

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2006 MAR 13 PM 3 28 RECEIVED 070 FARMINGTON NM	5. Lease Number SF-080669 Unit Reporting Number NMNM-07840875-DK NMNM-078408A MV
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company LP		7. Unit Agreement Name San Juan 27-4 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #48M
4. Location of Well Unit I (NESE), 1400' FSL & 270' FEL, Lat. 36*33.3242'N Long. 107*15.9233'W		10. Field, Pool, Wildcat Blanco MV/ Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 20, T27N, R4W API # 30-039-29837
14. Distance in Miles from Nearest Town Gobernador 18 miles		12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 270'		13. State NM
16. Acres in Lease		17. Acres Assigned to Well DK 320 S/2, MV 320 E/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1360' MV DK		
19. Proposed Depth 8098'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6797' GR & 6809' KB		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u><i>Richard Thompson</i></u> Regulatory Compliance Associate II		<u>3/13/06</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *D. Montez* TITLE ASU DATE 5/3/06

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.

This well is NOT in the HPA area.

This action is subject to technical and procedural review pursuant to 43 CFR 3160.3 and applicable to 43 CFR 3160.3.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
GENERAL INSTRUCTIONS.

R

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

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

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

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

District IV
PO Box 2088, Santa Fe, NM 87504-2088

2006 MAR 13 PM 3 28

☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039 29837	*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 7452	*Property Name SAN JUAN 27-4 UNIT	*Well Number 48M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6797'

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
I	20	27N	4W		1400	SOUTH	270	EAST	RIO ARRIBA

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
I	20	27N	4W		1400	South	270	East	Rio Arriba

¹² Dedicated Acres Dakota 320 S/2, Mesaverde 320 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Frances Bond</u> Signature Frances Bond Printed Name Regulatory Specialist Title November 9, 2005 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. Survey Date: OCTOBER 27, 2005 Signature and Seal of Professional Surveyor <u>Jason C. Edwards</u> Certificate Number 15269

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

<p>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.)</p>		<p>WELL API NO. 30-039- 29837</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/></p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/></p>
<p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP</p>		<p>6. State Oil & Gas Lease No. Federal Lease - SF-080669</p>
<p>3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402</p>		<p>7. Lease Name or Unit Agreement Name San Juan 27-4 Unit</p>
<p>4. Well Location Unit Letter <u>I</u> : <u>1400'</u> feet from the <u>South</u> line and <u>270'</u> feet from the <u>East</u> line Section <u>20</u> Township <u>27N</u> Range <u>4W</u> NMPM County <u>Rio Arriba</u></p>		<p>8. Well Number #48M</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6797' GR</p>		<p>9. OGRID Number 14538</p>
<p>Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/></p>		<p>10. Pool name or Wildcat Blanco MV/ Basin DK</p>
<p>Pit type <u>New Drill</u> Depth to Groundwater <u><50</u> Distance from nearest fresh water well <u>>1000'</u> Distance from nearest surface water <u><1000'</u></p>		
<p>Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u> </u> bbls; Construction Material <u> </u></p>		

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 and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined 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 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 Philana Thompson TITLE Regulatory Associate II DATE 1/25/2006

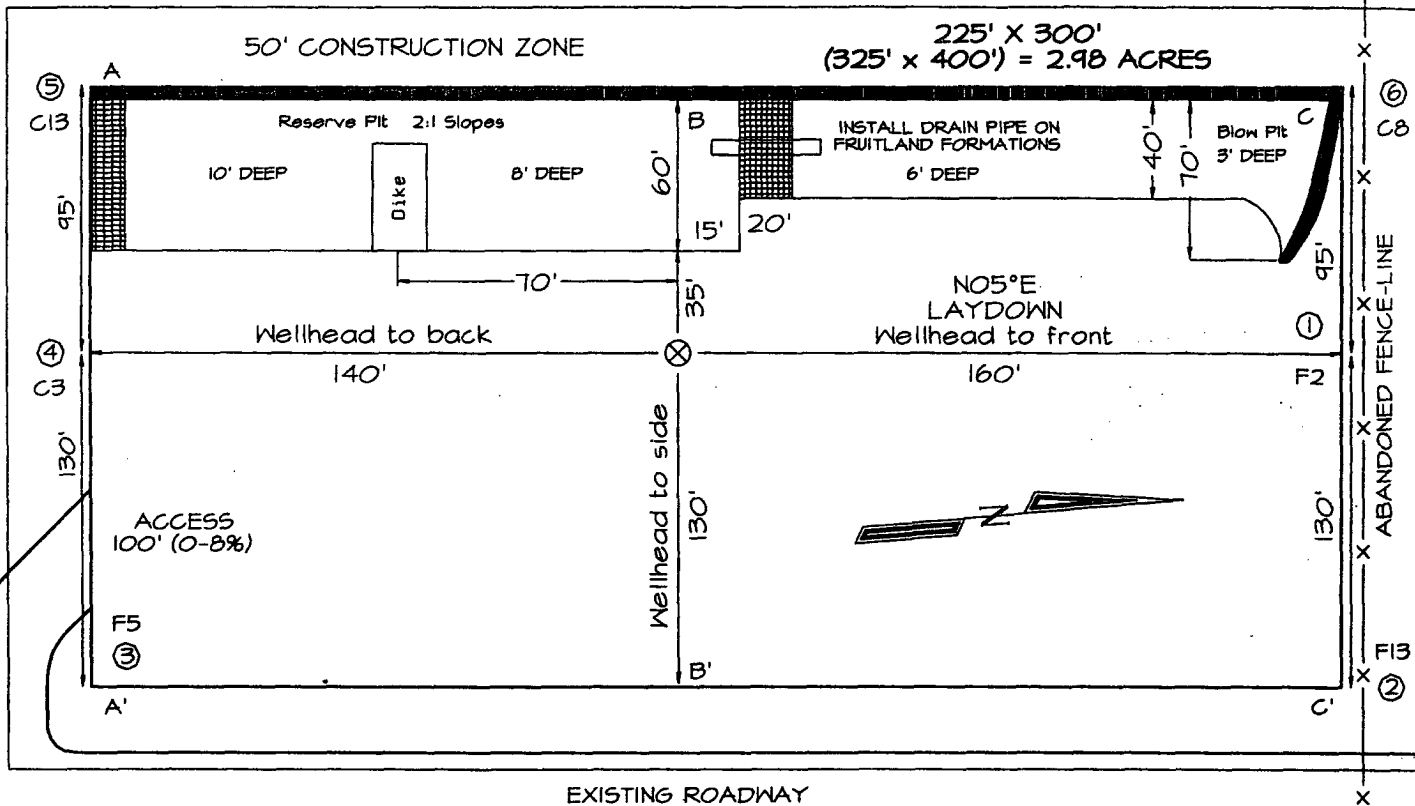
Type or print name Philana Thompson E-mail address: pthompson@br-inc.com Telephone No. 505-326-9530
For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE MAY 05 2006
Conditions of Approval (if any):

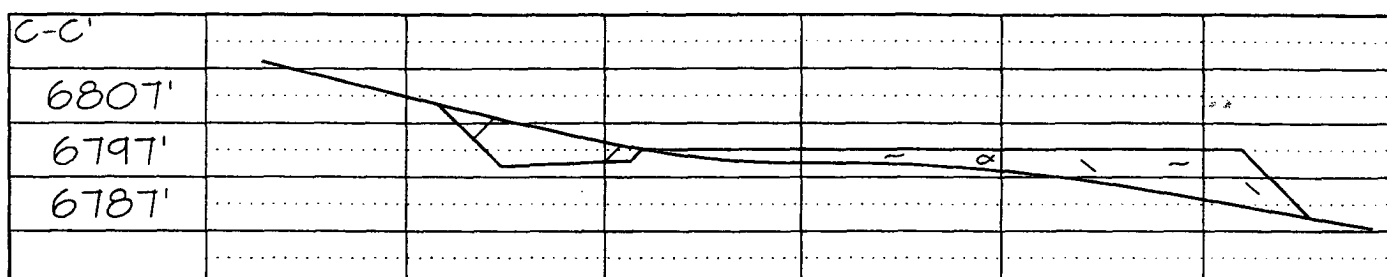
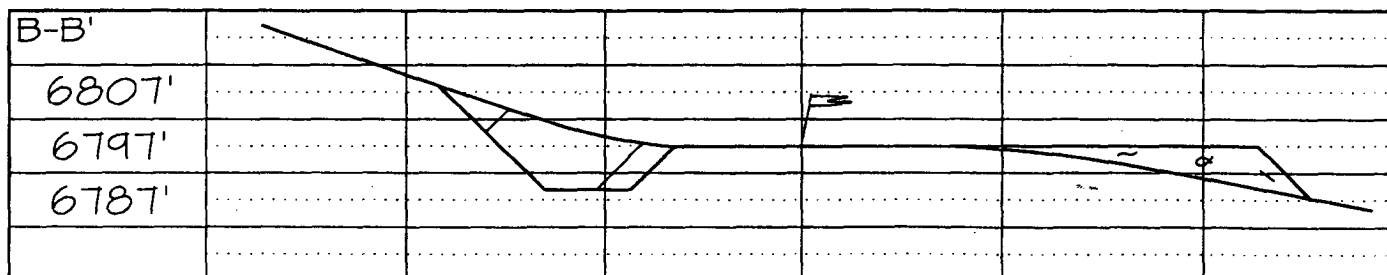
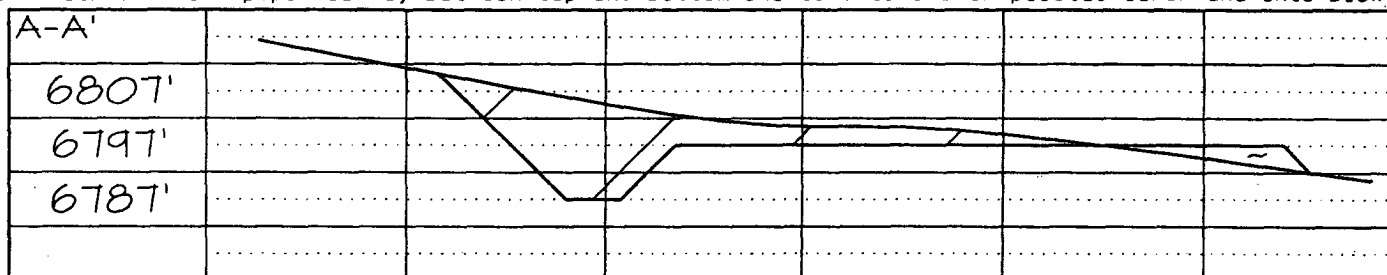
PLAT #1

BURLINGTON RESOURCES OIL & GAS COMPANY, LP
SAN JUAN 27-4 UNIT #48M, 1400' FSL & 270' FEL
SECTION 20, T27N, R4W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6797' DATE: OCTOBER 27, 2005

LATITUDE: 36°33'19"
LONGITUDE: 107°15'55"
 DATUM: NAD1927



Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.



Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #48M

Location: 1400' FSL & 270' FEL, Sec. 20, T27N, R4W
Rio Arriba County, NM

Latitude 36° 33.3242'N, Longitude 107° 15.9233'W

Formation: Blanco Mesaverde/Basin Dakota

Total Depth: 8098'

Logging Program: See San Juan 27-4 Unit Master Operations Plan

Mud Program: See San Juan 27-4 Unit Master Operations Plan

Casing Program (as listed, the equivalent, or better):


Hole Size	Depth Interval	Csg	Wt.	Grade	Cement	
12 1/4	0' - 120	9.625"	32.3#	H-40	113	cu.ft
8 3/4	0' - 3937	7"	20.0#	J-55	881	cu.ft
6 1/4	0' - 8098	4.5"	11.6#	N-80	567	cu.ft

Tubing Program: See San Juan 27-4 Unit Master Operations Plan

- * The Mesaverde and Dakota formations will be completed and commingled.
- * The west half of Section 20 is dedicated to the Mesaverde and the Dakota formation in this well.
- * Gas is dedicated.


Drilling Engineer

1/4/2006
Date

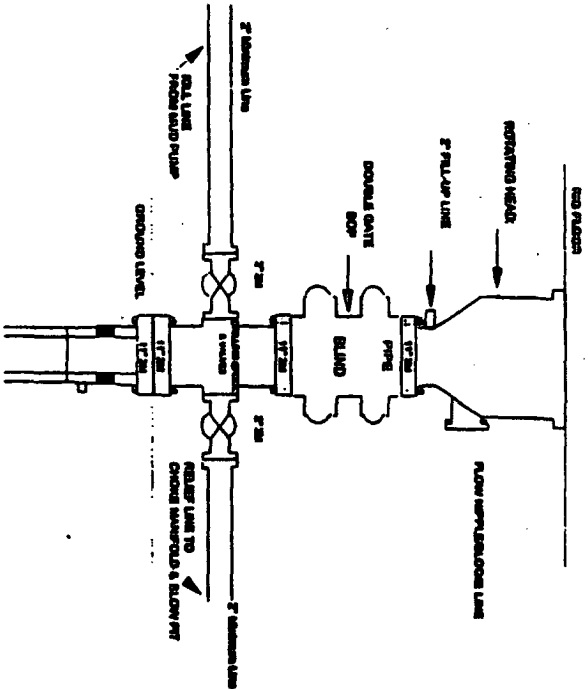
C. HARRADEN/ March 14, 2006 

BURLINGTON RESOURCES/ San Juan 27-4 Unit #48M APD
STIPULATION/CONDITION OF APPROVAL

This well is located within a 'vulnerable area'. In order to protect the integrity of the fresh water alluvium aquifer, a minimum surface csg. depth of 200' is stipulated as a condition of approval for this APD.

Burlington Resources

Drilling Rig 2000 psi System



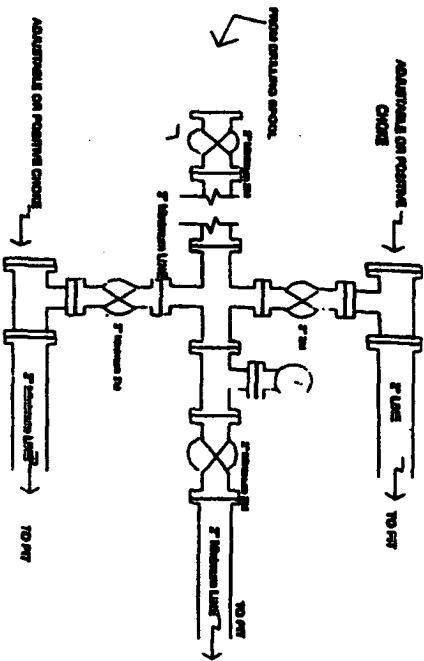
BOP insulation from Surface Casing Point to Total Depth. 11' Bone 10' Insulation, 2000 psi working pressure double gate BOP to be equipped with blind stems and pipe rams. A 500 psi working head on top of ram prevention. All BOP equipment is 2,000 psi working pressure.

Figure #1

4-20-01

BURLINGTON RESOURCES

Drilling Rig Choate Manifold Configuration 2000 psi System



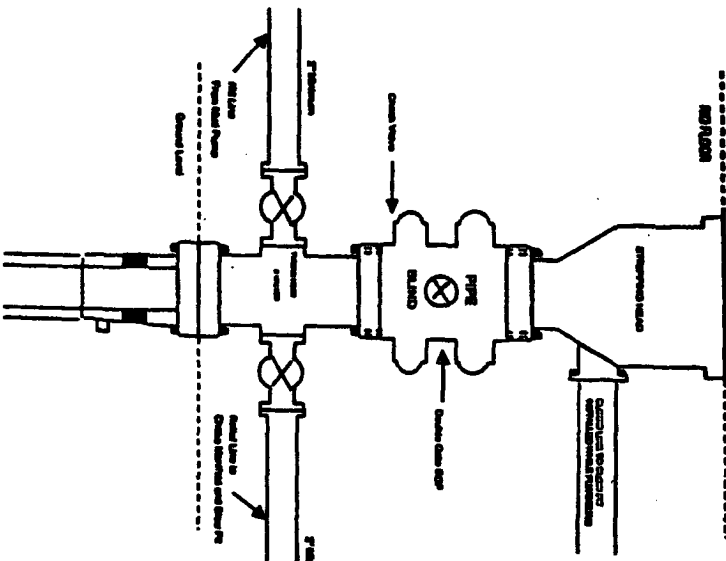
Choate manifold insulation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two choates.

Figure #3

4-20-01

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 psi System



Minimum BOP insulation for all Completion/Workover Operations. 7'-11/16' Bone, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 500 psi stripping head.

Figure #2