



**BURLINGTON**  
**RESOURCES**  
San Juan Division

Sent Federal Express

2005 NOV 23 AM 11 22

November 22, 2005

*NSC*

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87504

Re: Grambling C #3M  
1645' FNL, 1785' FEL, Section 12, T-30-N, R-10-W, San Juan County  
30-045-33306

Dear Mr. Stogner:

Burlington Resources proposes to drill the above referenced well location as a commingled well in the Mesaverde and Dakota formations and is applying for administrative approval of an unorthodox gas well location for the Blanco Mesaverde and the Basin Dakota formations. This well is located within a short section. The primary reason for the non-standard staking of this proposed well is the steep and rugged topography that has severely limited the choices within the prescribed window. The drainage pattern for the existing producing well for the Blanco Mesaverde formation, namely the Grambling C #3 in the SENE and the surface location of the Grambling C #7 in the NENE, further restrict the placement of the aforementioned project.

The subject well has therefore been staked 1645 feet FNL and 1785 feet FEL (575' from the west spacing unit boundary) due to extreme topographic relief within the legal spacing window for the Mesaverde and the Dakota formations, as shown on the attached aerial photography and topography map.

The following attachments are for your review:

- Approved application for Permit to Drill and C-102 at referenced location
- Offset operators plat
- Topographic Map
- Aerial Photography Map

Copies of this application are being submitted to offset operator / working interest owners by certified mail. Please let me know if you have any questions about this application.

Sincerely,



Sharon Zubrod  
Project Supervisor

**RECEIVED**

NOV 23 2005

Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

Re: Grambling C #3M  
1645' FNL, 1785' FEL, Section 12 T30N, R10W, Rio Arriba County  
30-045-33306

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2005 SEP 16 AM 9 28

RECEIVED  
070 FARMINGTON NM

1a. Type of Work DRILL	5. Lease Number NMSF-078200-A Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name Grambling C 9. Well Number #3M	
4. Location of Well Unit G (SWNE), <sup>1645</sup> <del>2005</del> ' ENL, <sup>1785</sup> <del>2050</del> ' FEL  Latitude 36° 49.7655' N Longitude 107° 50.0002' W	10. Field, Pool, Wildcat Blanco Mesaverde/ Basin Dakota  11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 12, T30N, R10W  API # 30-045-33306	
14. Distance in Miles from Nearest Town 15 miles to Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1605'		
16. Acres in Lease	17. Acres Assigned to Well 296 E/2 MV/DK	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease		
19. Proposed Depth 7685'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) <del>6360</del> GL 6364	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Amanda Sandrea</u> Regulatory Compliance Assistant II	<u>9/15/05</u> Date	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE AFM DATE 10/12/05

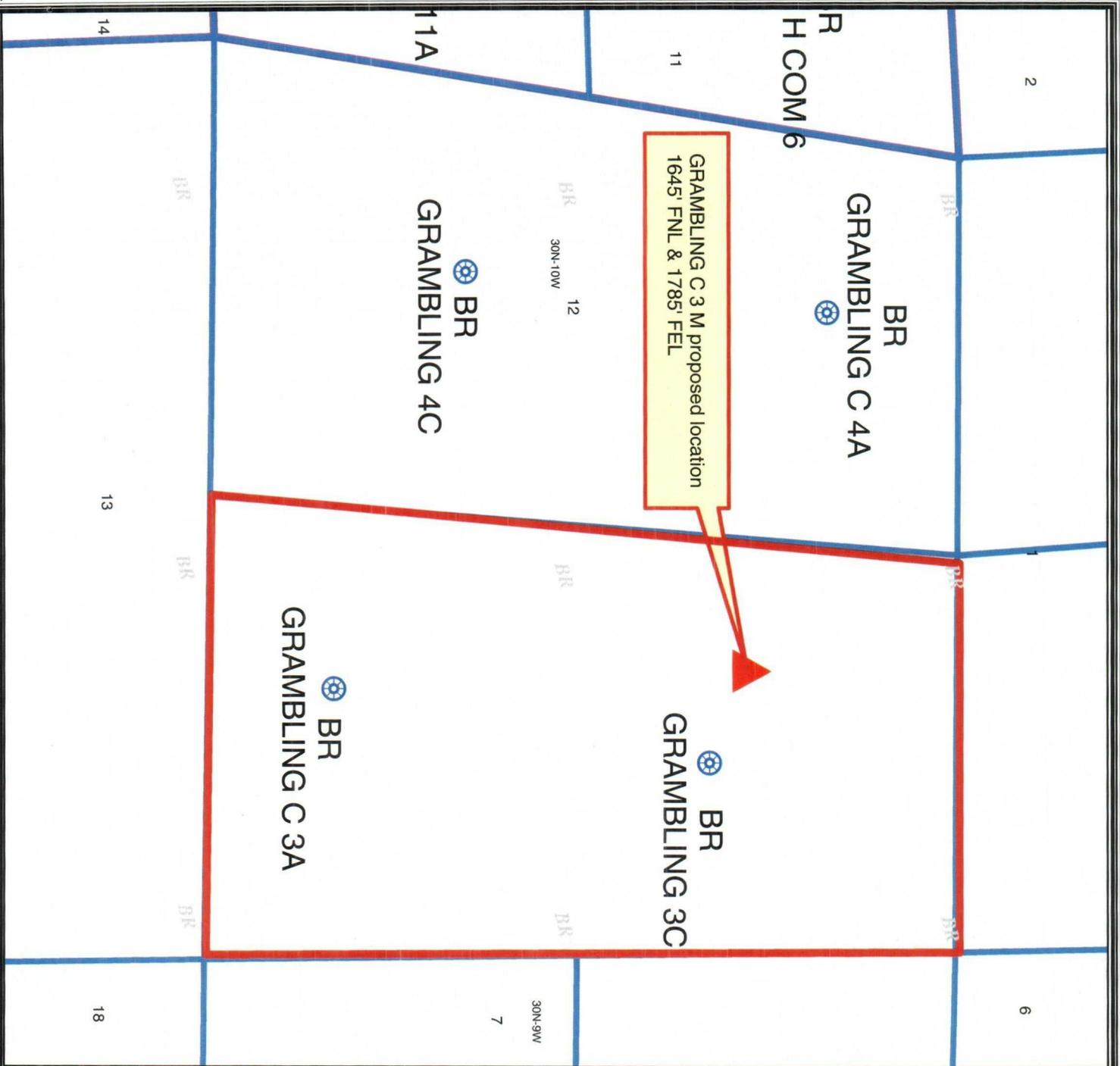
Archaeological Report attached  
Threatened and Endangered Species Report attached  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3  
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

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

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

NMOCD





MESAVERDE  
 DAKOTA  
 Mesaverde Drillblock  
 DK Drillblock  
 Sections\_(SJD)  
 Townships\_(SJD)  
 Proposed Well  
 Location & Dedication

**OFFSET OPERATOR:**  
**100% BURLINGTON**  
**RESOURCES**

**BURLINGTON**  
 RESOURCES  
 © Unpublished Work, Burlington Resources, Inc.  
 GCS North American 1927



**BURLINGTON RESOURCES**  
*San Juan*  
**GRAMBLING C 3M - NSL**  
 S12 T30N R10W  
 San Juan County, NM

Prepared By: *dgml* Date: 11/9/2005  
 File Number: Revised Date: 11/9/2005  
 File Name: *c:\platt\com1\Projects\Pauline's Map.mxd*

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

**GRAMBLING C #3M**

**1645' FNL & 1785' FEL**

**SEC. 12, T30N, R10W N.M.P.M.**

**SAN JUAN COUNTY, NEW MEXICO**

**APD MAP #1**

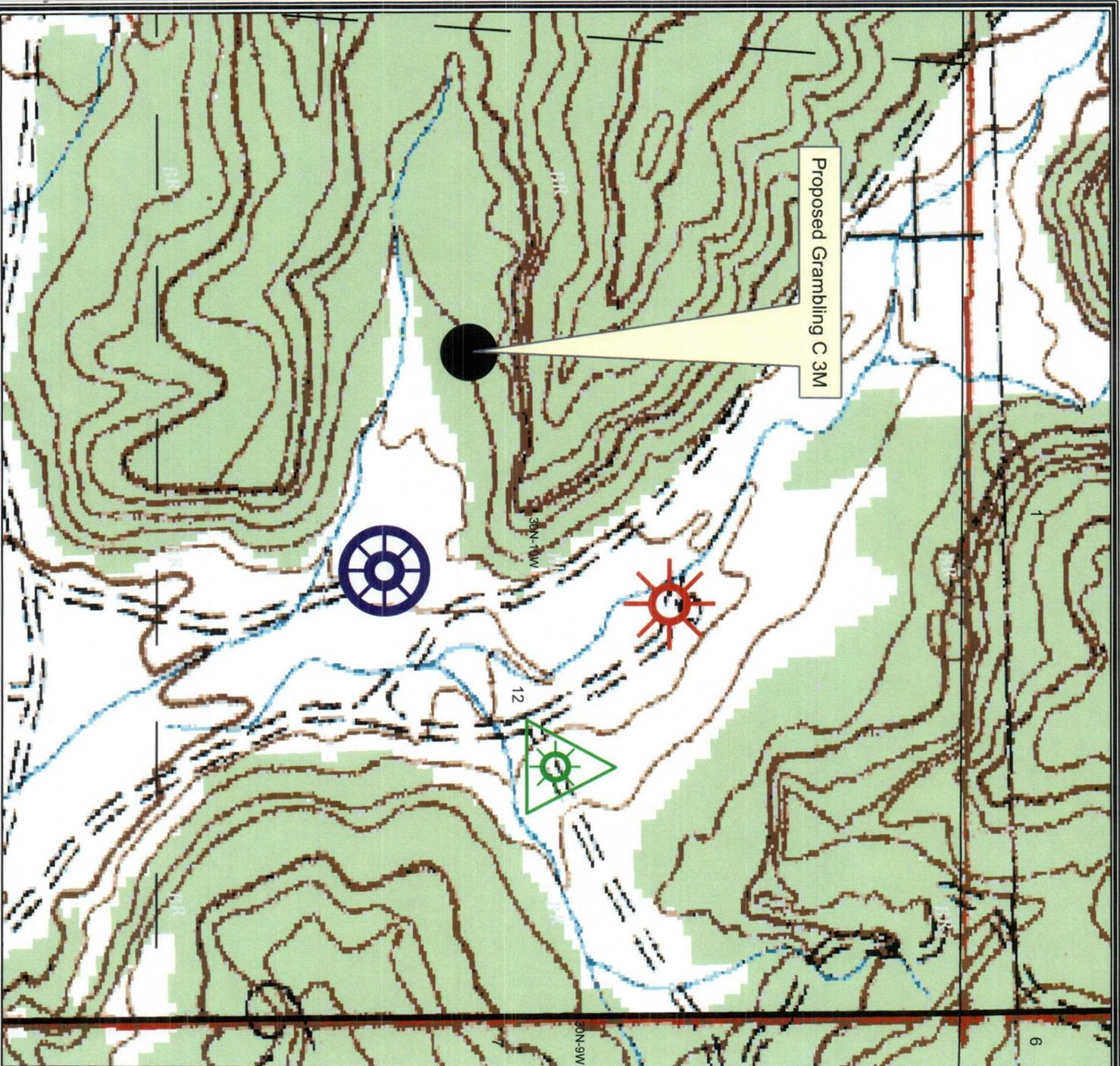
**SW/NE SEC 12, 500' NEW BLM ACCESS**

**GRAMBLING C #3M**

**500' NEW BLM ACCESS**

**EXISTING ACCESS**





Proposed Grambling C 3M



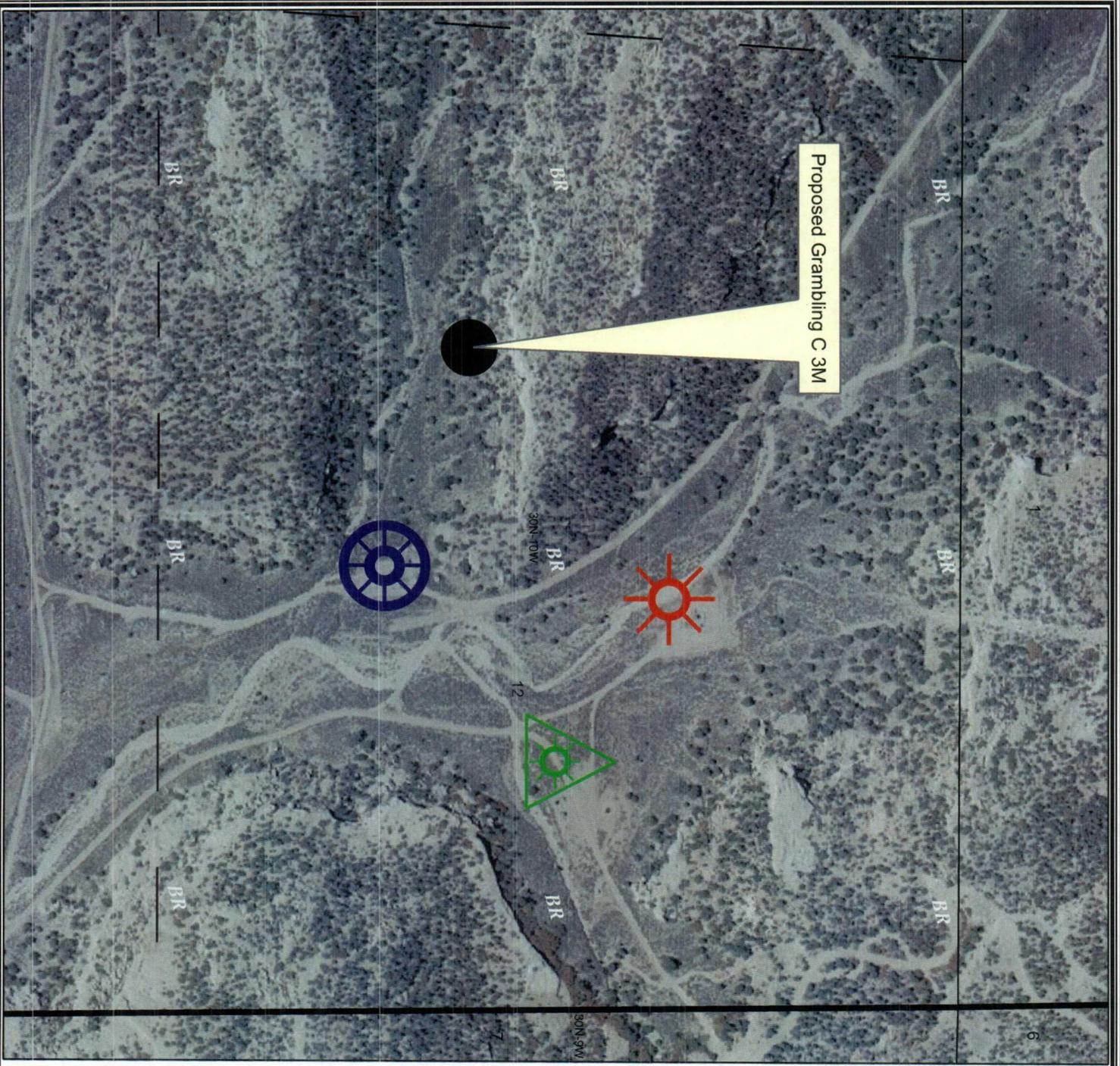
GCS North American 1927

**BURLINGTON RESOURCES**  
San Juan

**Grambling C #3M NSL**

Sec 12, T30N, R10W, NMPM

Prepared By: jec Date: 11/3/2005  
 File Number: Revised Date: 11/3/2005  
 File Name: \\data\Public\Projects\PL\ Sundres\_11w\PL Sundres\_11w.mxd



Proposed Grambling C 3M

**Legend**

<all other values>

• FRUITLAND

• FRUITLAND COAL

• PICTURED CLIFFS

• MESAVERDE

• GALLUP

• GALLUP /SD/ SH/

• DAKOTA

▭ Sections\_(SJD)

▭ Townships\_(SJD)

San Juan Aerial Photography BLM

**RGB**

■ Red: Band\_1

■ Green: Band\_2

■ Blue: Band\_3

**BURLINGTON RESOURCES**



GCS North American 1927

**BURLINGTON RESOURCES**  
*San Juan*

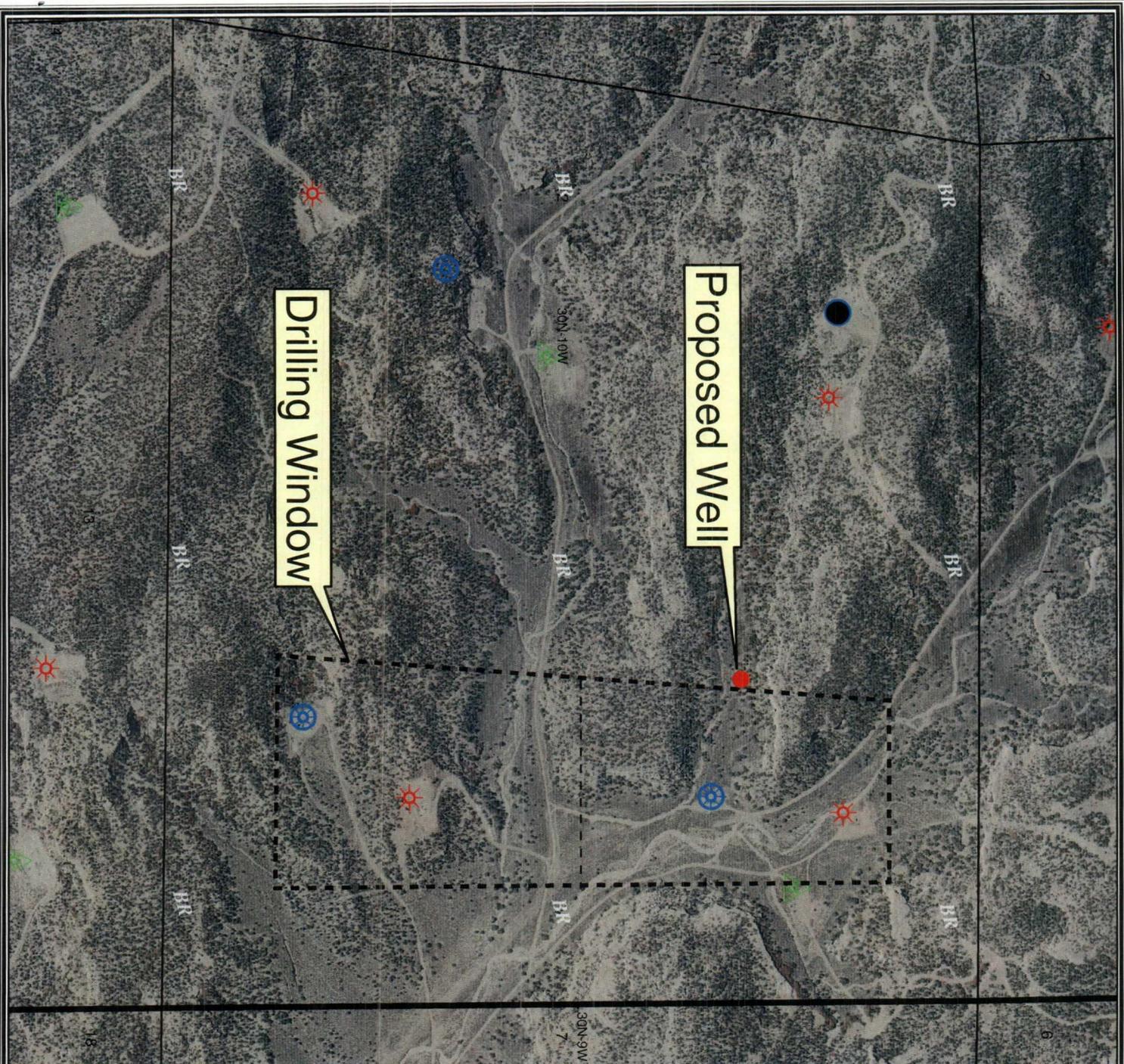
**Grambling C #3M NSL**

Sec 12, T30N, R10W, NM/PM

Prepared By: JEC Date: 11/3/2005

File Number: Revised Date: 11/3/2005

File Name: C:\Data\Public\Projects\Pit\_Sundries\_ILW\Pit\_Sundries\_ILW.mxd



**Legend**

- <all other values>
- ▽ FRUITLAND
- ▲ FRUITLAND COAL
- \* PICTURED CLIFFS
- ⊙ MESAVERDE
- ⊙ GALLUP
- ⊙ GALLUP /SD/ SH/
- ⊙ DAKOTA

N

**BURLINGTON RESOURCES**  
 © Unpublished Work, Burlington Resources, Inc.

0 250 500 1,000 1,500 2,000  
 Feet

1:11,000  
 - 1" equals 917' -  
 GCS North American 1927



**BURLINGTON RESOURCES**  
*San Juan*

**Grambling C # 3M**  
**Aerial Photography**

Prepared By: Alan Alexander      Date: 11/15/2005  
 File Number:                              Revised Date: 11/15/2005  
 File Name: c:\data\air\Process\San\_Juan\_Basin\_Templates\San\_Juan\_Basin\_Template.mxd

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2005 SEP 30 601 11 53

RECEIVED  
070 FARMINGTON NM

1. Type of Well  
GAS

2. Name of Operator  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
1645' FNL, 1785' FEL, Sec. 12, T30N, R10W, NMPM

5. Lease Number  
NMSF-078200-A  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name

8. Well Name & Number  
Grambling C #3M  
9. API Well No.  
30-045-33304  
10. Field and Pool  
Blanco Mesaverde/Basin Dakota  
11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Change of Footages or Location	

13. Describe Proposed or Completed Operations

It is intended to change the legal location of this well from 1605' FNL, 1905' FEL, as was submitted in the APD application to 1645' FNL, 1785' FEL. The T&E, pipeline and arch reports were submitted at new location with this APD package. Attached are the new C-102 plat, topo, and C-103 pit sundry and cut & fill diagram.

14. I hereby certify that the foregoing is true and correct.

Signed Joni Clark Title Sr. Regulatory Specialist Date 9/29/05

(This space for Federal or State Office use)

APPROVED BY [Signature] Title EPS Date 10/7/05

CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

OPERATOR

Submit 3 Copies To Appropriate District Office

State of New Mexico

Form C-103

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. 30-045-33306

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.  
NMSF-078200-A

7. Lease Name or Unit Agreement Name  
Grambling C

8. Well Number  
3M

9. OGRID Number  
14538

10. Pool name or Wildcat  
Blanco Mesaverde/ Basin Dakota

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 >200'

Pit Liner Thickness: na mill Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

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 G : 1645 feet from the North line and 1785 feet from the East line  
Section 12 Township 30N Range 10W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6368'

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 Pit

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.

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: Amanda Sandoval TITLE Regulatory Assistant II DATE 9/29/2005

Type or print name Amanda Sandoval E-mail address: asandoval@br-inc.com Telephone No. 505-326-9700

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. DATE OCT 17 2005

Conditions of Approval (if any): Set 200' surface Csg - per BLM C.O.A. to protect shallow ground water



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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

DISTRICT II  
611 South First, Artesia, N.M. 88210

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

2005 SEP 30 AM 11 53

AMENDED REPORT

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- <b>33306</b>		*Pool Code 72319/71599		*Pool Name 070 FARMINGTON Blanco Mesaverde/Basin Dakota	
*Property Code 7056		*Property Name GRAMBLING C			*Well Number 3M
*OGBD No. 14538		*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			*Elevation 6364'

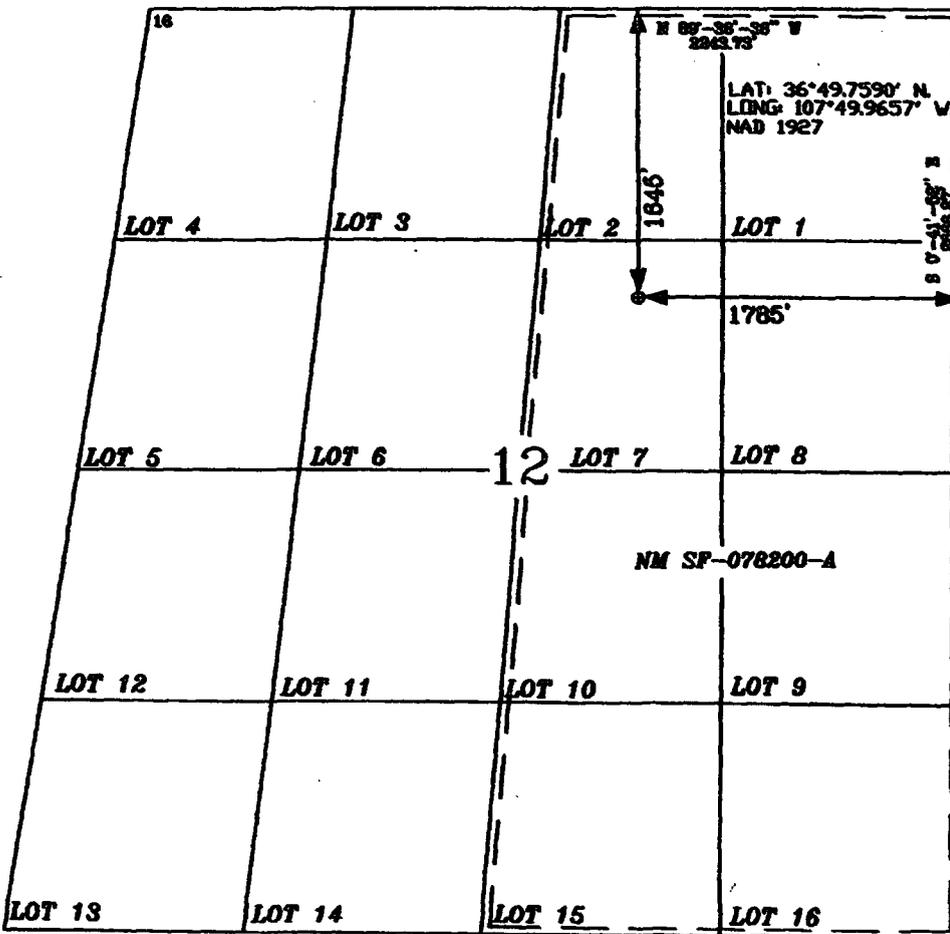
10 Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
G	12	30-N	10-W		1645'	NORTH	1785'	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres E/2 296 acres					Joint or Infill		Consolidation Code		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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Joni Clark*  
Signature  
Joni Clark  
Printed Name  
St. Regulatory Specialist  
Title  
9-29-05  
Date

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.

7-26-05  
Date of Survey  
Signature and Seal  
**GLENN W. RUSSELL**  
NEW MEXICO  
LICENSED PROFESSIONAL SURVEYOR  
15703  
Certificate Number 15703

Submit 3 Copies To Appropriate District Office  
 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

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 May 27, 2004

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

WELL API NO. 30-045-33306
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMSF-078200-A
7. Lease Name or Unit Agreement Name Grambling C
8. Well Number #3M
9. OGRID Number 14538
10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota

**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. 30<sup>th</sup> Street, Farmington, NM 87402

4. Well Location  
 Unit Letter G : 1645 feet from the North line and 1785 feet from the East line  
 Section 12 Township 30N Range 10W NMPM San Juan County

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

Pit or Below-grade Tank Application  or Closure

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Commingle New Drill <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

It is intended to commingle the subject well in the Blanco Mesaverde (Pool Code 72319) and the Basin Dakota (Pool Code 71599). The Production will be commingled according to Oil Conservation Division Order Number 11363. Allocation and methodology will be provided after the well is completed. Commingling will not reduce the value of the production. Bureau of Land Management has been notified in writing of this application.

Interest is common, no notification is necessary.

*DHC 2033 AZ*

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 .

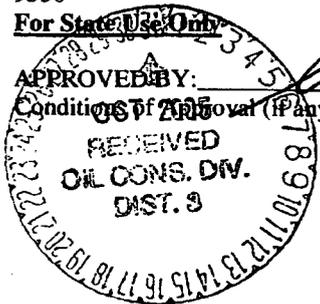
SIGNATURE *Philana Thompson* TITLE Regulatory Associate II DATE 10/31/05

Type or print name Philana Thompson E-mail address: pthompson@br-inc.com Telephone No. 505-326-9530

For State Use Only

APPROVED BY: *[Signature]* TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 9 DATE OCT 31 2005

Conditions of Approval (if any):



Sec : 12 Twp : 30N Rng : 10W Section Type : NORMAL

4 34.77 Federal owned A	3 34.84 Federal owned A	2 34.93 Federal owned A	1 35.00 Federal owned A
5 36.17 Federal owned	6 36.24 Federal owned	7 36.37 Federal owned A	8 36.44 Federal owned A
12 37.54 Federal owned A	11 37.55 Federal owned A	10 37.63 Federal owned	9 37.65 Federal owned
13 38.93 Federal owned A	14 38.94 Federal owned	15 38.98 Federal owned A	16 39.00 Federal owned