

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2007 JUL 5 PM 3 36 RECEIVED 070 FARMINGTON NM	5. Lease Number NM-019413 Unit Reporting Number NMMNM-110446-FC
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 McDermitt Com 9. Well Number #100M
4. Location of Well Unit E(SWNW), 1405' FNL & 1125' FWL Latitude 36° 55.9022 N Longitude 108° 08.4799 W	Lot 5 E	10. Field, Pool, Wildcat Plate PC/Basin FC Aztec 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 6, T31N, R12W API # 30-045-34358
14. Distance in Miles from Nearest Town 4 mile/La Plata	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1125'		
16. Acres in Lease	17. Acres Assigned to Well PC- 153.91 (NW/4) FC 312.76 (N/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' McDermitt #1M		
19. Proposed Depth 2401'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5879' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		RCUD AUG 14 '07 OIL CONS. DIV. DIST. 3
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	7-3-07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ATM DATE 8/10/07

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 **Bond Numbers NMB-000015 and NMB-000089**

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

NMOCD 08-10-07
A BT

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

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

2007 JUL 5 PM 3 36

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34358		*Pool Code 72358 - 71829 - 71280	*Pool Name Aztec PICTURED CLIFFS - BASIN FRUITLAND COAL
*Property Code 33080	*Property Name McDURMITT COM		*Well Number 100M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 5879'

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
E	6	31N	12W	5	1405	NORTH	1125	WEST	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
E									
12 Dedicated Acres 153.91 Acres (NW/4) - PC 312.76 Acres (N/2) - FC					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

1278.42'	1363.56'	2640.00'	
1319.34'	LOT 4	LOT 3 LEASE FEE	LOT 2 LEASE USA NM-019413
1125'	1505'	1281.06'	
1319.34'	LOT 5	1306.14'	
LAT: 36.93170°N LONG: 108.14196°W DATUM: NAD83			
LAT: 36.559022°N LONG: 108.084799°W DATUM: NAD27			
LOT 6		LOT 7	
2640.00'	1243.44'	1315.38'	2630.76'
2612.94'			

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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kandis Roland 3/16/07
Signature Date
Kandis Roland
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.

Date of Survey: MARCH 16, 2007

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
15269

JASON C. EDWARDS
Certificate Number 15269

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

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District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

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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- **34358**

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # NM-019413

7. Lease Name or Unit Agreement Name

McDermitt Com

8. Well Number

#100M

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco PC/Basin FC

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 & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

 Unit Letter E : 1405' feet from the North line and 1125' feet from the West line
 Section 6 Township 31N Rng 12W NMPM County San Juan

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

5879'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

<50

Distance from nearest fresh water well

>1000

Distance from nearest surface water

<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 ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒**SUBSEQUENT REPORT OF:**REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐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.

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

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 Rhonda Rogers TITLE Regulatory Technician DATE 7-3-07Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018**For State Use Only**Deputy Oil & Gas Inspector,
District #3APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE AUG 16 2007

Conditions of Approval (if any):

in new area Pit must be closed in accordance w/ Rule 50. F.1.

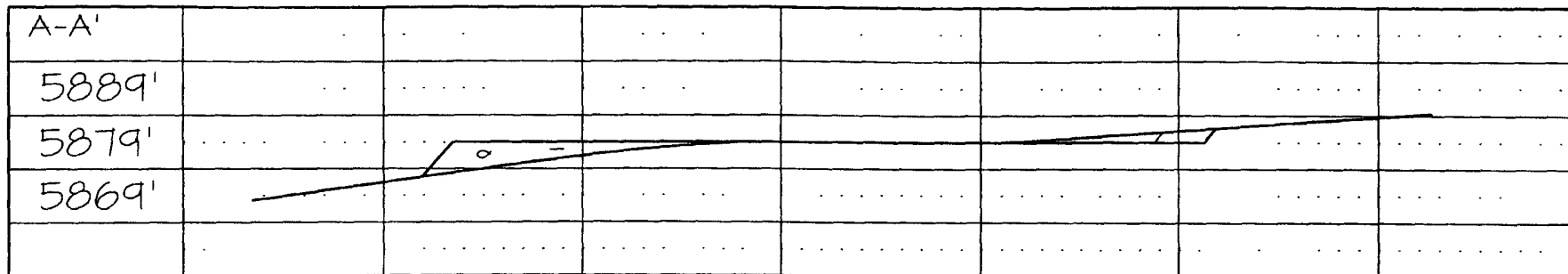
CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY McDURMITT COM #100M
1405' FNL & 1125' FWL, SECTION 6, T31N, R12W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5879'

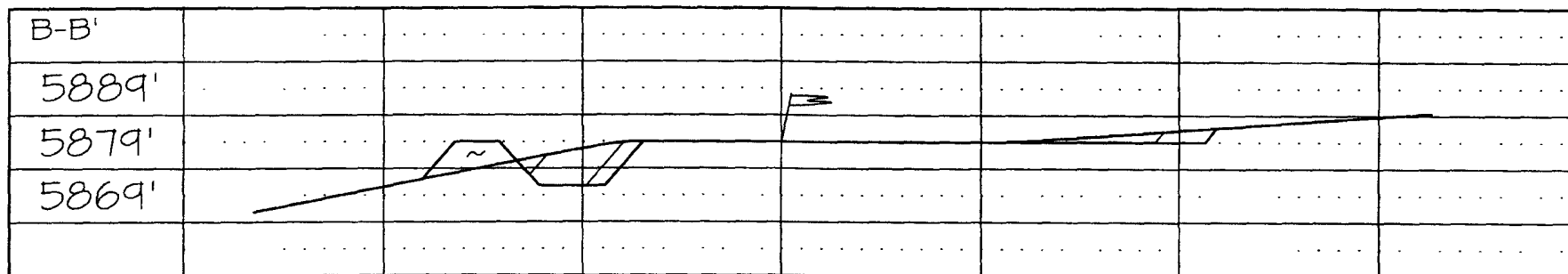
HORIZONTAL SCALE 1"=40'

C/L

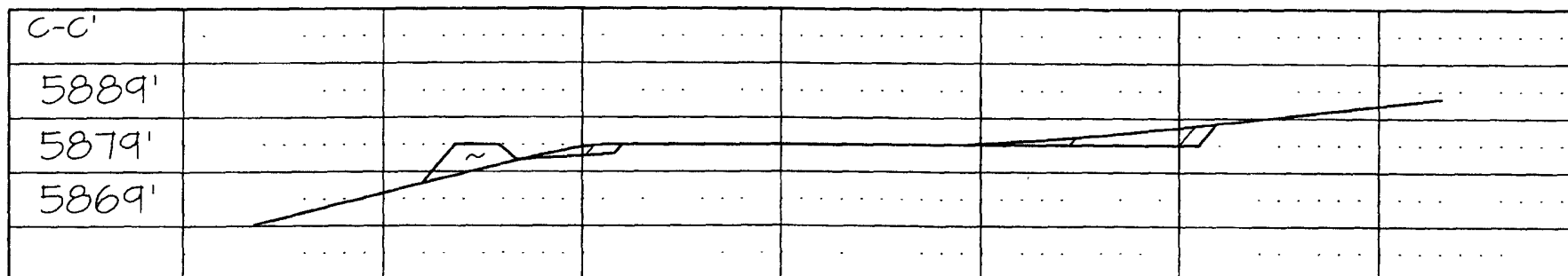
VERTICAL SCALE 1"=30'



C/L



C/L



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND
 UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MCDURMITT COM 100M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7090		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
JCV	BASIN FRUITLAND COAL (GAS)				
RCO087	FRUITLAND SAND(RCO087)				
UPL	BLANCO PICTURED CLIFFS				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.931699	Longitude: -108.141330	X:	Y:	Section: 06	Range: 012W
Footage X: 1125 FWL		Footage Y: 1405 FNL		Elevation: 5879 (FT)	Township: 031N
Tolerance:					
Location Type: Year Round		Start Date (Est.):		Completion Date:	Date In Operation:
Formation Data: Assume KB = 5891 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	120	5771	<input type="checkbox"/>		
KIRTLAND	276	5615	<input type="checkbox"/>		
FRUITLAND	1682	4209	<input type="checkbox"/>		Gas
PICTURED CLIFFS	2201	3690	<input type="checkbox"/>	200	Gas
Total Depth	2401	3490	<input type="checkbox"/>		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 369 cuft. Circulate cement to surface.
Reference Wells:					
Reference Type	Well Name		Comments		
Logging Program:					
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:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - FCNM031N012W06NW1, PCNM031N012W06NW1, FSNM031N012W06NW1 Twin McDurmitt #1M (MV/DK) else prefer E,D,C,F.

Zones - FCNM031N012W06NW1, PCNM031N012W06NW1, FSNM031N012W06NW1

General/Work Description - MAKE SURE COST IS ALLOCATED AS:
 FC-50% FS-2% PC-48%