

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 FEB 28 PM 3:40

1a. Type of Work DRILL	5. Lease Number USA SF-078214 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> 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 McCord 9. Well Number #104
4. Location of Well Unit D (NWNW), 780' FNL & 955' FWL,  Latitude 36° 48.2274 N Longitude 108° 11.8657 W	10. Field, Pool, Wildcat Basin Fruitland Coal  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 22, T30N, R13W API # 30-045-34190
14. Distance in Miles from Nearest Town 3 miles/Farmington	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 780'	
16. Acres in Lease	17. Acres Assigned to Well 320 - (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 55' McCord #4E	
19. Proposed Depth 1746'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5554' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	2-28-07 Date

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 2

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

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

NMOCD

4/5/07

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

## DISTRICT I

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

## DISTRICT II

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

## DISTRICT III

1000 Elie Brance Rd., Aztec, N.M. 87410

## DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr. 2007 FEB 28 PM 3:40  
Santa Fe, N.M. 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

RECEIVED

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- <b>34190</b>	*Pool Code 71629	*Pool Name <b>BASIN (FRUITLAND COAL)</b>
*Property Code 7300	*Property Name <b>MCCORD</b>	*Well Number 104
*OCD No. 14538	*Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS CO. LP.</b>	*Elevation 5554

## 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
<b>D</b>	<b>22</b>	<b>30 N</b>	<b>13 W</b>		<b>780</b>	<b>NORTH</b>	<b>955</b>	<b>WEST</b>	<b>SAN JUAN</b>

## 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
<b>D</b>									

*Dedicated Acres <b>320</b> <sup>W/2</sup>	*Joint or Infill	*Consolidation Code	*Order No.
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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 N 89°23'49" E 2592.99'	N 89°24'13" E 2593.15'	<b>17 OPERATOR CERTIFICATION</b> 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 undivided 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 to a voluntary pooling agreement or a compulsory pooling order as required by the division. <u><i>Rhonda Rogers</i></u> Signature Date <b>Rhonda Rogers</b> Printed Name Regulatory Technician
2615.47' 955' NAD 83 LAT: 36.803792° N LONG: 108.198392° W NAD 27 LAT: 36° 48.2274' N LONG: 108° 11.8657' W <b>USA SF-078214</b> <b>SECTION 22</b>	2651.82' N 0°17'38" E 2613.99' N 0°17'34" E N 89°45'19" W 2619.07'	

## State of New Mexico

Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045- <b>34190</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		6. State Oil & Gas Lease No. USA SF-078214
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name McCord
4. Well Location Unit Letter <u>D</u> : <u>780'</u> feet from the <u>North</u> line and <u>955'</u> feet from the <u>West</u> line Section <u>22</u> Township <u>30N</u> Rng <u>13W</u> NMPM County <u>San Juan</u>		8. Well Number 104
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5554'		9. OGRID Number 14538
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Basin Fruitland Coal
Pit type <u>New Drill</u> Depth to Groundwater <u>&gt;100'</u> Distance from nearest fresh water well <u>&gt;1000'</u> Distance from nearest surface water <u>6200'</u> Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>        </u> bbls; Construction Material <u>        </u>		

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

 PERFORM REMEDIAL WORK ☐  
 TEMPORARILY ABANDON ☐  
 PULL OR ALTER CASING ☐

 PLUG AND ABANDON ☐  
 CHANGE PLANS ☐  
 MULTIPLE COMPL ☐

OTHER:

New Drill

☒

## SUBSEQUENT REPORT OF:

 REMEDIAL WORK ☐  
 COMMENCE DRILLING OPNS. ☐  
 CASING/CEMENT JOB ☐

 ALTERING CASING ☐  
 P AND A ☐

OTHER:

☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Lined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

 SIGNATURE Kandis Roland TITLE Regulatory Technician DATE 2/28/2007

 Type or print name Kandis Roland E-mail address: kburns@brc-inc.com Telephone No. 505-326-9700  
**For State Use Only**

 APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 63 DATE APR 05 2007  
 Conditions of Approval (if any):

McCORD #104 - 780' FNL & 955' FWL

GROUND ELEVATION: 5554 - DATE: NOVEMBER 10, 2006



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAY 5 PRIOR TO CONSTRUCTION.

APP. BY M.L.

FILE NAME: 7298L01

P.O. BOX 3651  
FARMINGTON, NM 87499  
OFFICE: (505)334-0408

# BURLINGTON RESOURCES OIL & GAS CO. LP.

McCord #104 - 780' FNL & 955' FWL

SECTION 22, T-30-N, R-13-W, N.M.P.M., SAN JUAN COUNTY, N.M.

GROUND ELEVATION: 5554 - DATE: NOVEMBER 10, 2006

ELEVATION

A-A'

ε

5570						
5560						
5550						
5540						
5530						

B-B'

ε

5570						
5560						
5550						
5540						
5530						

C-C'

ε

5570						
5560						
5550						
5540						
5530						

1" = 60' - HORIZ.

1" = 30' - VERT.

UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

SURVEYED: 11/10/06

REV. DATE:

APP. BY M.L.

DRAWN BY: T.G.

DATE DRAWN: 11/30/06

FILE NAME: 7298C01

**UNITED**  
FIELD SERVICES INC.

P.O. BOX 3651  
FARMINGTON, NM 87499  
OFFICE: (505)334-0408

# PROJECT PROPOSAL - New Drill / Sidetrack

MCCORD 104

Lease:		AFE #: WAN.CDR.7072		AFE \$: 197,804.47	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM County: SAN JUAN	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer: Phone:	
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788		Proj. Field Lead: Phone:	
<b>Primary Objective (Zones):</b>					
<b>Zone</b>	<b>Zone Name</b>				
JCV	BASIN FRUITLAND COAL (GAS)				

<b>Location:</b> Surface		<b>Datum Code:</b> NAD 27				<b>Stratigraphic</b>	
Latitude: 36.803790	Longitude: -108.197762	X:	Y:	Section: 22	Range: 013W		
Footage X: 955 FWL	Footage Y: 780 FNL	Elevation: 5554	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5566 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	120	5446	<input type="checkbox"/>			8-3/4" hole. 7" 20 ppf J-55 STC casing. Cement with 50 cuft. Circulate cement to surface.	
FRUITLAND	1244	4322	<input type="checkbox"/>			Gas	
PICTURED CLIFFS	1546	4020	<input type="checkbox"/>			Gas	
Total Depth	1746	3820	<input type="checkbox"/>	150		6-1/4" hole. 4-1/2" 10.5 ppf J-55 STC casing. Cement with 268 cuft. Circulate cement to surface.	

<b>Reference Wells:</b>		
<b>Reference Type</b>	<b>Well Name</b>	<b>Comments</b>
Production	McCord 4-E NW22-30N-13W	Twin well

<b>Logging Program:</b>					
Intermediate Logs: <input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo					
TD Logs: <input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other					
GR/CBL					
Additional Information:					
<b>Log Type</b>	<b>Stage</b>	<b>From (Ft)</b>	<b>To (Ft)</b>	<b>Tool Type/Name</b>	<b>Remarks</b>

Comments: Location/Tops/Logging - FCNM030N013W22NW1

Zones - FCNM030N013W22NW1

General/Work Description - MAKE SURE COST INCLUDE JET PUMP.