

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

207 APR 26 PM 1:46

1a. Type of Work DRILL	5. Lease Number USA SF-078214
1b. Type of Well GAS	Unit Reporting Number 215 FARMINGTON NM
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well Surf: Unit N (SESW), 1175' FSL & 1805' FWL  SURF: Latitude 36° 47.6853 N Longitude 108° 11.6924 W	8. Farm or Lease Name McCord 9. Well Number #1048  10. Field, Pool, Wildcat Basin Fruitland Coal  11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 22, T30N, R13W API # 30-045-34 289
14. Distance in Miles from Nearest Town 3 mile/Farmington	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 1175'	13. State NM
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 229' from McCord 13 (DK)	
19. Proposed Depth 1936'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5744' GL	22. Approx. Date Work will Start SEE ATTACHED FOR CONDITIONS OF APPROVAL
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	<u>4-26-07</u> 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

NMOCD

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

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

8 5/10

## DISTRICT I

1628 N. French Dr., Hobbs, N.M. 88248

## DISTRICT II

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

## DISTRICT III

1000 Edo Branson Rd., Artesia, N.M. 87410

## DISTRICT IV

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

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, N.M. 875052007 APR 26 PM 4:46  
State Lease - 4 Copies  
Fee Lease - 3 CopiesRECEIVED ☐ AMENDED REPORT  
BLM  
210 E. FARMINGTON NM

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045- <b>34289</b>	Pool Code 71629	Pool Name <b>BASIN (FRUITLAND COAL)</b>
Property Code 7300	Property Name <b>MCCORD</b>	Well Number <b>104S</b>
OGED No. 14538	Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS CO. LP.</b>	Elevation <b>5744</b>

## 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
<b>N</b>	<b>22</b>	<b>30 N</b>	<b>13 W</b>		<b>1175</b>	<b>SOUTH</b>	<b>1805</b>	<b>WEST</b>	<b>SAN JUAN</b>

## 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
<b>N</b>									

Dedicated Acres <b>320 w/2</b>	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'		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 retained 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.  Signature: <u>Tracey N. Monroe</u> Printed Name: <u>Tracey N. Monroe</u>
USA SF-078214			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.  Date of Survey: <u>11/15/04</u> Signature: <u>[Signature]</u> Professional Surveyor License No. <u>17078</u> Certificate Number: <u>17013</u>
SECTION 22 NAD 83 LAT: 36.794757° N LONG: 108.195804° W NAD 27 LAT: 36° 47.6853' N LONG: 108° 11.6924' W			

## State of New Mexico

Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.

30-045-

34289

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

Federal Lease #USA SF-078214

7. Lease Name or Unit Agreement Name

McCord

8. Well Number

#104S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

## SUNDRY NOTICES AND REPORTS ON WELLS

(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.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter N : 1175' feet from the South line and 1805' feet from the West line  
Section 22 Township 30N Rng 13W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

5744'

Pit or Below-grade Tank Application

☐ or Closure ☐Pit type New Drill Depth to Groundwater >100 Distance from nearest fresh water well>1000

Distance from nearest surface water

>1000

Pit Liner Thickness:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

## 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 ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐

OTHER:

New Drill ☒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, Unlined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit 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 unlined, 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

TITLE

Regulatory Technician

DATE

4-26-07

Type or print name

Rhonda Rogers

E-mail address:

ogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

DEPUTY OIL &amp; GAS INSPECTOR, DIST. 4

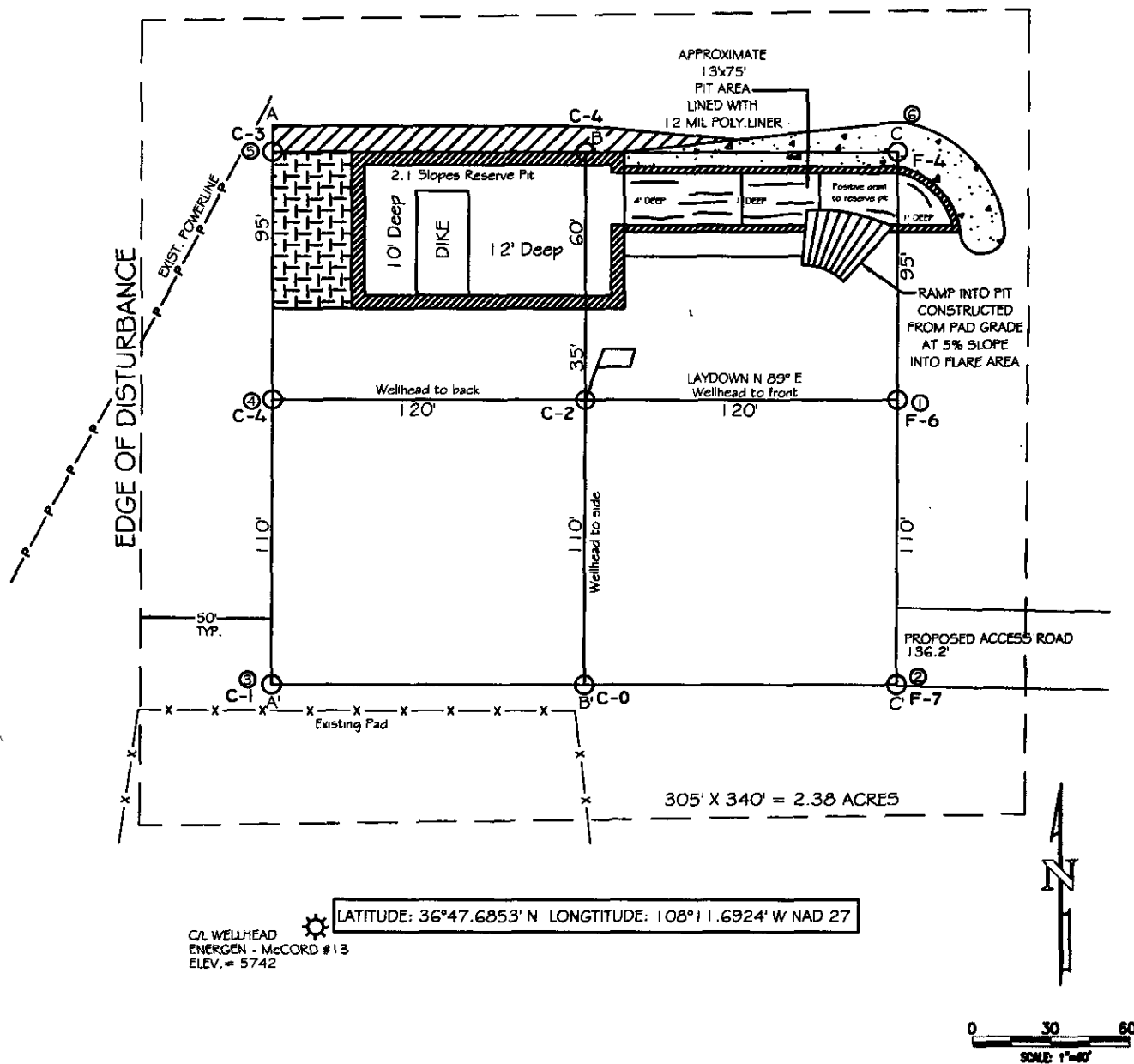
DATE

5/10/07

Conditions of Approval (if any):

B

BURLINGTON RESOURCES OIL & GAS CO. LP.  
 McCORD #1045 - 1175' FSL & 1805' FWL  
 SECTION 22, T-30-N, R-13-W, N.M.P.M., SAN JUAN COUNTY, N.M.  
 GROUND ELEVATION: 5744 - DATE: NOVEMBER 15, 2006  
 GRADED ELEVATION: 5742



C/L WELLHEAD  
 ENERGEN - McCORD #13  
 ELEV. = 5742

LATITUDE: 36°47.6853' N LONGITUDE: 108°11.6924' W NAD 27

NOTES:

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 DAYS PRIOR TO CONSTRUCTION.

SURVEYED: 11/15/06

REV. DATE:

APP. BY M.L.

DRAWN BY: H.S.

DATE DRAWN: 12/06/06

FILE NAME: 7297L01



P.O. BOX 3851  
 FARMINGTON, NM 87499  
 OFFICE: (505)334-0408

# BURLINGTON RESOURCES OIL & GAS CO. LP.

McCORD #1045 - 1175' FSL & 1805' FWL

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

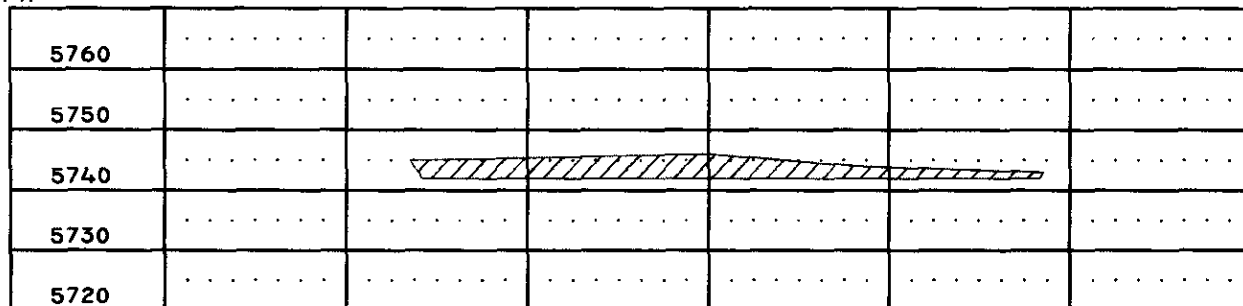
GROUND ELEVATION: 5744 - DATE: NOVEMBER 15, 2006

GRADED ELEVATION: 5742

ELEVATION

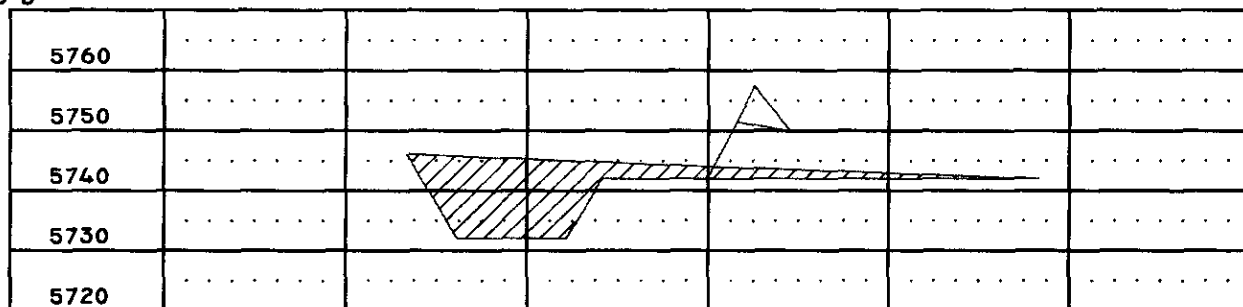
A-A'

ε



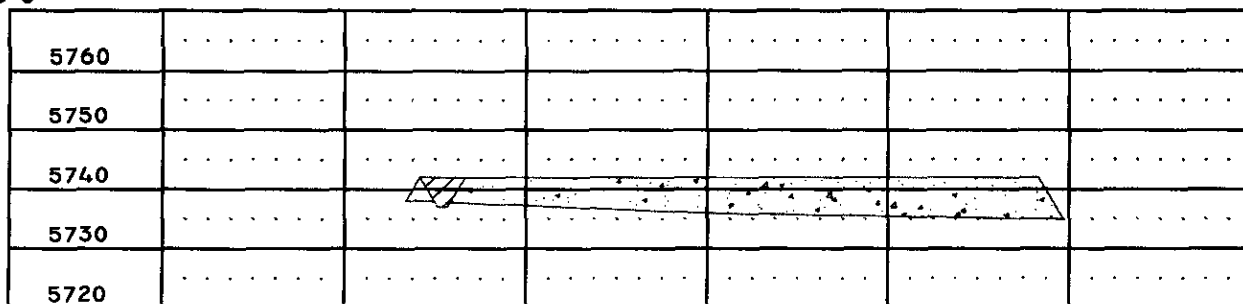
B-B'

ε



C-C'

ε



1" = 60' - HORIZ.

1" = 30' - VERT.

## NOTE:

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: 11/15/06

REV. DATE:

APP. BY M.L.

DRAWN BY: H.S.

DATE DRAWN: 12/06/06

FILE NAME: 7297C01



P.O. BOX 3451  
FARMINGTON, NM 87499  
OFFICE: (505)334-0408

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MCCORD 104S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7009		AFE \$: 199,662.67	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788	Proj. Field Lead:		Phone:

## Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

## Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.794755	Longitude: -108.194873	X:	Y:	Section: 22	Range: 013W
Footage X: 1805 FWL		Footage Y: 1175 FSL		Elevation: 5744 (FT)	Township: 030N

Tolerance:

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5756 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	120	5636	<input type="checkbox"/>			8-3/4" hole. 7" 20 ppf J-55 STC casing. Cement with 50 cuft. Circulate cement to surface.
FRUITLAND	1446	4310	<input type="checkbox"/>			Gas
PICTURED CLIFFS	1736	4020	<input type="checkbox"/>			Gas
Total Depth	1936	3820	<input type="checkbox"/>	150		6-1/4" hole. 4-1/2" 10.5 ppf J-55 STC casing. Cement with 297 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
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## Logging Programs:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ 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:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - FCNM030N013W22SW1 Twin well is McCord 13 SW22-30N-13W.

Zones - FCNM030N013W22SW1

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