

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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DEC 10 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078135 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 MAR 9 '08 OIL CONS. DIV. DIST. 2 9. Well Number #87N	
4. Location of Well Surf: Unit L(NWSW), 1432' FSL & 382' FWL Surf: Latitude 36.51374 N Longitude 107.74860 W	10. Field, Pool, Wildcat Basin Dakota/ Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 1, T26N, R9W API # 30-045- 34872	
14. Distance in Miles from Nearest Town 32 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 382'	17. Acres Assigned to Well DK 320 Acres (S/2) MV 320 Acres (W/2)	
16. Acres in Lease 2241.880		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 800' from Huerfanito #152 FC		
19. Proposed Depth 6510'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6159' GR <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/9/08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montez

TITLE AFM

DATE 3/6/09

Archaeological Report attached

Threatened and Endangered Species Report attached P.A.

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 34

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

APR 01 2009

NMOCD

DISTRICT II
1301 W. 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

OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34872	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7138	⁵ Property Name HUEFANITO UNIT	⁶ Well Number 87 N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6159'

¹⁰ Surface Location

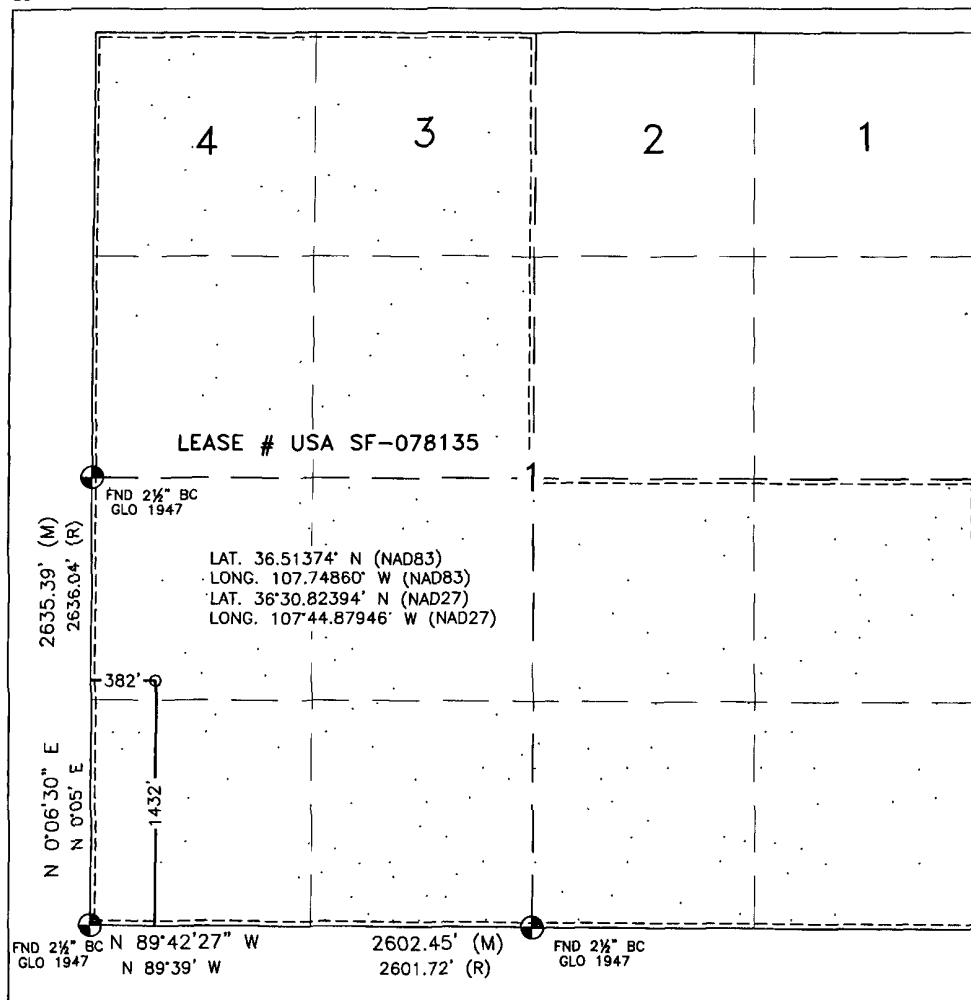
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	1	26N	9W		1432'	SOUTH	382'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. L	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres MV-320.18 Acres - (W/2) DK-320.0 Acres - (S/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. <div style="text-align: right;"> RCD MAR 23 '09 OIL CONS DIV </div>		

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 DIST. 3

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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 or a compulsory pooling order heretofore entered by the division.

Signature Crystal Tafoya Date 3/20/09
Printed Name Crystal Tafoya 3-20-09

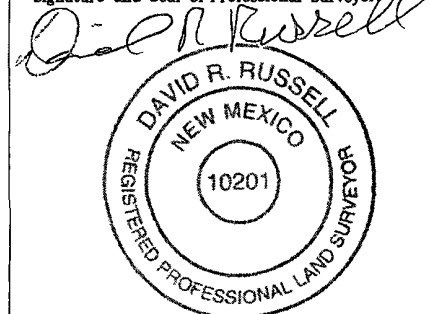
18 SURVEYOR CERTIFICATION

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.

JULY 14, 2008

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PD08.N1

WELL NAME

HUERFANITO # 87 N

DATE

7/28/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

L 1

26 N

9 W

36.51374 N

107.74860 W

COUNTY

SAN JUAN

RECTIFIER

30/12

X

1 PHASE

3 PHASE

SOLARGROUND BED

X

240 V METER POLE

X

480 V METER POLED C CABLES

8

200'

A C CABLES

8

1100'

PRIMARY POWER

JEMEZ

DISTANCE TO POWER

950'

UNDERGROUNDPUMPJACKWATER PUMP**COMMENTS**

INSTALL RECTIFIER SYSTEM

SANDY SOIL

PLOW UGAC 950' TO LOCATION

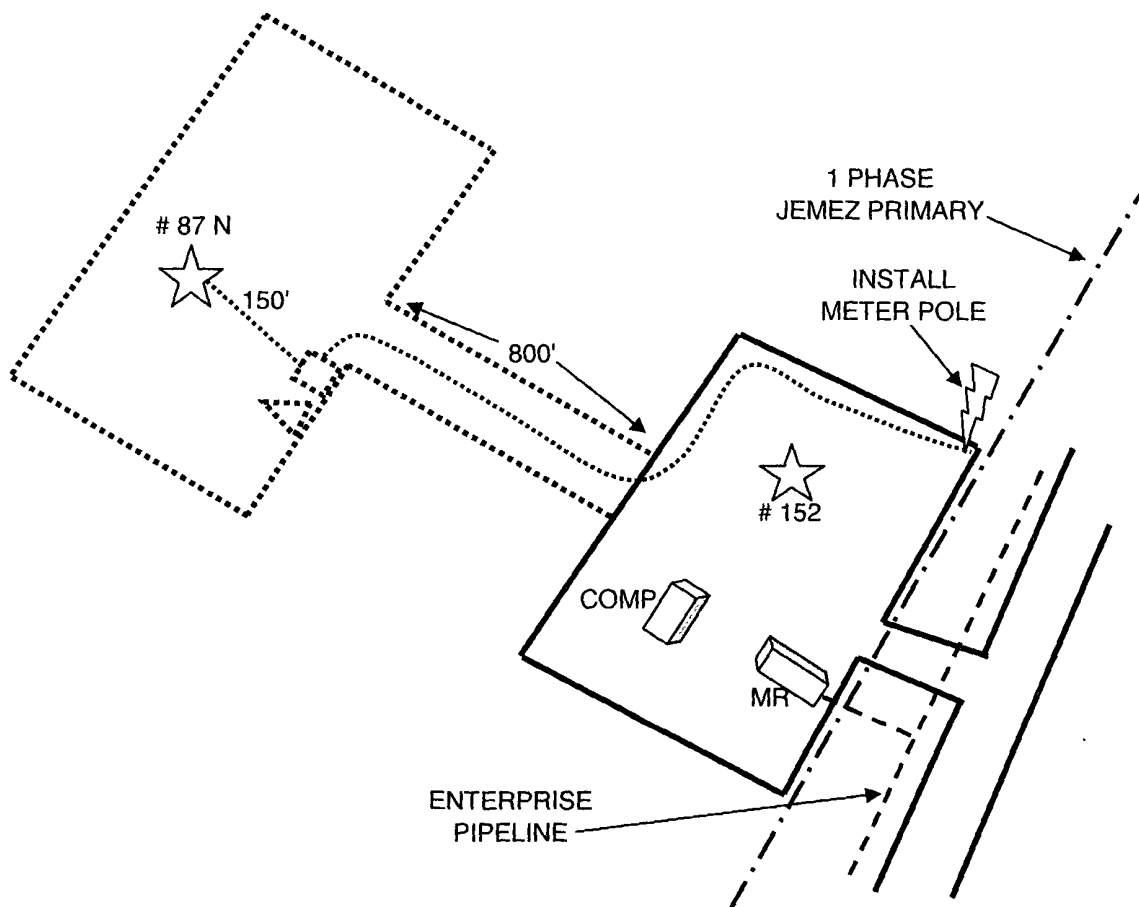
INSTALL METER POLE















1 PHASE JEMEZ PRIMARY 950'

WELL NAME	HUERFANITO # 87 N
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SANDY SOIL
 INSTALL RECTIFIER SYSTEM
 PLOW UGAC 950'



TANK 	SEP OR DEHY 	SOLAR 	METER POLE 	PUMP JACK 	GND/BED EXISTING CABLE 
RECT 	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE 
			FOREIGN PL 		CONOCO PL 

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 87N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8222		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282	State: NM	County: SAN JUAN	API #:
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: Datum Code: NAD 27

Latitude: 36.513731	Longitude: -107.747987	X:	Y:	Section: 01	Range: 009W
Footage X: 382 FWL	Footage Y: 1432 FSL	Elevation: 6159 (FT)	Township: 026N		

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6175 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	5855	<input type="checkbox"/>			320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 279 cuft. Circulate cement to surface.
OJO ALAMO	1078	5097	<input type="checkbox"/>			
KIRTLAND	1142	5033	<input type="checkbox"/>			
FRUITLAND	1506	4669	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	1898	4277	<input type="checkbox"/>			
LEWIS	2004	4171	<input type="checkbox"/>			
HUERFANITO BENTONITE	2358	3817	<input type="checkbox"/>			
CHACRA	2797	3378	<input type="checkbox"/>			
UPPER CLIFF HOUSE	3432	2743	<input type="checkbox"/>			Est. Top Perf - 3434 (2741)
MASSIVE CLIFF HOUSE	3469	2706	<input type="checkbox"/>			
MENEFEE	3557	2618	<input type="checkbox"/>			
POINT LOOKOUT	4221	1954	<input type="checkbox"/>	850		GAS
MANCOS	4527	1648	<input type="checkbox"/>			
UPPER GALLUP	5363	812	<input type="checkbox"/>			
GREENHORN	6192	-17	<input type="checkbox"/>			
GRANEROS	6247	-72	<input type="checkbox"/>			
TWO WELLS	6277	-102	<input type="checkbox"/>	2000		Gas
PAGUATE	6362	-187	<input type="checkbox"/>			
LOWER CUBERO	6425	-250	<input type="checkbox"/>			Est. Btm Perf - 6490 (-315) based on offset wells
UPPER CUBERO	6425	-250	<input type="checkbox"/>			
ENCINAL	6490	-315	<input type="checkbox"/>			
Total Depth	6510	-335	<input type="checkbox"/>			7 7/8" hole, 4-1/2" 11.6 ppf, L-80 LTC casing. Cement with 1914 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Huerfanito 13-1	26N-9W1 NW SE SW
Production	Huerfanito 87M	26N-9W1 SE
Production	Huerfanito 87	26N-9W1 NE SW

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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 87N

DEVELOPMENT

Production	Huerfanito 152	26N-9W1 SW SW
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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

Cased Hole GR / CBL

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 #87 N
1432' FSL & 382' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 1,
T26N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 64 BLOOMFIELD, NM, GO SOUTH ON HWY 550 FOR 22 MILES TO CR 7425 .
- 2) TURN LEFT ONTO CR 7425, HEAD EASTERLY FOR 6.2 MILES.
- 3) TURN LEFT ONTO CR 7007, GO NORTHERLY ON CR 7007 FOR 4 MILES.
 -) TURN LEFT, GO 300' TO EXISTING LOCATION, GO TO WEST SIDE OF EXISTING LOCATION TO BEGIN ACCESS.
 -) FOLLOW RED FLAGGING ACROSS WASH FOR 611' TO NEW LOCATION.

WELL FLAG LOCATED AT LAT. 36.51374°N, LONG. 107.74860°W (NAD 83).