

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078358 Unit Reporting Number and Management Farmington Field Office	
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	
4. Location of Well Surf: Unit P(SESE), 445' FSL & 355' FEL Surf: Latitude: 36.540049° N (NAD83) Longitude: 107.750289° W	9. Well Number 79N RCVD JUN 17 '09 OIL CONS. DIV. DIST. 3 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 26, T27N, R9W API # 30-045-34950	
14. Distance in Miles from Nearest Town 30 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 355'	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
16. Acres in Lease 160.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1357' from Huerfanito Unit 46R	22. Approx. Date Work will Start THIS BLM'S APPROVAL OR ACCEPTANCE ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
19. Proposed Depth 6806'	21. Elevations (DF, FT, GR, Etc.) 6309' GL	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	

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 4

Bond Numbers NMB-000015 and NMB-000089

JUN 19 2009

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

NMOCD

Authorized and subject to compliance with attached "General Requirements".

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

Form C-102
Revised October 12, 2005

RECEIVED

APR 16 2009

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

☐ AMENDED REPORT

Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34950		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7138	*Property Name HUERFANITO UNIT		*Well Number 79N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6309'

¹⁰ Surface Location

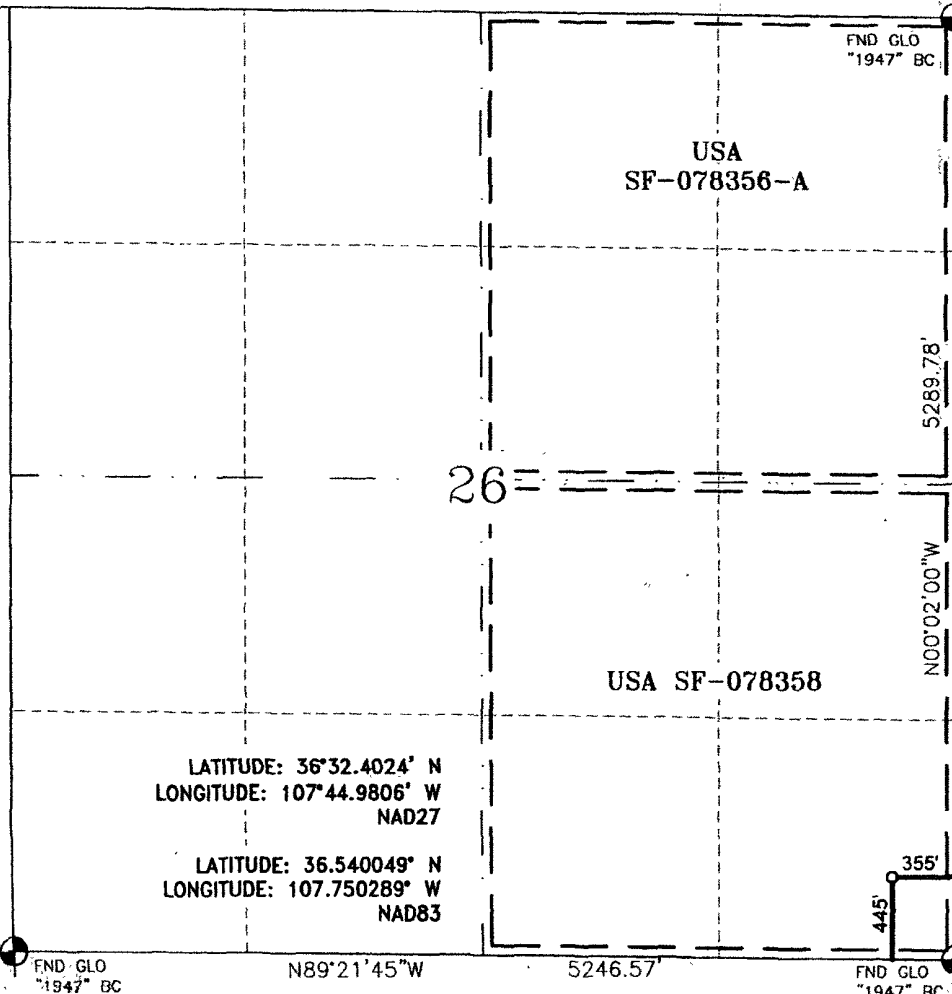
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	26	27-N	9-W		445'	SOUTH	355	EAST	SAN JUAN

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
P									
¹² Dedicated Acres DK 320.00 ACRES E/2 MV 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

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

James Gardenhire 11/17/08
Signature
James Gardenhire
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.

11-JUL-08
Date of Survey
Signature and Seal of Professional Surveyor
Galen H. Russell
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 79N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8332		AFE \$: 1,173,682.12	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer: Hester, Colton		Phone: +1 505-326-9779	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location:					
Datum Code: NAD 27					
Latitude: 36.540040	Longitude: -107.749675	X:	Y:	Section: 26	Range: 009W
Footage X: 355 FEL	Footage Y: 445 FSL	Elevation: 6309 (FT)	Township: 027N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6321 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6001	☐	12'14" hole	320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 226 cuft. Circulate cement to surface.
OJO ALAMO	1274	5047	☐		
KIRTLAND	1423	4898	☐		
FRUITLAND	1863	4458	☐		Possible Gas
PICTURED CLIFFS	2176	4145	☐		
LEWIS	2301	4020	☐		
HUERFANITO BENTONITE	2648	3673	☐		
CHACRA	3071	3250	☐		
MASSIVE CLIFF HOUSE	3754	2567	☐		
MENEFEE	3819	2502	☐		
POINT LOOKOUT	4461	1860	☐	813	GAS
MANCOS	4886	1435	☐		
UPPER GALLUP	5642	679	☐		
GREENHORN	6466	-145	☐		
GRANEROS	6513	-192	☐		
TWO WELLS	6554	-233	☐	2135	Gas
PAGUATE	6621	-300	☐		
CUBERO	6680	-359	☐		
ENCINAL	6741	-420	☐		
Total Depth	6806	-485	☐		7 7/8" hole, 4-1/2" 11.6 ppf, N/L-80 LTC casing. Cement with 2000 cuft. Circulate cement to surface.
BURRO CANYON	6823	-502	☐		
Reference Wells:					
Reference Type	Well Name	Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

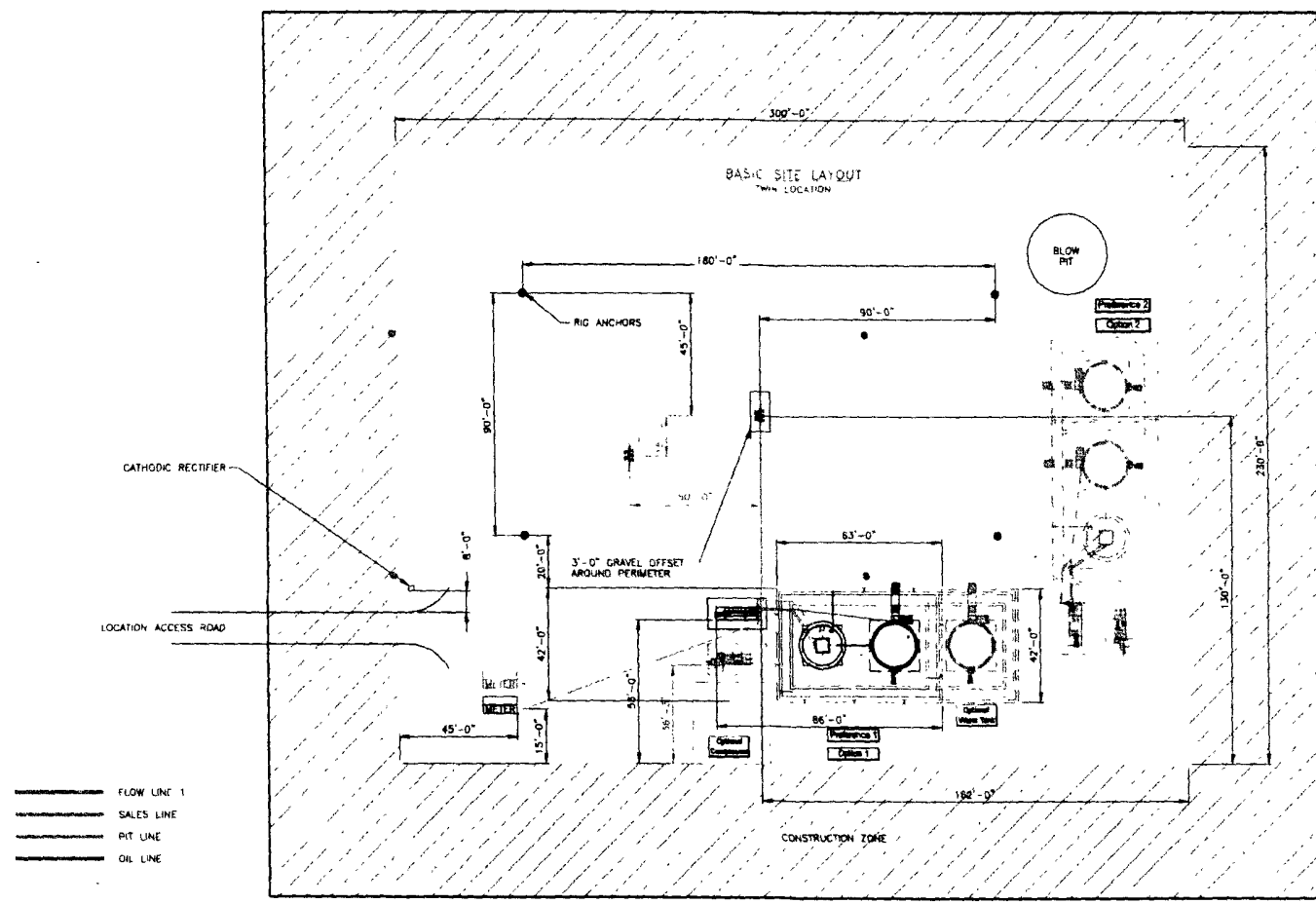
HUERFANITO UNIT 79N

DEVELOPMENT

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 ~15' above the est TD. Est TD is ~65' below the top of Encinal.							

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks



- ===== FLOW LINE 1
- ===== SALES LINE
- ===== PIT LINE
- ===== OIL LINE

SEE SHEET 3 & 4 FOR PIPING DETAILS.
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS					CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT		
PROCESS	MECHANICAL	PIPE	ELECTRICAL	I & C	CIVIL/STRUCTURAL	PROJECT	DATE	BY	CHKD	NO.	DESCRIPTION				CLIENT NO.	CLIENT NAME	APPROV. DATE
												SAN JUAN BUSINESS UNIT			CLIENT BY	SCALE: NONE	CREATOR DATE: 6/20/07
DESCRIPTION	DATE	BY	CHKD	ENG	DEC	PAU									DRG No.	HP3PHASE-REV1	SHEET No. 1 OF 5

\\nrcs\Eng\HP3\con\Andres\Regulatory\Fac Location Site Layout.dwg 6/28/2007 10:05:36am

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

to

Burlington Resources Oil & Gas Company LP
HVERFANITO UNIT 79N

445' FSL & 355' FEL,

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

Latitude: $36^{\circ} 32' 24.17674''$ N

Longitude: $107^{\circ} 45' 01.04388''$ 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 (easterly) on CR 7225 4.5 miles,

Turn right (easterly) 4.2 miles,

Turn right (southerly) 0.1 miles,

Turn left (easterly) 2.4 miles,

Turn left (northerly) 1.9 miles,

Turn left (westerly) 0.5 miles,

Turn left (southwesterly) 0.3 miles,

to beginning of new access on right side of road,

proceed (westerly) 90.49' to the newly staked location.