

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 03 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG-BACK

Farmington Field Office

U.S. Department of the Interior, Bureau of Land Management

1a. Type of Work DRILL	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATION ON FEDERAL AND INDIAN LANDS	5. Lease Number USA SF-078135	Unit Reporting Number NM NM-78394C-MV NM NM-78394B-DK
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 RCVD JUN 9 '11	
		9. Well Number 98N	OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit I (NESE), 1675' FSL & 285' FEL Surface: Latitude: 36.528906° N (NAD83) Longitude: 107.750583° W		10. Field, Pool, Wildcat Blanco MV/Basin DK	
		11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T27N, R9W API # 30-045-35262	PA
14. Distance in Miles from Nearest Town 28.1 Miles from Bloomfield, NM		12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 285'			
16. Acres in Lease 2,241.88 Acres		17. Acres Assigned to Well 320 Acres-E/2 (MV/DK)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1383' from BR-Huerfanito Unit #86 (MV/DK)			
19. Proposed Depth 6726'		20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6246' GL		22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)		<u>2-28-11</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

JUN 23 2011

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

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.9
and appeal pursuant to 43 CFR 3165.4

NOT TO BE USED FOR 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT II
1301 West 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

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

RECEIVED

Form C-102
Revised October 12, 2005

MAR 03 2011

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
Farmington Field Office
Bureau of Land Management

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35262	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7139	⁵ Property Name HUERFANITO UNIT	⁶ Well Number 98N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6246'

¹⁰ Surface Location

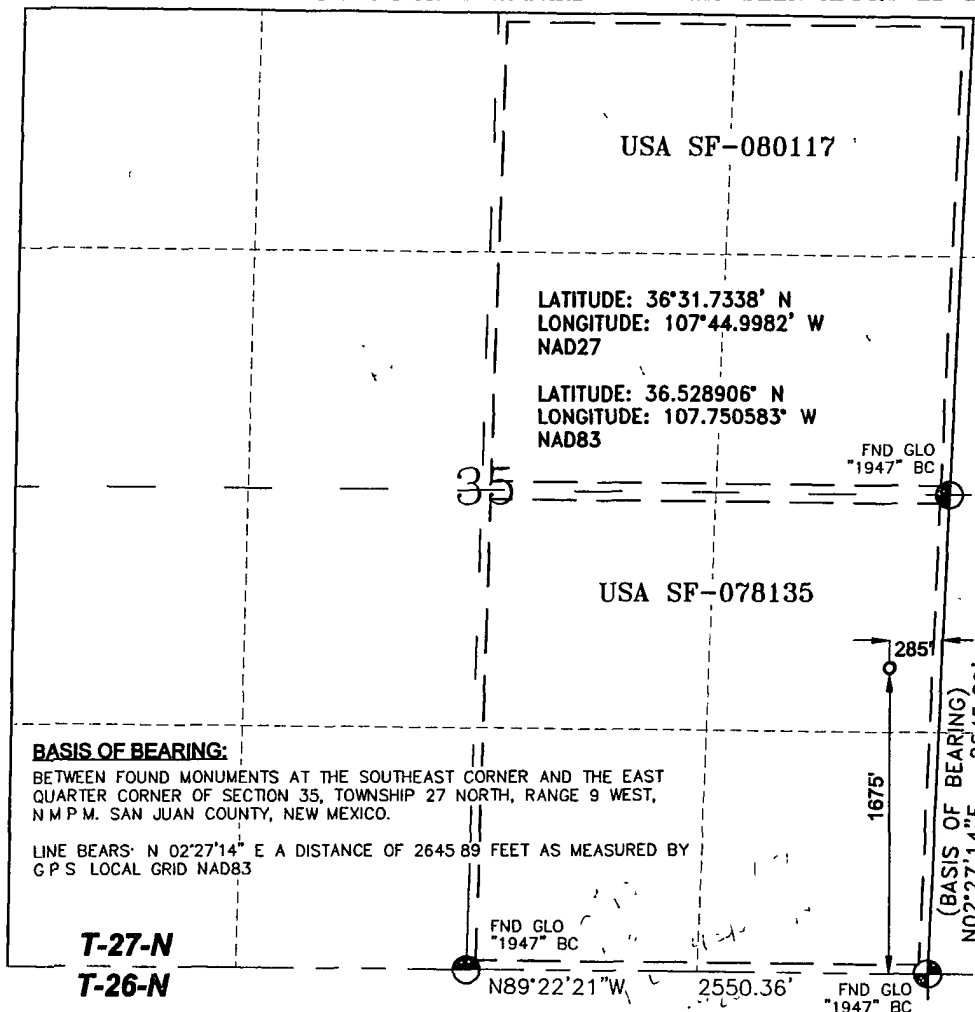
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	35	27-N	9-W		1675'	SOUTH	285	EAST	SAN JUAN

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
I									
¹² Dedicated Acres MV 320.00 ACRES E/2 DK 320.00 ACRES E/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

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

Brandie Blakley 9-12-10

Signature

Brandie Blakley 9-12-10

Printed Name

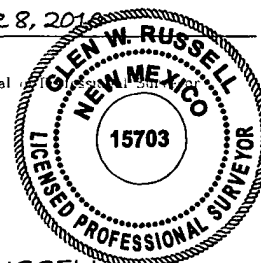
18 SURVEYOR CERTIFICATION

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.

SEPTEMBER 8, 2010

Date of Survey

Signature and Seal



GLEN W. RUSSELL

Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 98N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0068				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		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: 36.528897		Longitude: -107.749969		X:	Y:	Section: 35	Range: 009W
Footage X: 285 FEL		Footage Y: 1675 FSL		Elevation: 6246 (FT)		Township: 027N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6261 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6061		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1213	5048		☐			
KIRTLAND	1641	4620		☐			
FRUITLAND	1676	4585		☐			Possible Gas
PICTURED CLIFFS	2076	4185		☐			
LEWIS	2153	4108		☐			
HUERFANITO BENTONITE	2523	3738		☐			
CHACRA	2950	3311		☐			
UPPER CLIFF HOUSE	3558	2703		☐			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	3639	2622		☐	866		Gas
MENEFEE	3718	2543		☐			Est. Top Perf - 3918 (2343)
Intermediate Casing	3868	2393		☐		131	8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 871 cuft. Circulate cement to surface.
POINT LOOKOUT	4369	1892		☐			
MANCOS	4723	1538		☐			
UPPER GALLUP	5530	731		☐			
GREENHORN	6351	-90		☐			
GRANEROS	6401	-140		☐			
TWO WELLS	6439	-178		☐	2084		Gas
PAGUATE	6507	-246		☐			
LOWER CUBERO	6569	-308		☐			
ENCINAL	6623	-362		☐			
BURRO CANYON	6706	-445		☐			TD - 20' below T/BRCN; Est. Btm Perf - 6706 (- 445) based on offset wells
MORRISON	6722	-461		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 98N

DEVELOPMENT

Total Depth 6726 -465 ☐ 189 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 393 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Huerfanito 4-2	26N 9W 2 SW NE
Production	Huerfanito Unit 98M	27N 9W 35 NE SW SE
Production	Huerfanito Unit 50E	27N 9W 36 NE SW NW

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

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

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 #98N

1675' FSL & 285' FEL,

Section 35, T27N, R9W, N.M.P.M.,

San Juan County, New Mexico

Latitude: $36^{\circ} 31' 44.063''$ N

Longitude: $107^{\circ} 45' 02.099''$ 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) 0.8 miles,
Turn left (west) 0.3 miles,
to beginning of new access at southwest corner of
existing location, Huerfanito Unit #86,
continue (westerly) 1090.32' to the newly staked location.