

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD MAY 5 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-080671-A Unit Reporting Number	
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 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 #153B	
4. Location of Well <i>SENW</i> Surf: Unit <i>E</i> (SWNW), 2294' FNL & 1655' FWL  <i>AT</i> SURF: Latitude 36° 36.1769183 N Longitude 107° 13.4304302 W	10. Field, Pool, Wildcat Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) <i>F</i> Surf: Sec. 02, T27N, R4W  API # 30-039- <i>30268</i>	
14. Distance in Miles from Nearest Town 64.7 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 985'	17. Acres Assigned to Well 320.12 (W/2)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease		
19. Proposed Depth 6795'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7248' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Kandis Roland</i> Kandis Roland (Regulatory Technician)	<i>5/22/07</i> 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 3

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

MAY 05 2008  
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

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 Dr.  
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

RECEIVED  
MAY 22 PM 3:25  
210 FARMER  
AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039- 30268	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name BLANCO MESA VERDE
<sup>4</sup> Property Code 7452	<sup>5</sup> Property Name SAN JUAN 27-4 UNIT	<sup>6</sup> Well Number 153B
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 7248'

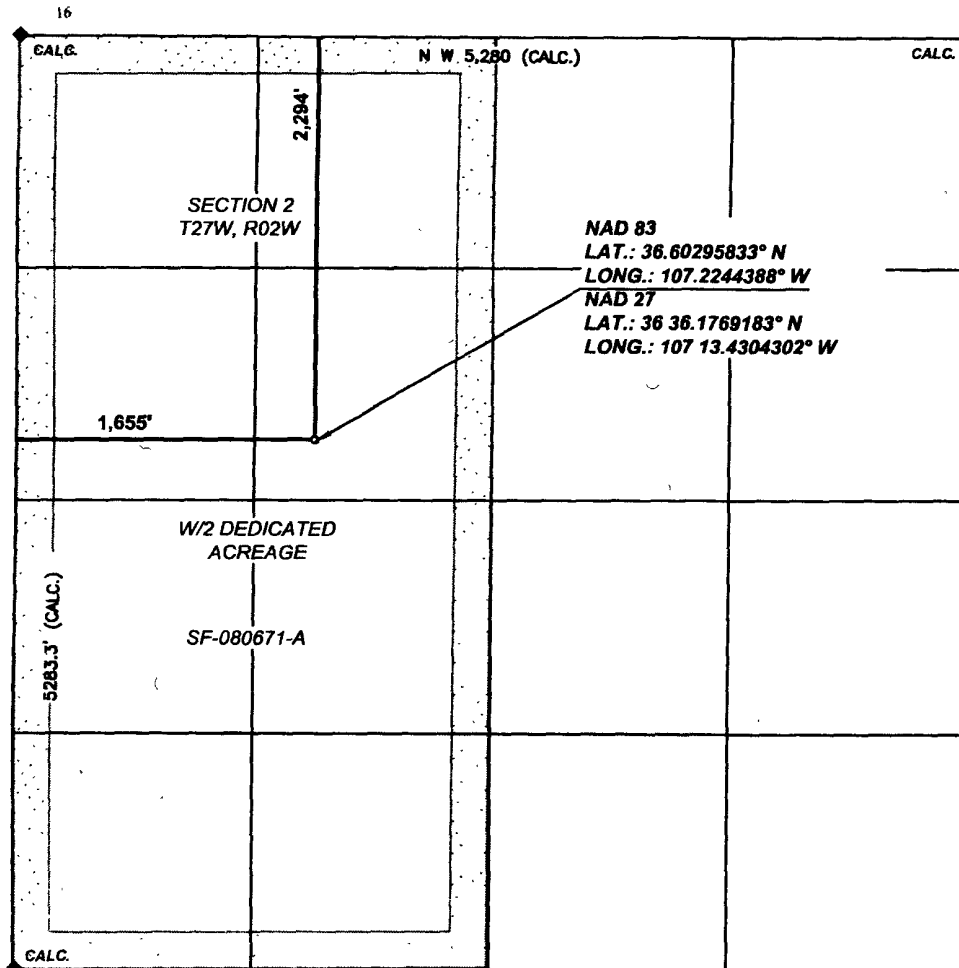
<sup>10</sup> SURFACE LOCATION

UL or lot no. E	Section 02	Township 27-N	Range 04-W	Lot Idn	Feet from the 2294	North/South line NORTH	Feet from the 1655	East/West line WEST	County RIO ARRIBA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. E	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320.12 W/2					<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

<sup>17</sup> 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*  
Signature

Kandis Roland  
Printed Name

Regulatory Technician  
Title and E-mail Address

December 12 2006  
Date

<sup>18</sup> 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: 8/11/06  
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

District I

Energy, Minerals and Natural Resources

May 27, 2004

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. 30-039- <u>302608</u>	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. Federal Lease USA SF-080671-A	
7. Lease Name or Unit Agreement Name San Juan 27-4 Unit	
8. Well Number 153B	
9. OGRID Number 14538	
10. Pool name or Wildcat Blanco MV	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7248'	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type <u>New Drill</u> Depth to Groundwater <u>&gt;100</u> Distance from nearest fresh water well <u>&gt;1000</u> Distance from nearest surface water <u>2200</u> <u>1000</u>	
Pit Liner Thickness: <u>N/A</u> mil Below-Grade Tank: <u>Volume</u> bbls; Construction Material <u></u>	

**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 N : 2294' feet from the North line and 1655' feet from the West line  
Section 2 Township 27N Rng 4W NMPM County Rio Arriba

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: <u>New Drill</u> <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.

New Drill, Unlined:

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, vent/flare pit and pre-set mud pit will be unlined 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 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 ☐.

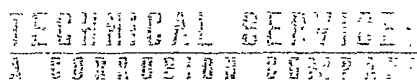
SIGNATURE Kandis Roland TITLE Regulatory Technician DATE 5/22/07

Type or print name Kandis Roland E-mail address: urnskr@conocophillips.com Telephone No. 505-326-9743

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAY 05 2008

Conditions of Approval (if any):

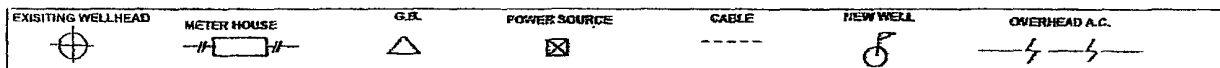
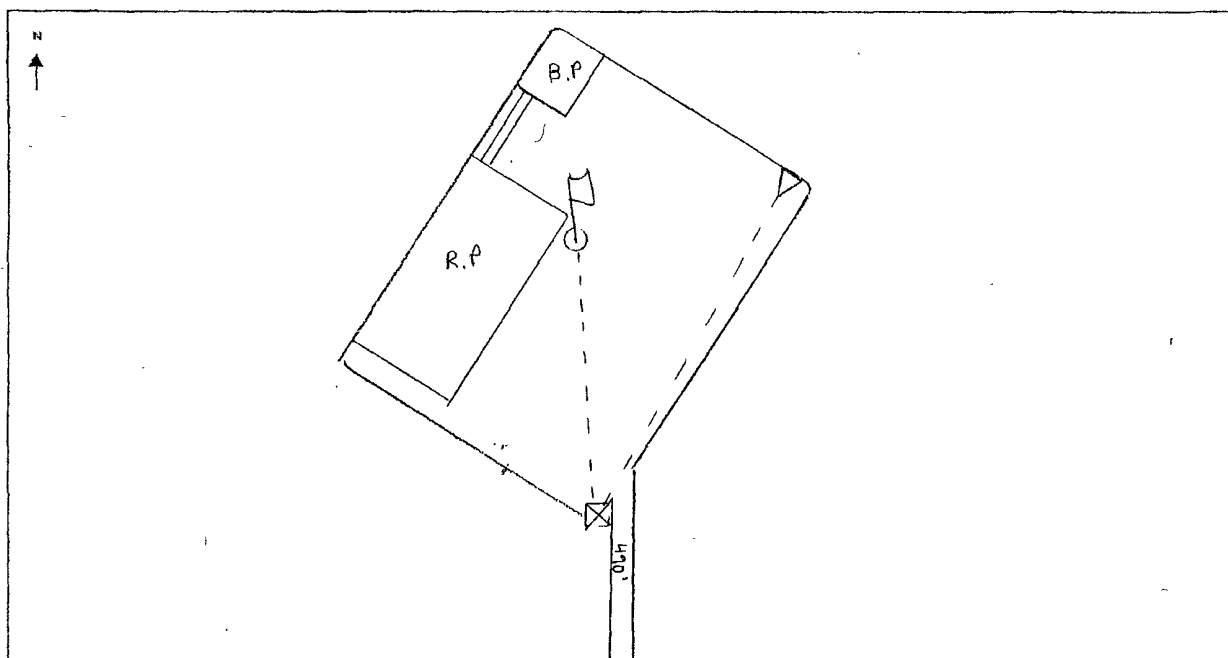


WELL NAME ST 27-4 #153B

LEGALS E-2-27-4

COUNTY Rio Arriba

**PURPOSED C.P. SYSTEM:** Drill GB on NE corner of location and set solar on south corner of location. Trench approx 220' of #8 rebar from GB to solar. Trench approx 200' of #8 neg. cable from wellhead to the solar.



**COMMENTS:**

NEAREST POWER SOURCE *N/A*

**DISTANCE:**

PIPELINES IN AREA: N/A

TECHNICIAN: Michael J. Higgins

DATE: 2/25/07

6 CR 5412 BLOOMFIELD, N.M. 87413  
OFFICE: 505-634-0271 CELL: 505-793-6953

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 153B

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7570		AFE \$: 565,465.85	
Field Name: hBR SAN JUAN 27-4 UNIT		Rig: Aztec Rig 580		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:	Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:	Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797	Proj. Field Lead:	Phone:	

## Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.602948	Longitude: -107.223840	X:	Y:	Section: 02	Range: 004W
Footage X: 1655 FWL	Footage Y: 2294 FNL	Elevation: 7248	(FT)	Township: 027N	
Tolerance:					

Location Type: Restricted	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 7262 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	200	7062	<input type="checkbox"/>			12-1/4" hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cu. ft. Circulate cement to surface.
OJAM	3669	3593	<input type="checkbox"/>			Possible water flows.
KRLD	3734	3528	<input type="checkbox"/>			
FRLD	3947	3315	<input type="checkbox"/>			Possible gas.
PCCF	4107	3155	<input type="checkbox"/>			
LEWS	4225	3037	<input type="checkbox"/>			
Intermediate Casing	4325	2937	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC casing. Cement with 975 cu. ft. Circulate cement to surface.
HURF	4816	2446	<input type="checkbox"/>			
CHRA	5122	2140	<input type="checkbox"/>			
UCLFH	5738	1524	<input type="checkbox"/>			
CLFH	5937	1325	<input type="checkbox"/>			Gas; possibly wet
MENF	6026	1236	<input type="checkbox"/>			Gas.
PTLK	6314	948	<input type="checkbox"/>			Gas.
TD	6795	467	<input type="checkbox"/>	900		100' below lowest perf, #153. 6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 341 cu. ft. Circulate cement a minimum of 100' inside previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 27-4 #153	NW 2-27N-4W

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 153B

DEVELOPMENT

<b>Logging Program:</b>			
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 - MVNM027N004W02NW2

Zones - MVNM027N004W02NW2

General/Work Description - Moved project from 2007 to 2008 because it has not passed onsite yet. 5/2/07 - LM



**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

**SAN JUAN 27-4 UNIT #153B**

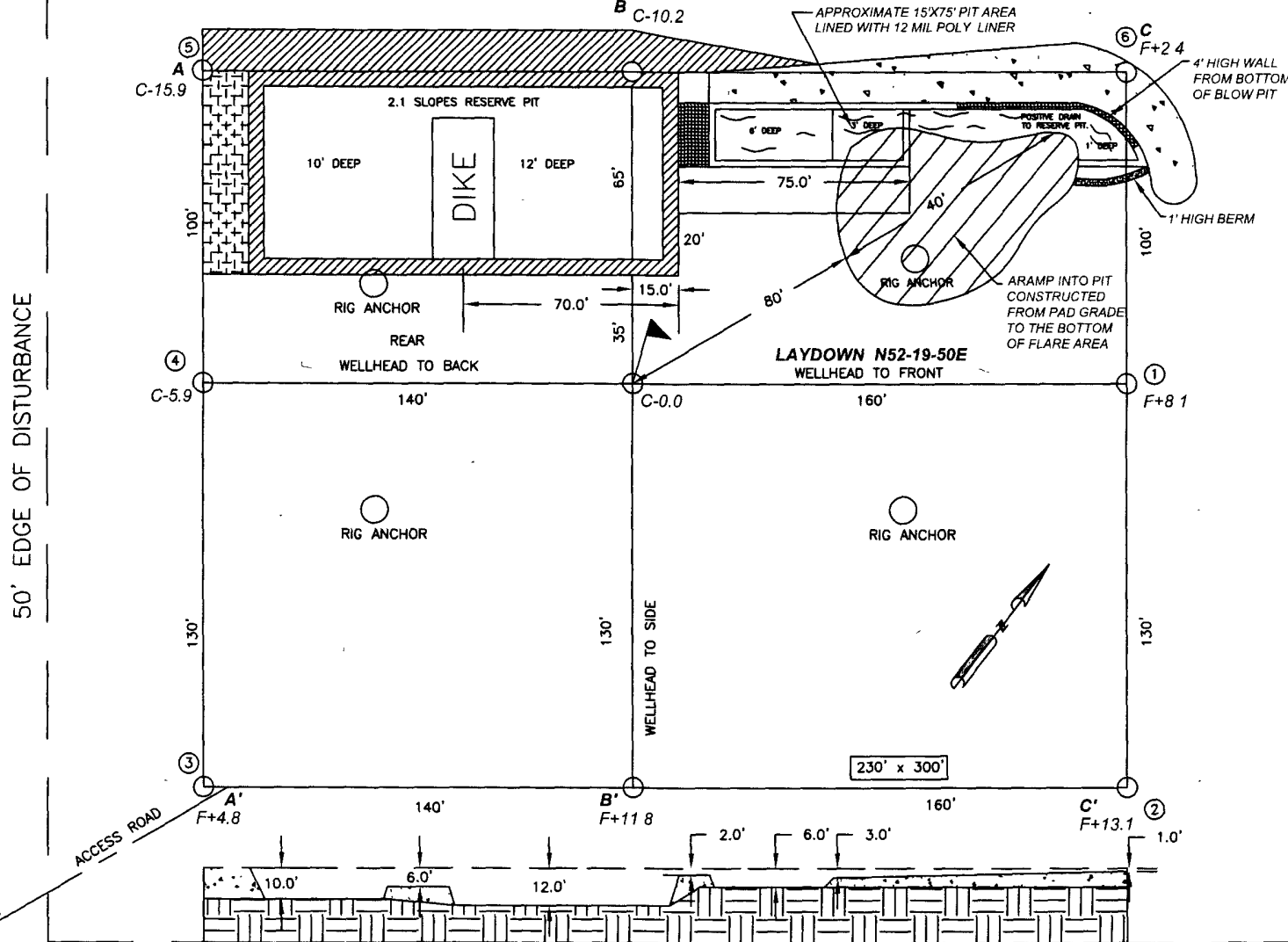
2,294' FNL, 1,655' FWL

**SECTION 02, T27N, R04W, N.M.P.M.,**

**RIO ARRIBA COUNTY, NEW MEXICO**

**GROUND ELEV.: 7,248' NAVD88      DATE: AUGUST 11, 2006**

**NEW ACCESS ROAD 490'**



NOTES:

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS 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 WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

**CCI**

 **CHENAULT CONSULTING INC.**

1300 W BROADWAY  
BLOOMFIELD, NM, 87413  
PHONE (505)632-7777

## PIT CROSS SECTION

NAD 83 LAT.: 36 60295833° N/ LONG.: 107.2244388° W

330' x 400' = 3.03 ACRES

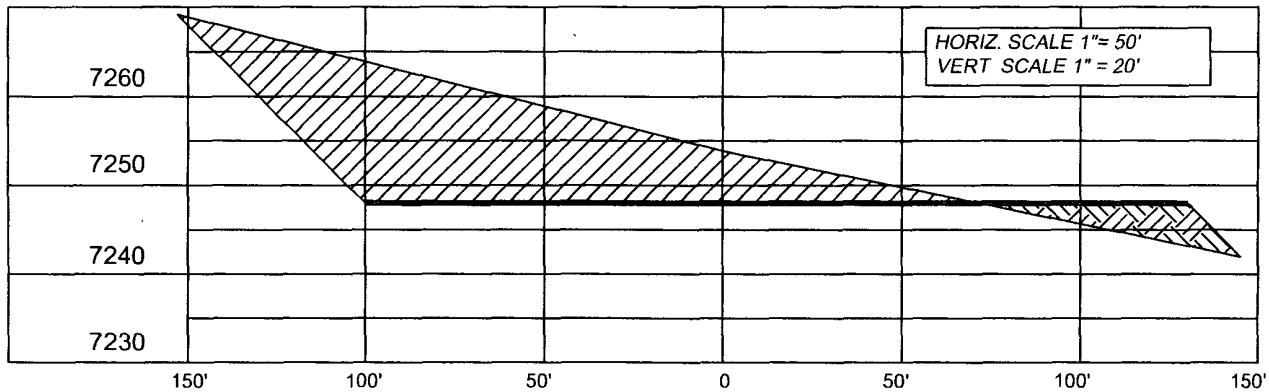


# BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 153B  
 2,294' FNL, 1,655 FWL  
 SECTION 02, T27N, R04W, N.M.P.M.,  
 RIO ARRIBA, NEW MEXICO  
 ELEV.:7,248' NAVD88

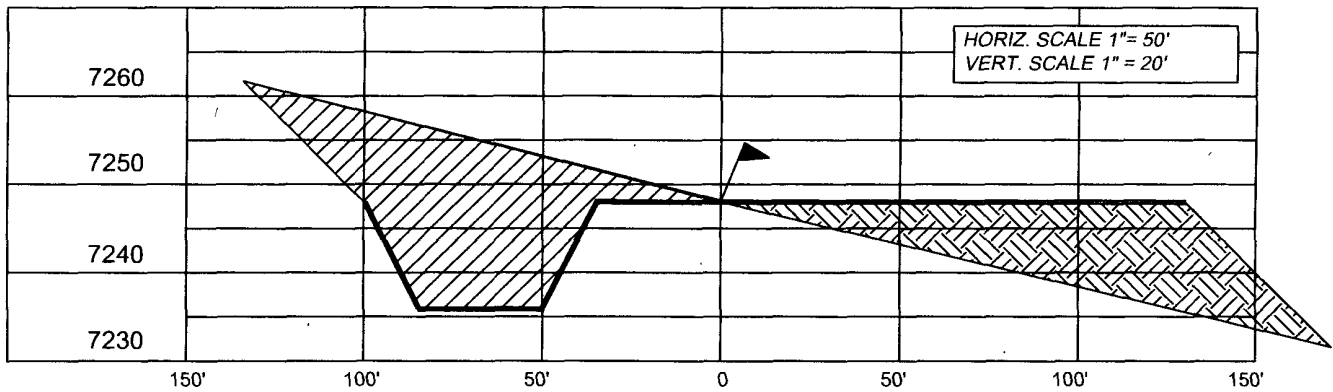
A - A'

C/L



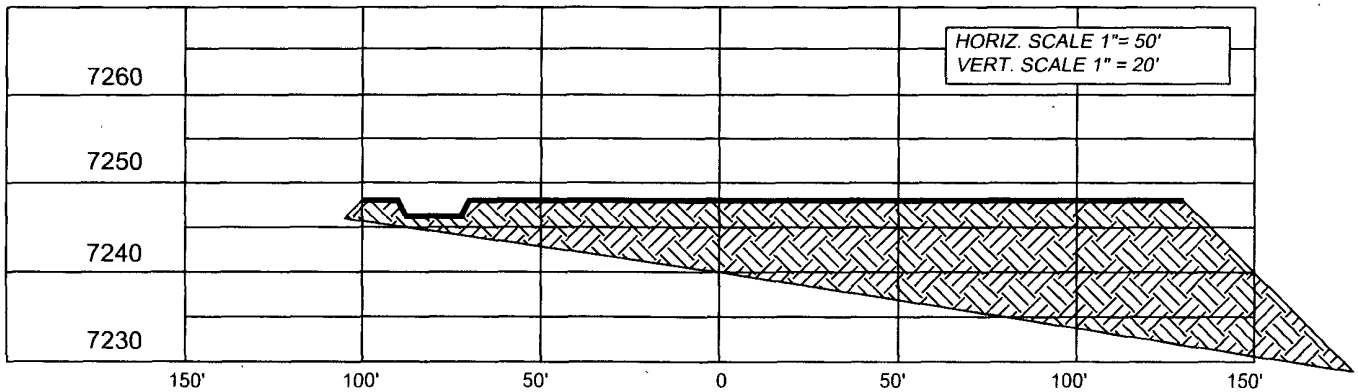
B - B'

C/L



C - C'

C/L



NOTE: CCI 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 WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION

## REVISIONS

NO	DESCRIPTION	REVISED BY	DATE

**CCI**

1300 W BROADWAY  
 BLOOMFIELD, NM, 87413  
 PHONE (505)632-7777

**CHENAULT CONSULTING INC.**