

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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 USA SF - 077651 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD JAN 7 '09	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Richardson 9. Well Number #8N	
4. Location of Well Surf: Unit G (SWNE), 2130' FNL & 1955' FEL Surf: Latitude 36.914583 N Longitude 108.080638 W	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 10, T31N, R12W API # 30-045- 34873	
14. Distance in Miles from Nearest Town 6.8 Miles/LA Plata, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1955'	17. Acres Assigned to Well DK/MV 320.0 (E/2)	
16. Acres in Lease 2320.580		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 731' from Richardson 101		
19. Proposed Depth 7396'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6186' GR	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)	12/9/08 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 J. Mankley TITLE ASU DATE 1/6/09

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

NMOCD

JAN 08 2009

DISTRICT I
1825 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 West Grand Avenue, Artesia, N.M. 88210

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

DISTRICT III
1000 N. El Estero Rd., Aztec, N.M. 87410

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34873		² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7422	⁵ Property Name RICHARDSON		⁶ Well Number 8N
⁷ OCRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		⁹ Elevation 6186'

¹⁰ Surface Location

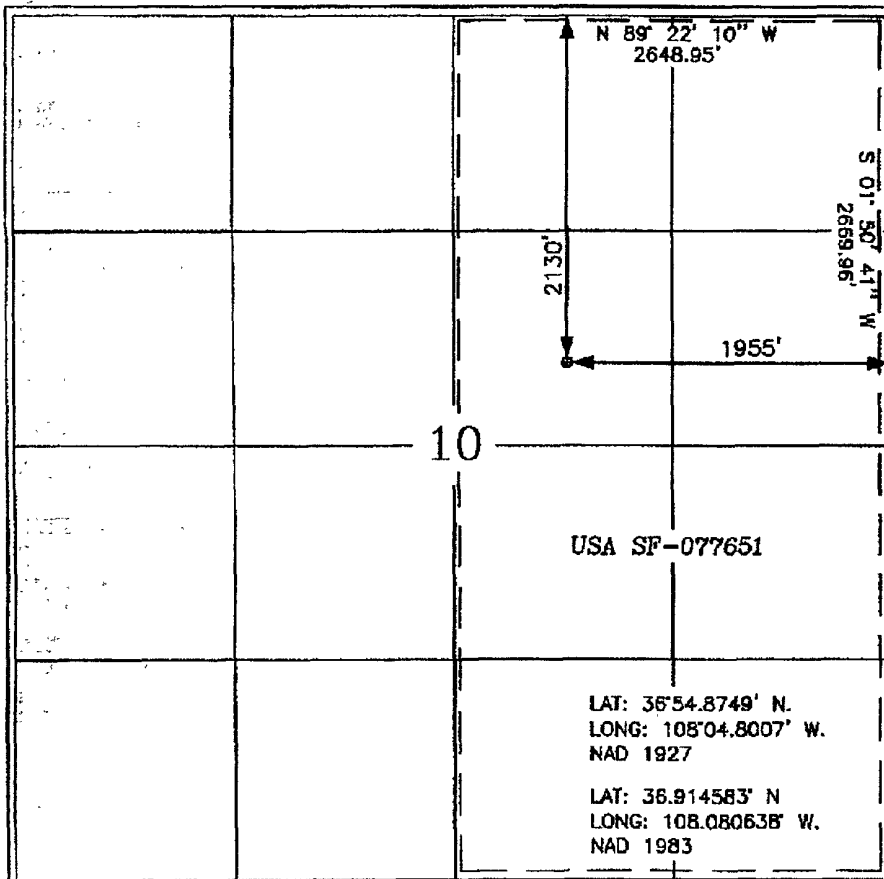
U/L or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	10	31-N	12-W		2130'	NORTH	1955'	EAST	SAN JUAN

" 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
G									
¹² Dedicated Acres DK 320.0 ACRES E/2 MV 320.0 ACRES E/2			¹⁴ Joint or Infill		¹⁶ Consolidation Code		¹⁸ 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

18



17 OPERATOR CERTIFICATION

I heretby 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 working interest, or is a bona fide representative or a compulsory pooling order heretofore entered by the division.

12/08/08
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.

2-28-68

Date of Survey

Signature of Licensed Professional Surveyor

NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR

Allen Russell

Certificate Number 15703

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

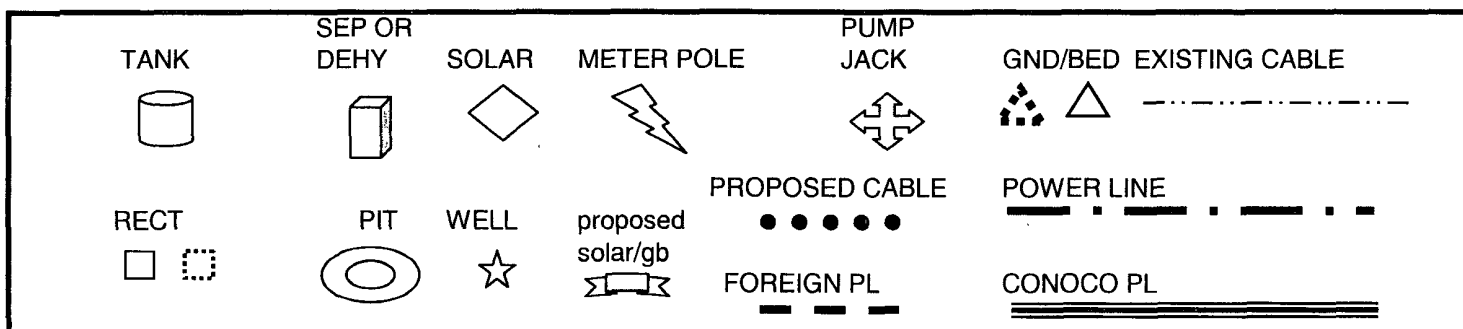
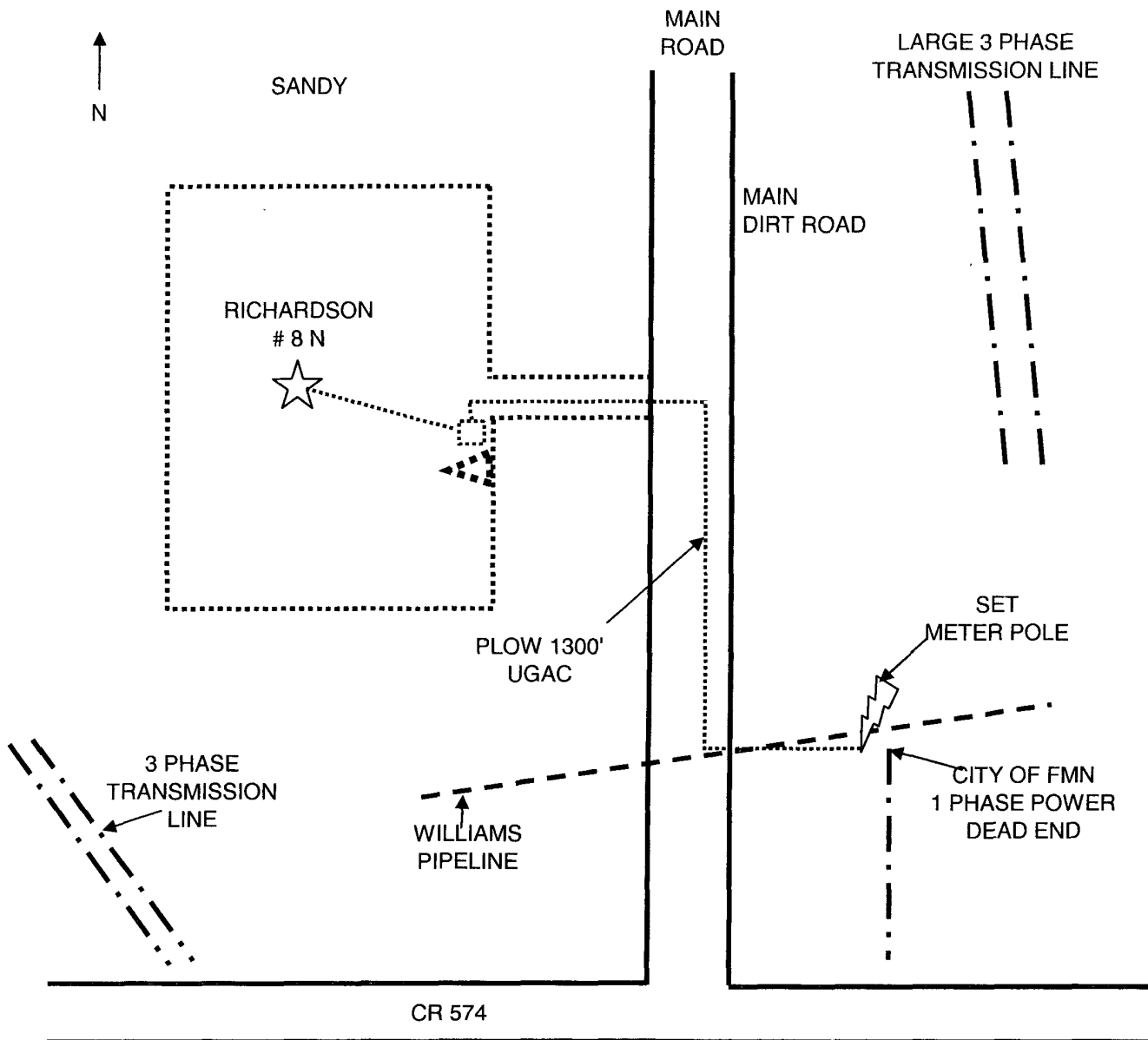
BURLINGTON RESOURCES		
WAN.RFE.PDO8.36		
RICHARDSON # 8 N	DATE	3/6/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
	G 10	31 N	12 W	36 54.8749 N	108 04.8007 W
COUNTY	SAN JUAN				

	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
<u>RECTIFIER</u>	30/12	X			
<u>SOLAR</u>		X			
<u>GROUND BED</u>					
<u>240 V METER POLE</u>		X			
<u>480 V METER POLE</u>					
<u>D C CABLES</u>	# 8	150'			
<u>A C CABLES</u>	# 8	1300'			
<u>PRIMARY POWER</u>			CITY OF FMN		
<u>DISTANCE TO POWER</u>				1300'	
<u>UNDERGROUND</u>					
<u>PUMPJACK</u>					
<u>WATER PUMP</u>					

COMMENTS	INSTALL METER POLE - PLOW 1300 FT UGAC TO LOC -
	INSTALL RECTIFIER SYSTEM
	SANDY SOIL

WELL NAME	RICHARDSON # 8 N
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

RICHARDSON 8N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8034		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Datum Code: NAD 27					
Latitude: 36.914581	Longitude: -108.080011	X:	Y:	Section: 10	Range: 012W
Footage X: 1955 FEL	Footage Y: 2130 FNL	Elevation: 6186 (FT)	Township: 031N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6198 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5998	☐		
OJO ALAMO	845	5353	☐		
KIRTLAND	917	5281	☐		
FRUITLAND	2199	3999	☐		Possible Gas
PICTURED CLIFFS	2667	3531	☐		
LEWIS	2809	3389	☐		
HUERFANITO BENTONITE	3380	2818	☐		
CHACRA	3783	2415	☐		
MASSIVE CLIFF HOUSE	4291	1907	☐	425	Gas
MENEFEE	4458	1740	☐		
Intermediate Casing	4608	1590	☐		
POINT LOOKOUT	5001	1197	☐		
MANCOS	5255	943	☐		
UPPER GALLUP	6351	-153	☐		
GREENHORN	7070	-872	☐		
GRANEROS	7126	-928	☐		
TWO WELLS	7181	-983	☐	1140	Gas
PAGUATE	7256	-1058	☐		
CUBERO	7291	-1093	☐		
ENCINAL	7341	-1143	☐		
Total Depth	7396	-1198	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 144 cuft. Circulate cement to surface.					
8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 1038 cuft. Circulate cement to surface.					
6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 384 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

RICHARDSON 8N

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 est TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MV/DKNM031N012W10NE2 Avoid A & H, do not twin, prefer G,B.

~~Zones - MV/DKNM031N012W10NE2~~

Directions from the Intersection of
Highway 170 & Highway 574 in La Plata, NM
to
Burlington Resources Oil & Gas Company LP
RICHARDSON 8N
2130' FNL & 1955' FEL,
Section 10, T31N, R12W, N.M.P.M., San Juan County,
New Mexico
Latitude: 36.914583° N
Longitude: 108.080638° W
Nad 83

From the Intersection of Highway 170 & Highway 574
@ the Red School House
Go East on Hwy 574 for 6.3 miles
turn left (northeasterly) for 0.5 miles,
to beginning of access on left side of road,
turn left (northerly) 155' to the newly staked location.