	
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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 Straight Hole						
Latitude: 36.539351		Longitude: -107.745557		X:	Y:	Section: 25
Footage X: 855 FWL		Footage Y: 200 FSL		Elevation: 6277 (FT)		Township: 027N
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6292 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
NACIMIENTO	15	6277		<input type="checkbox"/>		
Surface Casing	200	6092		<input type="checkbox"/>		54
OJO ALAMO	1296	4996		<input type="checkbox"/>		
KIRTLAND	1433	4859		<input type="checkbox"/>		
FRUITLAND	1769	4523		<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	2159	4133		<input type="checkbox"/>	391	94
LEWIS	2227	4065		<input type="checkbox"/>		
HUERFANITO BENTONITE	2628	3664		<input type="checkbox"/>		
CHACRA	3049	3243		<input type="checkbox"/>		
UPPER CLIFF HOUSE	3746	2546		<input type="checkbox"/>		127 Gas
MASSIVE CLIFF HOUSE	3748	2544		<input type="checkbox"/>	811	Gas
MENEFEE	3804	2488		<input type="checkbox"/>		
Intermediate Casing	3955	2337		<input type="checkbox"/>		
POINT LOOKOUT	4453	1839		<input type="checkbox"/>		141
MANCOS	4821	1471		<input type="checkbox"/>		
UPPER GALLUP	5620	672		<input type="checkbox"/>		
GREENHORN	6447	-155		<input type="checkbox"/>		
GRANEROS	6493	-201		<input type="checkbox"/>		183
TWO WELLS	6535	-243		<input type="checkbox"/>	2176	Gas
PAGUATE	6602	-310		<input type="checkbox"/>		Gas
LOWER CUBERO	6655	-363		<input type="checkbox"/>		
Total Depth	6764	-472		<input type="checkbox"/>		188
OAK CANYON	6765	-473		<input type="checkbox"/>		

PROJECT PROPOSAL - New Drill / Sidetrack

HUERFANITO UNIT 82N

DEVELOPMENT

ENCINAL	6783	-491	<input type="checkbox"/>	Gas - Wet zone & P&A DK in Huerfanito 90E (26n 9w 1).
BURRO CANYON	6803	-511	<input type="checkbox"/>	
MORRISON	6840	-548	<input type="checkbox"/>	190

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

GR CBL.
Mudlog ~100' above Gallup down to TD.
Mudlogger will call TD.
Bottom perf ~20' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

HUERFANITO UNIT #82 N

200' FSL & 855' FWL

LOCATED IN THE SW/4 SW/4 OF SECTION 25,
T27N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 64 IN BLOOMFIELD, NM, GO SOUTH ON HWY. 550 FOR 22 MILES TO C.R. 7425.
- 2) TURN LEFT ONTO C.R. 7425 & TRAVEL EASTERLY FOR 6.2 MILES TO C.R. 7007.
- 3) TURN LEFT ONTO C.R. 7007, AND TRAVEL NORTH FOR 5.9 MILES.
- 4) TURN LEFT AND TRAVEL 0.5 MILES TO THE BEGIN ACCESS ON THE RIGHT.
- 5) FOLLOW STAKED ACCESS ALONG PIPELINE R/W, 609' TO THE PROPOSED WELL PAD.

WELL FLAG LOCATED AT LAT. 36.53936° N, LONG. 107.74617° W (NAD 83)..

JOB No.: COPC212_REV2

DATE: 09/15/10

3rd Staking



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