

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK JUN 24 2011

1a. Type of Work DRILL	5. Lease Number USA SF-0783562 Unit Reporting Number NMMN 783940 (FRL)	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
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 9. Well Number 176S	
4. Location of Well Surface: Unit C (NENW), 740' FNL & 1450' FWL Surface: Latitude: 36.551424° N (NAD83) Longitude: 107.762013° W	10. Field, Pool, Wildcat Basin FC / S. Blanco PC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 26, T27N, R9W API # 30-045- 35293	
14. Distance in Miles from Nearest Town 32 miles from Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 740'	17. Acres Assigned to Well 320.0 acres W/2 FC 160.0 acres NW/4 PC	
16. Acres in Lease 320.000		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2260' from Huerfanito Unit 89 (DK)		
19. Proposed Depth 2423'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6322' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	<u>6/23/11</u> 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 2

Bond Numbers NMB-000015 and NMB-000089

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

JUL 25 2011

NMOCD

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".

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.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35293		² Pool Code 71629/72439	³ Pool Name S. Blanco BASIN FRUITLAND COAL/PICTURED CLIFF
⁴ Property Code 7138	⁵ Property Name HUERFANITO UNIT		⁶ Well Number 176S
⁷ OGRD No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6322'

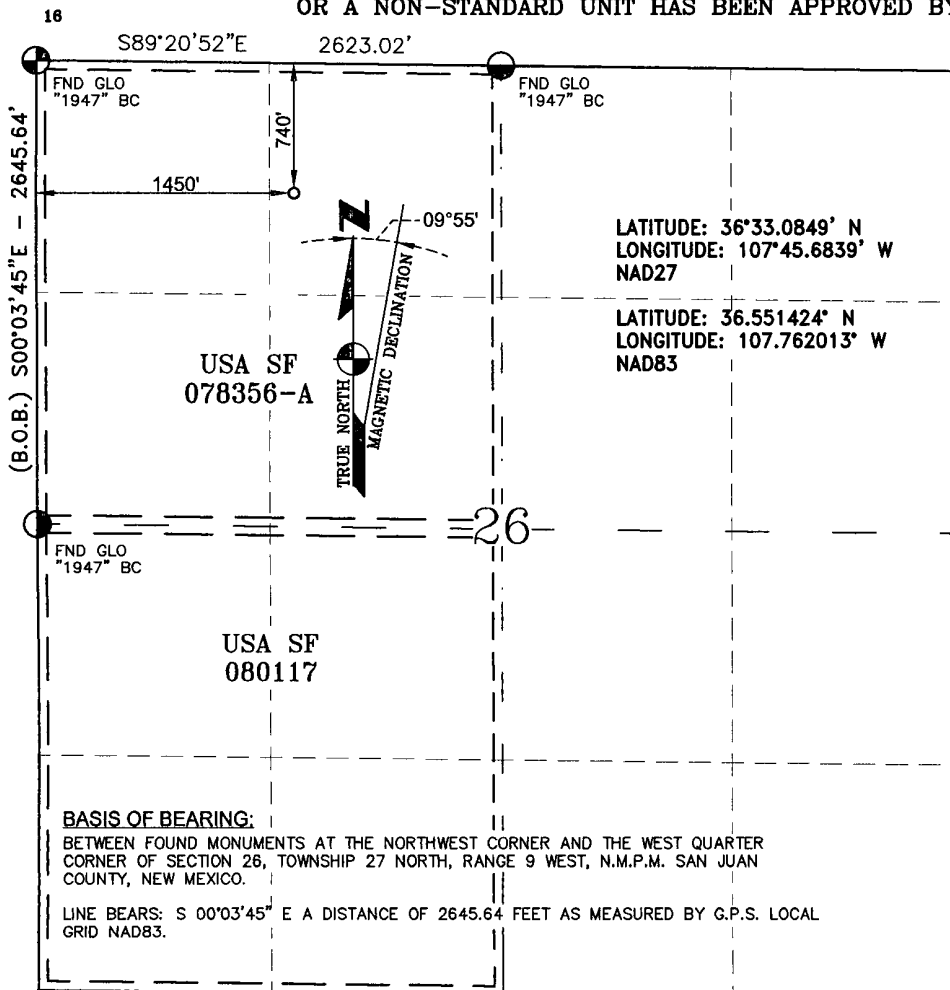
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	26	27-N	9-W		740'	NORTH	1450	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
								RCVD JUL 14 11	
¹² Dedicated Acres FC 320.0 ACRES W/2 PC 160.0 ACRES NW/4			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. OIL CONS. DIV. DIST. 3		

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

Arleen Kellywood 7/11/11

Signature Date

Arleen Kellywood

Printed Name

arleen.r.kellywood@conocophilips.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.

Feb. 10, 2011
Date of Survey



GLEN W. RUSSELL
Certificate Number 15703

Incorrect Pool name/code

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35293	² Pool Code 71629/77200	³ Pool Name Fulcher Kutz BASIN FRUITLAND COAL/PICTURED CLIFF
⁴ Property Code 7138	⁵ Property Name HUERFANITO UNIT	
⁷ GRID No. 14538	⁶ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁸ Well Number 176S ⁹ Elevation 6322'

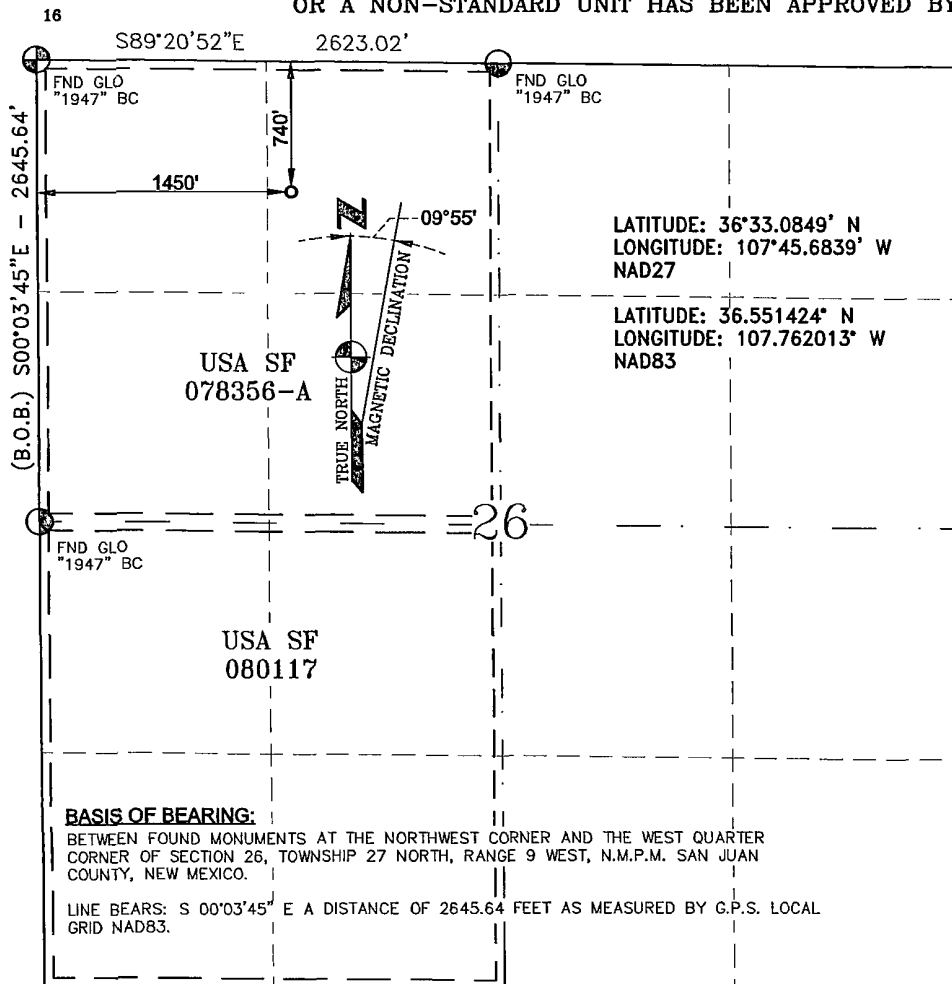
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Brandie Blakley 2/28/11
Signature Date
Brandie Blakley
Printed Name
blaklbn@conocophillips.com
E-mail Address

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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.

Feb. 10, 2011
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

107°46'00" W

107°45'00" W

WGS84 107°44'00" W

BURLINGTON RESOURCES OIL & GAS COMPANY LP

HUERFANITO UNIT #176S

740' FNL & 1450' FWL

SEC. 26, T27N, R9W N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

APD MAP

333.77' NEW BLM ACCESS

E.R.A.

36° 33' 08" N

107° 45' 49" W

NAD 83

HUERFANITO UNIT #176S

333.77' NEW BLM ACCESS

EXISTING ACCESS

Map created with TOPOLOGIC © 2007 National Geographic

107°46'00" W

107°45'00" W

WGS84 107°44'00" W



NATIONAL
GEOGRAPHIC

0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km

02/09/11

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 176S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9084		AFE \$: 890,549.92	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)
R20003	PICTURED CLIFFS(R20003)

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.551415	Longitude: -107.761399	X:	Y:	Section: 26	Range: 009W
Footage X: 1450 FWL		Footage Y: 740 FNL		Elevation: 6322 (FT)	Township: 027N

Tolerance:

Location Type: Year Round Start Date (Est.): 1/1/2012 Completion Date: Date In Operation:

Formation Data: Assume KB = 6337 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6137		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 77 cuft. Circulate cement to surface.
OJO ALAMO	1344	4993		<input type="checkbox"/>			
KIRTLAND	1474	4863		<input type="checkbox"/>			
FRUITLAND	1833	4504		<input type="checkbox"/>	567	Gas	
FRUITLAND COAL	2108	4229		<input type="checkbox"/>			
PICTURED CLIFFS	2223	4114		<input type="checkbox"/>			Gas; TD - 200' below T/PCCF
Total Depth	2423	3914		<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 324 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Huerfanito 105	27N 9W 27 NE NE
Production	Huerfanito 89	27N 9W 23 NW SW
Production	Huerfanito 47R	27N 9W 27 SW NE 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

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Directions from the Intersection of Hwy 550 and Hwy 64
in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP
HUERFANITO UNIT #176S

740' FNL & 1450' FWL,

Section 26, T27N, R9W, N.M.P.M., San Juan County,
New Mexico

Latitude: 36° 33' 05.126" N

Longitude: 107° 45' 43.246" W

Nad 1983

From the Intersection of Hwy 550 and Hwy 64,
Take Hwy 550 (south) for 15.8 miles to CR 7225,
Turn left (east) on CR 7225 for 4.5 miles,
Turn right (easterly) for 4.2 miles,
Turn right (southerly) 0.1 miles,
Turn left (easterly) 2.4 miles,
Turn left (northerly) on CR 7007 for 1.9 miles,
Turn left (westerly) 0.7 miles,
Turn left (southwesterly) 0.3 miles
Through well location and continue westerly 1.0 miles,
Stay left (northwesterly) @ y-intersection for 0.3 miles,
Turn right (northeast) 0.8 miles,
To beginning of new access on right side of road,
Turn right and proceed 333.77' to the newly staked location,
Twinned with the proposed well pad,
HUERFANITO UNIT #85M.