

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 04 2008

Department of the Interior
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078197 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Feuille A 9. Well Number #5N
4. Location of Well Surf: Unit O (SWSE), 764' FSL & 2446' FEL Surf: Latitude 36.74998 N Longitude 107.88959 W	10. Field, Pool, Wildcat Basin Dakota/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec. 4, T29N, R10W API # 30-045- 34867
14. Distance in Miles from Nearest Town 9.5 miles/Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2446'	
16. Acres in Lease 1504.900	17. Acres Assigned to Well 292.04 Acres - (S/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1065' from Feuille A #5 MV/DK	
19. Proposed Depth 6837' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5854' GR	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". 12/03/08 Date
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	

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

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 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT



H₂S POTENTIAL EXIST

NMOCD

DEC 22 2008

DEC 04 2008

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34867	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7015	⁵ Property Name FEUILLE A	⁶ Well Number 5 N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5854'

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
0	4	29N	10W	19	764'	SOUTH	2446'	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
0									
¹² Dedicated Acres 292.04 Acres - (S/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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 5/28/08
Signature Date

Crystal Tafoya 5-28-08

Printed Name

¹⁸ SURVEYOR CERTIFICATION

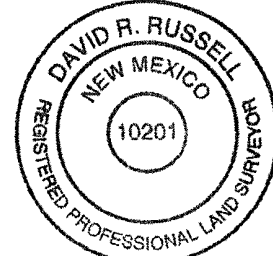
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 28, 2008

Date of Survey

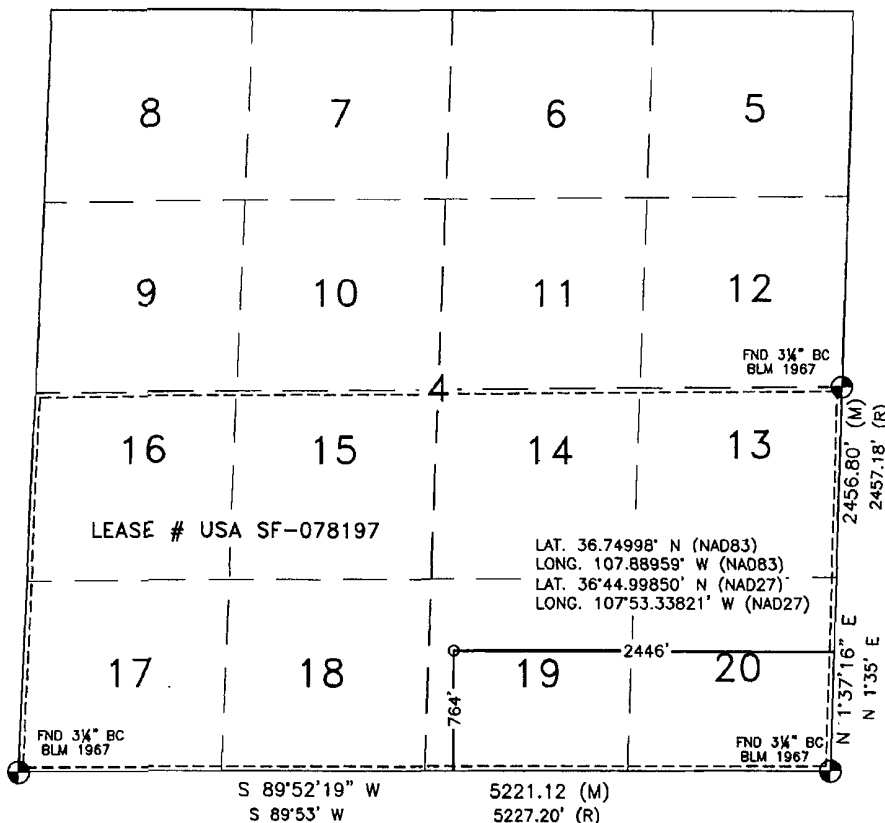
Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number 10201



BURLINGTON RESOURCES	
WAN.RFE.PD08.89	
FEUILLE A # 5 N	DATE 5/29/2008
WELL NAME	
WELL NAME	

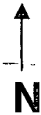
COUNTY SAN JUAN

	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
<u>RECTIFIER</u>	30/12	X			
<u>SOLAR</u>					
<u>GROUND BED</u>		X			
<u>240 V METER POLE</u>		X			
<u>480 V METER POLE</u>					
<u>D C CABLES</u>	# 8	200'			
<u>A C CABLES</u>	# 8	1000'			
<u>PRIMARY POWER</u>				CITY OF FMN	
<u>DISTANCE TO POWER</u>				850'	
<u>UNDERGROUND</u>					
<u>PUMPJACK</u>					
<u>WATER PUMP</u>					

COMMENTS	
	1 PHASE CITY OF FMN - 850'
	SANDY SOIL
	NO PIPELINES CLOSE
	SET METER POLE
	PLOW UGAC 850' TO LOCATION

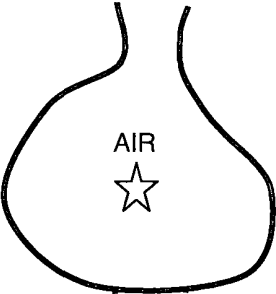
WELL NAME

FEUILLE A # 5 N



SANDY SOIL

NO PIPELINES CLOSE



1 PHASE CITY OF FMN PRIMARY

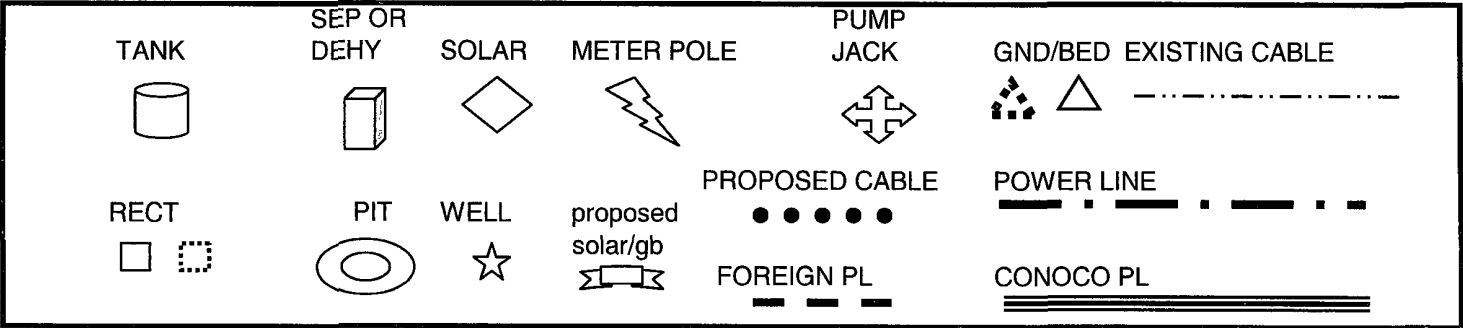
SET
METER
POLE

150'



PLOW UGAC

850' TO LOCATION



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FEUILLE A 5N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8088		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: XXX 2009 Holding Rig		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.749975	Longitude: -107.888970	X:	Y:	Section: 04	Range: 010W
Footage X: 2446 FEL	Footage Y: 764 FSL	Elevation: 5854	(FT)	Township: 029N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 5866 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	5546	☐		
OJO ALAMO	1011	4855	☐		
KIRTLAND	1167	4699	☐		
FRUITLAND	1782	4084	☐		Possible Gas
PICTURED CLIFFS	2291	3575	☐		
LEWIS	2382	3484	☐		
Intermediate Casing	2482	3384	☐		
HUERFANITO BENTONITE	2884	2982	☐		
CHACRA	3267	2599	☐		
MASSIVE CLIFF HOUSE	3937	1929	☐	600	Gas
MENEFEE	4021	1845	☐		
POINT LOOKOUT	4546	1320	☐		
MANCOS	4944	922	☐		
UPPER GALLUP	5785	81	☐		
GREENHORN	6525	-659	☐		
GRANEROS	6584	-718	☐		
TWO WELLS	6647	-781	☐	1400	Gas
PAGUATE	6713	-847	☐		
CUBERO	6780	-914	☐		
ENCINAL	6836	-970	☐		
Total Depth	6837	-971	☐		
12-1/4 hole. 320' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 244 cuft. Circulate cement to surface. 8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 553 cuft. Circulate cement to surface. 6-1/4" hole, 4-1/2" 10.5 ppf, J-55; STC casing. Cement w/ 593 cuft. Circulate cement a minimum of 100' inside the previous casing string.					
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FEUILLE A 5N

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 ~20' above the Cubero.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

BURLINGTON RESOURCES O&G CO LP

FEUILLE A #5 N
764' FSL & 2446' FEL
LOCATED IN THE SW/4 SE/4 OF SECTION 4,
T29N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 173 & HWY 575, GO SOUTHEASTERLY FOR 3.1 MILES.
- 2) TURN RIGHT & GO SOUTH 1.0 MILES TO "T" INTERSECTION.
- 3) KEEP GOING SOUTH FOR 0.4 MILES TO LOCATION WHERE ACCESS BEGINS.
- 4) FOLLOW RED FLAGGING SOUTH FOR $\pm 1175'$ TO LOCATION.

WELL FLAG LOCATED AT LAT. 36.74998°N, LONG. 107.88959°W (NAD 83).

JOB No.: COPC175
DATE: 05/14/08



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637