

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -1 PM 3: 5

1a. Type of Work DRILL	5. Lease Number USA SF-078212 Unit Reporting Number	RECEIVED BLM 210 FARMINGTON NM
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 #103S	
4. Location of Well Unit G (SWNE), 1690' FNL & 1675' FEL,  Latitude 36° 48.0832 N Longitude 108° 11.3384 W	10. Field, Pool, Wildcat Basin Fruitland Coal  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 22, T30N, R13W API # 30-045-34198	
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 1675'	17. Acres Assigned to Well 320- (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 110' McCord 4		
19. Proposed Depth 1929'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5717' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	RCVD APR 3 07 OIL CONS. DIV. DIST. 3	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	3-1-07 Date	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE Atty DATE 3/30/07

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

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

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

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

DISTRICT IV  
1226 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.  
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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-34198	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN (FRUITLAND COAL)
<sup>4</sup> Property Code 7300	<sup>5</sup> Property Name McCORD	<sup>6</sup> Well Number 103S
<sup>7</sup> OCRD No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS CO. LP.	<sup>9</sup> Elevation 5717

<sup>10</sup> Surface Location

US or lot no.	Section	Township	Range	Lot 1/4s	Feet from the	North/South line	Feet from the	East/West line	County
G	22	30 N	13 W		1690	NORTH	1675	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

US or lot no.	Section	Township	Range	Lot 1/4s	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 320 E/L	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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'
2618.47'	1690'
N 0°17'38" E	1675'
2613.99'	NAD 83 LAT: 36.801389° N LONG: 108.189604° W
N 0°17'34" E	SECTION 22 NAD 27 LAT: 36° 48.0832' N LONG: 108° 11.3384' W
N 89°45'19" W 2619.07'	USA SF-078212
N 89°45'50" W 2619.74'	FEE
2651.82'	2653.92'
S 0°17'32" E	S 0°16'20" E

**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 undivided 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 to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Juanita Farrell* 12/24/06  
Signature Date  
Juanita Farrell  
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.

11/10/06  
Date of Survey  
MARSHALL W. LINDEN  
Signature  
17078  
Certificate Number

NEW MEXICO  
17078  
PROFESSIONAL SURVEYOR  
LICENSE

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

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

WELL API NO.

30-045- **34198**

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

USA SF-078212

7. Lease Name or Unit Agreement Name

McCord

8. Well Number

103S

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 G : 1690' feet from the North line and 1675' feet from the East line  
Section 22 Township 30N Rng 13W NMPM County San Juan

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

5717'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

&gt;100'

Distance from nearest fresh water well

&gt;1000'

Distance from nearest surface water

&gt;1000'

Pit Liner Thickness:

12

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, 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

TITLE

Regulatory Technician

DATE

2/28/2007

Type or print name

Rhonda Rogers

E-mail address:

rogers@brc-inc.com

Telephone No.

505-326-9700

**For State Use Only**

APPROVED BY

TITLE

DEPUTY OIL &amp; GAS INSPECTOR, DIST. III

DATE

APR 05 2007

Conditions of Approval (If any):

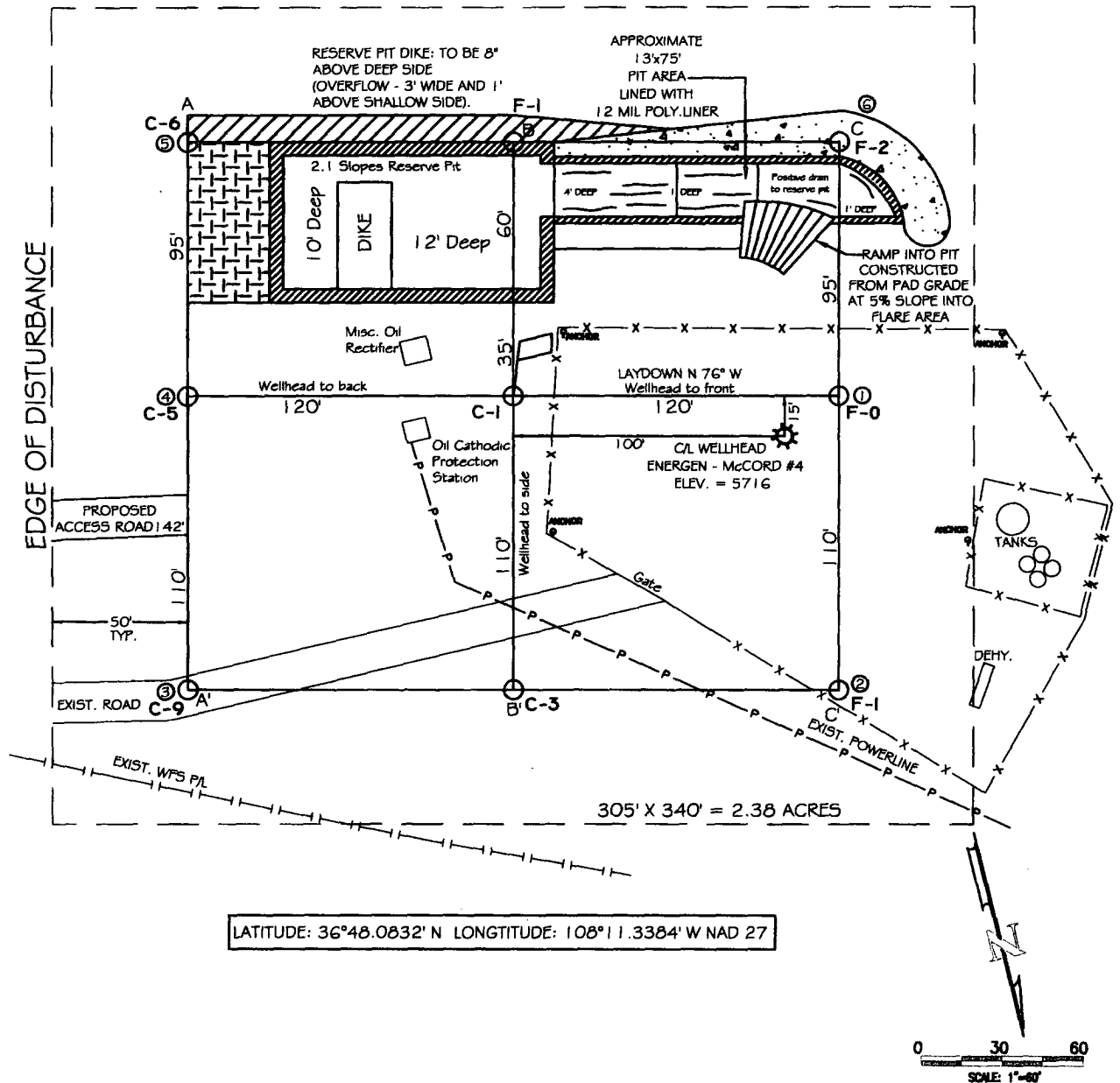
# BURLINGTON RESOURCES OIL & GAS CO. LP.

McCORD #1035 - 1690' FNL & 1675' FEL

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

GROUND ELEVATION: 5717 - DATE: NOVEMBER 10, 2006

GRADED ELEVATION: 5716



## NOTES:

1.) 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 CONST.

2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 11/10/06

REV. DATE:

APP. BY M.L.

DRAWN BY: H.S.

DATE DRAWN: 12/07/06

FILE NAME: 7299L01



P.O. BOX 3651  
FARMINGTON, NM 87489  
OFFICE: (505)334-0408

# BURLINGTON RESOURCES OIL & GAS CO. LP.

McCORD #1035 - 1690' FNL & 1675' FEL

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

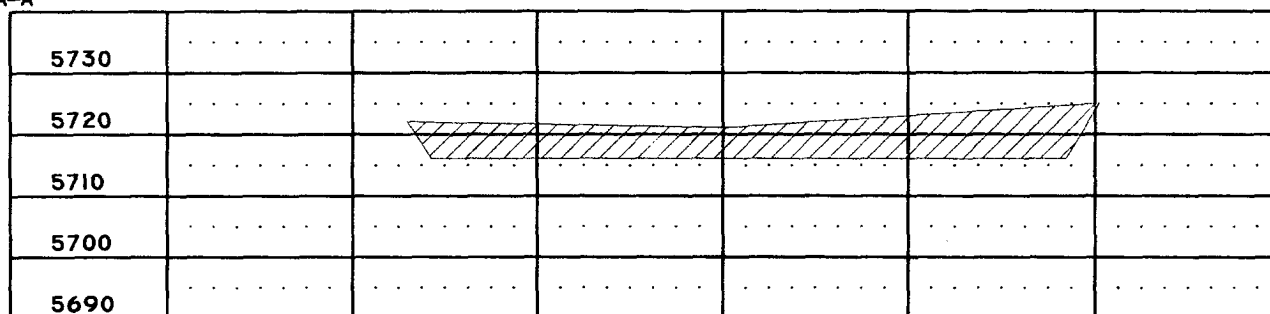
GROUND ELEVATION: 5717 - DATE: NOVEMBER 10, 2006

GRADED ELEVATION: 5716

ELEVATION

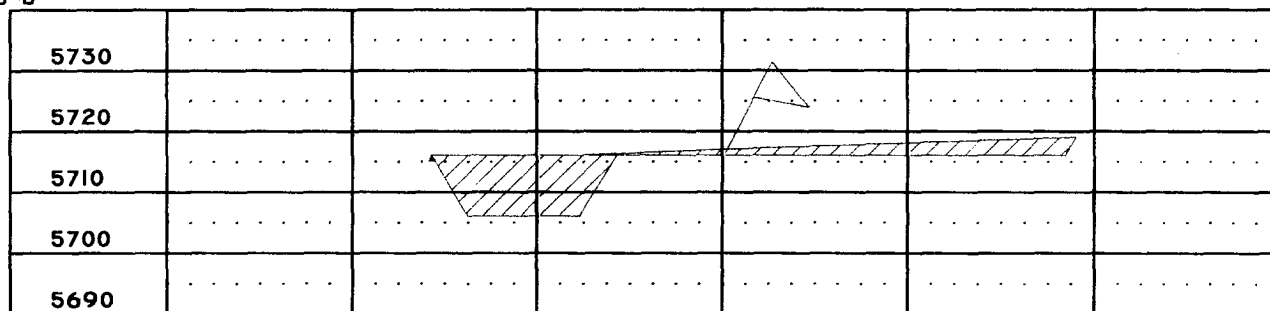
A-A'

£



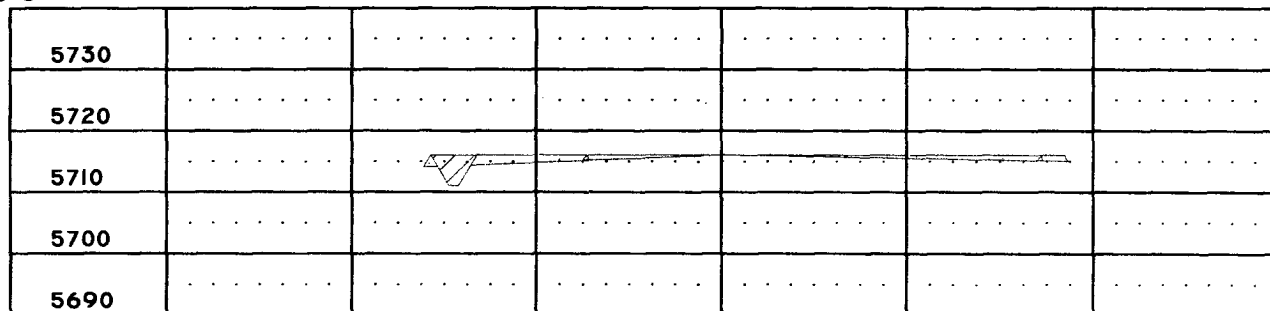
B-B'

£



C-C'

£



1" = 60' - HORIZ.

1" = 30' - VERT.

## NOTES:

1.) 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 CONST.

2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

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P.O. BOX 3651  
FARMINGTON, NM 87489  
OFFICE: (505)334-0408

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MCCORD 103S

Lease:		AFE #: WAN.CDR.7010		AFE \$: 249,630.21	
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:	

## Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.801387	Longitude: -108.188973	X:	Y:	Section: 22	Range: 013W
Footage X: 1675 FEL	Footage Y: 1690 FNL	Elevation: 5717	(FT)	Township: 030N	

Tolerance:

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5729 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5609	<input type="checkbox"/>			8-3/4" hole. 7" 20 ppf J-55 STC casing. Cement with 50 cuft. Circulate cement to surface.
KIRTLAND	381	5348	<input type="checkbox"/>			
FRUITLAND	1404	4325	<input type="checkbox"/>			Gas
PICTURED CLIFFS	1729	4000	<input type="checkbox"/>			Gas
Total Depth	1929	3800	<input type="checkbox"/>	150		6-1/4" hole. 4-1/2" 10.5 ppf J-55 STC casing. Cement with 296 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
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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

GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - FCNM030N013W22NE1 Twin well is McCord 4 NE22-30N-13W.

Zones - FCNM030N013W22NE1

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