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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 28 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Farmington Field Office
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 OPERATIONS ON FEDERAL AND INDIAN LANDS	5. Lease Number USA SF-080117 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 Huerfanito Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name RCVD APR 15 '11 OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit F (SENW), 1700' FNL & 1395' FWL Surface: Latitude: 36.534269° N (NAD83) Longitude: 107.762288° W		10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T27N, R9W API # 30-045- 35257
14. Distance in Miles from Nearest Town 29.9 Miles from Bloomfield, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1395'		17. Acres Assigned to Well 320 Acres-W/2 (MV/DK)
16. Acres in Lease 1,040 Acres	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 197' from BR-Huerfanito Unit #36 (PC)	
19. Proposed Depth 6784'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6393' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> 2-28-11 Brandie Blakley (Staff Regulatory Technician) 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 [Signature] TITLE AFN DATE 4/12/11

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

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

NMOCD

APR 29 2011

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

DISTRICT I
1825 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 87506

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

FEB 28 2011

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35257		*Pool Code 71599-72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7138	*Property Name HUERFANITO UNIT		*Well Number 99E
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6393'

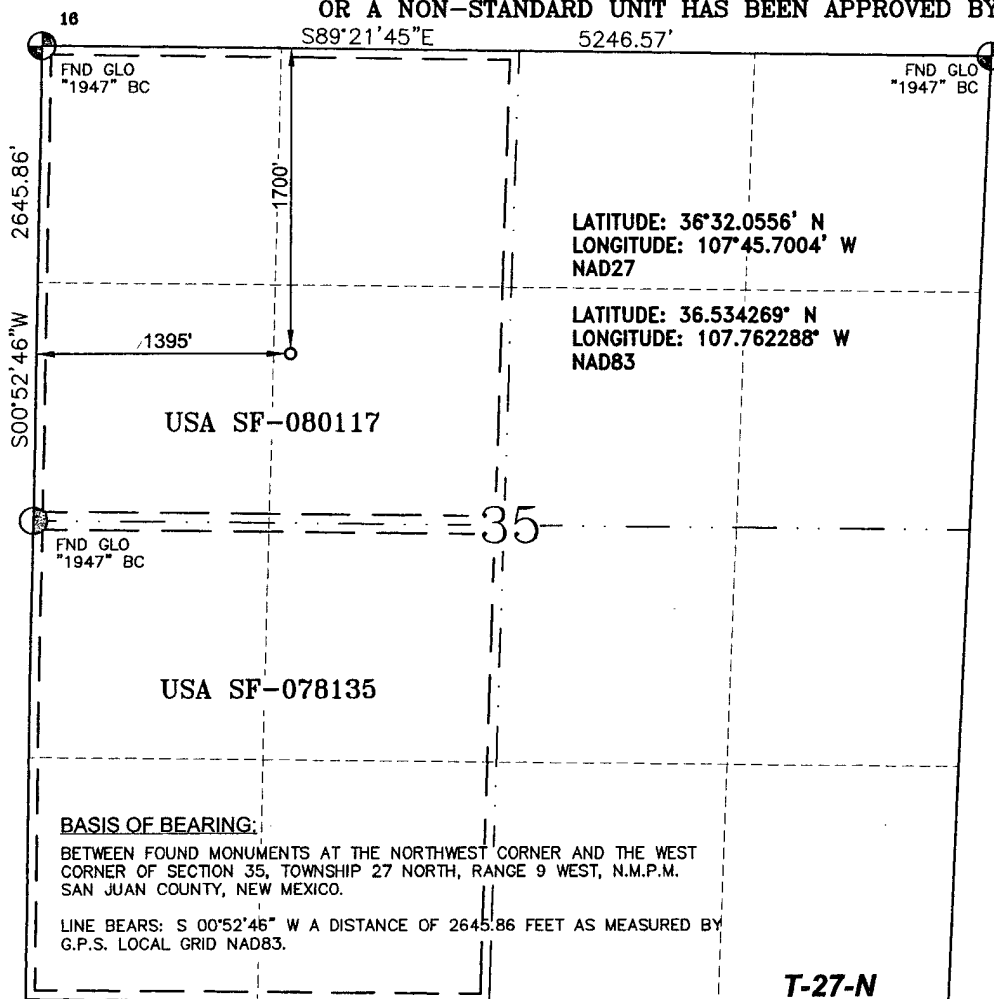
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	35	27-N	9-W		1700'	NORTH	1395'	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
F									
¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 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



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.

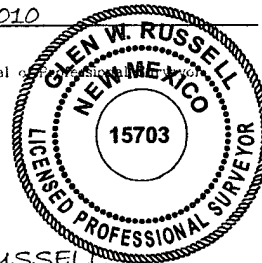
Brandie Blakley 6-4-2010
Signature
Brandie Blakley 6-4-2010
Printed Name

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.

MAY 26, 2010
Date of Survey

Signature and Seal of GLEN W. RUSSELL
GLEN W. RUSSELL
15703
Certificate Number



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 99E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0050				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: 36.534260		Longitude: -107.761674		X:	Y:	Section: 35	Range: 009W
Footage X: 1395 FWL		Footage Y: 1700 FNL		Elevation: 6393 (FT)	Township: 027N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6408 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6208		<input type="checkbox"/>			12-1/2" Hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1376	5032		<input type="checkbox"/>			
KIRTLAND	1499	4909		<input type="checkbox"/>			
FRUITLAND	1820	4588		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2254	4154		<input type="checkbox"/>			
LEWIS	2319	4089		<input type="checkbox"/>			
HUERFANITO BENTONITE	2687	3721		<input type="checkbox"/>			
CHACRA	3116	3292		<input type="checkbox"/>			
UPPER CLIFF HOUSE	3581	2827		<input type="checkbox"/>			Cliffhouse is wet
MASSIVE CLIFF HOUSE	3790	2618		<input type="checkbox"/>			
MENELEE	3867	2541		<input type="checkbox"/>			Est. Top Perf - 4067 (2341)
Intermediate Casing	4017	2391		<input type="checkbox"/>		130	8-3/4" hole, 7" 20/23 ppf, J-55, STC/LTC casing. Cement with 905 cuft. Circulate cement to surface.
POINT LOOKOUT	4526	1882		<input type="checkbox"/>	900		GAS
MANCOS	4895	1513		<input type="checkbox"/>			
UPPER GALLUP	5704	704		<input type="checkbox"/>			
GREENHORN	6514	-106		<input type="checkbox"/>			
GRANEROS	6564	-156		<input type="checkbox"/>			
TWO WELLS	6600	-192		<input type="checkbox"/>	2034		Gas
PAGUATE	6670	-262		<input type="checkbox"/>			
LOWER CUBERO	6733	-325		<input type="checkbox"/>			Est. Btm Perf - 6764 (- 356) based on offset wells
UPPER CUBERO	6733	-325		<input type="checkbox"/>			
ENCINAL	6784	-376		<input type="checkbox"/>			TD - T/ENCN
Total Depth	6784	-376		<input type="checkbox"/>		187	6-1/4" hole, 4-1/2" 11.6 ppf, L-80 LTC casing. Cement with 381 cuft. Circulate cement to a minimum 100' inside the previous casing shoe.
BURRO CANYON	6867	-459		<input type="checkbox"/>			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 99E

DEVELOPMENT

MORRISON 6897 -489 ☐

Reference Wells:		
Reference Type	Well Name	Comments
Production	Huerfanito Unit 74R	27N 9W 34 SW NE NE
Production	Huerfanito Unit 99	27N 9W 35 NW SW
Production	Huerfanito Unit 85	27N 9W 26 SE SW

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

Directions from the Intersection of Hwy 550 and Hwy 64
in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP

HUERFANITO UNIT #99E

1700' FNL & 1395' FWL,

Section 35, T27N, R9W, N.M.P.M., San Juan County,
New Mexico

Latitude: 36° 32' 03.367" N

Longitude: 107° 45' 44.236" 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) 1.5 miles,
Turn left (west) 0.7 miles,
Turn left (southwesterly) 0.1 miles,
Stay right (southwesterly) 0.6 miles,
to beginning of access on right side of road
turn right (northerly) 38' to newly staked location.