

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078884 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 Canyon Largo Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4. Location of Well Unit I (NESE), 1610' FSL & 1205' FEL  Latitude 36.397211 N. Longitude 107.432063 W.	9. Well Number #279E
10. Field, Pool, Wildcat Basin Dakota	11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 14, T25N, R06W API # 30-039-30439
12. County Rio Aribba	13. State NM
14. Distance in Miles from Nearest Town 39.0 Miles/Blanco	15. Distance from Proposed Location to Nearest Property or Lease Line 1610'
16. Acres in Lease 2560.000	17. Acres Assigned to Well DK 320.00 E/2
18. Distance from Proposed Location to Nearest Well, Drlg. Compl. or Applied for on this Lease 85' from Canyon Largo Unit 229	19. Proposed Depth 7066'
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 6529' GL
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>12/14/07</u>

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 4

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

NMOC

8 JAN 08 2008

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

NSL-NU  
Q.Q. - OK  
Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 7 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-30439	<sup>2</sup> Pool Code 71599	<sup>3</sup> Pool Name BASIN DAKOTA
<sup>4</sup> Property Code 6886	<sup>5</sup> Property Name CANYON LARGO UNIT	<sup>6</sup> Well Number 279E
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 6529

<sup>10</sup> 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	14	25-N	6-W		1610	SOUTH	1205	EAST	RIO ARRIBA

<sup>11</sup> 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									

<sup>12</sup> Dedicated Acres 320.00 E/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>16</sup> <div style="text-align: center;"> <p>E/2 DEDICATED ACREAGE SF-078884 SECTION 14 T-25-N, R-6-W</p> <p>WELL FLAG NAD 83 LAT: 36.397211° N LONG: 107.432063° W NAD 27 LAT: 36°23.831982' N LONG: 107°25.887620' W</p> </div>	<sup>17</sup> OPERATOR CERTIFICATION <p>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.</p> <p><i>Jamie Goodwin</i> Signature          Jamie Goodwin Printed Name          Regulatory Tech Title and E-mail Address          10/03/2007 Date</p>	
	<sup>18</sup> SURVEYOR CERTIFICATION <p>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.</p> <p>Date of Survey: 9/04/07          Signature and Seal of Professional Surveyor:            Certificate Number: NM 11393</p>	
	<p>2610.3' (R) 2609.0' (M)</p> <p>1205'</p> <p>1610'</p> <p>N 0°12' W N 0°25'14" W</p> <p>S 89°40' W S 89°25'17" W</p> <p>2591.2' (R) 2588.5' (M)</p>	

Office

Energy, Minerals and Natural Resources

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.

30-045-30439

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

Federal Lease #NMSF078884

7. Lease Name or Unit Agreement Name

Canyon Largo Unit

8. Well Number

#279E

9. OGRID Number

14538

10. Pool name or Wildcat

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 &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter I : 1610' feet from the South line and 1205' feet from the East line  
Section 14 Township 25N Rng 6W NMPM County Rio Arriba

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

6529'

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

Pit Liner Thickness:

12

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

Synthetic

## 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

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 Jamie Goodwin TITLE Regulatory Technician DATE 10/11/2007Type or print name Jamie Goodwin E-mail address: goodwin@conocophillips.com Telephone No. 505-326-9784

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JAN 08 2008

Conditions of Approval (if any):

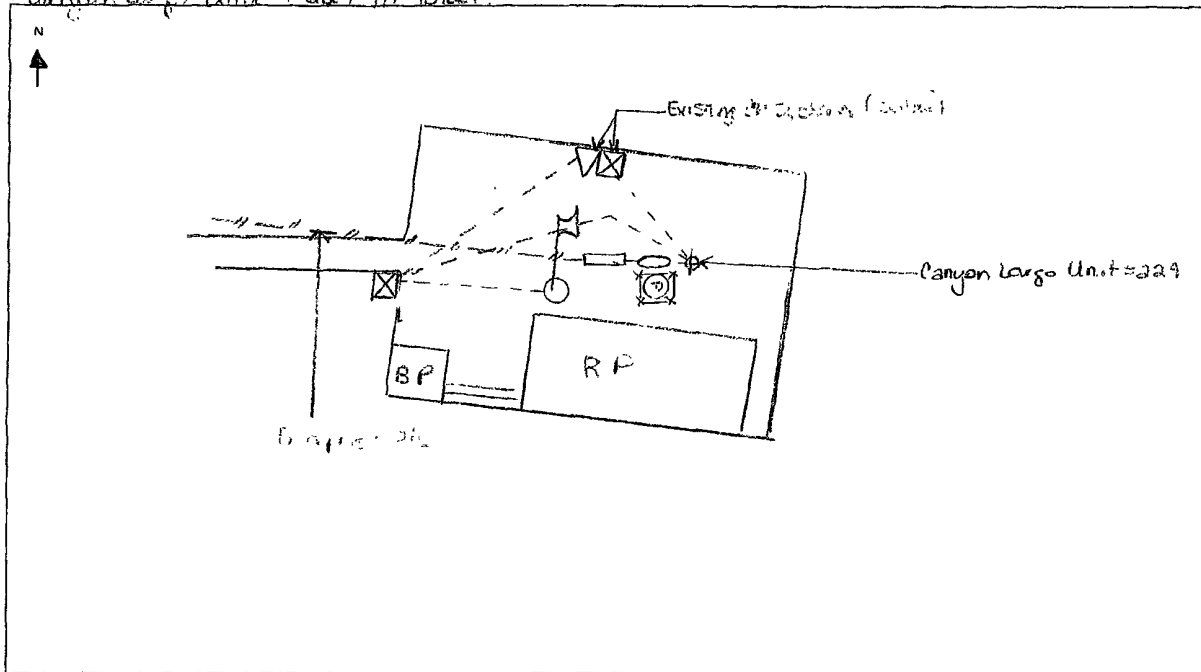


10/11/07 10:00 AM  
317309151 0011 07

## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME W-1 LEGALS 100' x 100' COUNTY San Juan

PURPOSED C.P. SYSTEM: Relocate and upgrade existing solar to Wedge of the location (S side of access). Trench approx 100' of positive from solar to solar. Trench approx 180' of #8 neg from proposed well to solar. Trench approx 250' of #8 neg from existing Canyon Largo Unit #229 to solar.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS:  $5.13v / 4.5amp$  (with 4.5amp)  $= 5.13v / 4.5amp = 1.09 ohm$  GB

NEAREST POWER SOURCE N/A DISTANCE:

PIPELINES IN AREA: San Juan River

TECHNICIAN: Jeffrey L. Johnson DATE: 10/11/07

*Handwritten signature/initials*

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 279E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7116				AFE \$: 595,007.20	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA		API #:
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:	
<b>Primary Objective (Zones):</b>							
<b>Zone</b>	<b>Zone Name</b>						
FRR	BASIN DAKOTA (PRORATED GAS)						
<b>Location:</b> Surface <b>Datum Code:</b> NAD 27 <b>Well Type:</b> Straight Hole							
Latitude: 36.397200		Longitude: -107.431460		X:	Y:	Section: 14	Range: 006W
Footage X: 1205 FEL		Footage Y: 1610 FSL		Elevation: 6529 (FT)	Township: 025N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6541 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	6221	<input type="checkbox"/>			320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 312 cuft. Circulate cement to surface.	
OJO ALAMO	1956	4585	<input type="checkbox"/>				
KIRTLAND	2144	4397	<input type="checkbox"/>				
FRUITLAND	2309	4232	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	2553	3988	<input type="checkbox"/>				
LEWIS	2600	3941	<input type="checkbox"/>				
HUERFANITO BENTONITE	2937	3604	<input type="checkbox"/>				
CHACRA	3390	3151	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	4109	2432	<input type="checkbox"/>				
MENEFEE	4193	2348	<input type="checkbox"/>				
MASSIVE POINT LOOKOUT	4772	1769	<input type="checkbox"/>			GAS	
MANCOS	5113	1428	<input type="checkbox"/>				
UPPER GALLUP	5797	744	<input type="checkbox"/>				
GREENHORN	6682	-141	<input type="checkbox"/>				
GRANEROS	6736	-195	<input type="checkbox"/>				
TWO WELLS	6792	-251	<input type="checkbox"/>	2750		Gas	
PAGUATE	6832	-291	<input type="checkbox"/>				
UPPER CUBERO	6875	-334	<input type="checkbox"/>				
LOWER CUBERO	6907	-366	<input type="checkbox"/>				
OAK CANYON	6934	-393	<input type="checkbox"/>				
ENCINAL	6978	-437	<input type="checkbox"/>				
BURRO CANYON	7003	-462	<input type="checkbox"/>				
MORRISON	7046	-505	<input type="checkbox"/>				
TOTAL DEPTH DK	7066	-525	<input type="checkbox"/>			TD 40' below T/MRSN. 6-1/4" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 2076 cuft	

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	Canyon Largo 229	Twin PC well

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 279E

DEVELOPMENT

Production	Canyon Largo 288	
Production	Canyon Largo 449	
Production	Canyon Largo 279	

**Logging Program:**

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR\_CBL.  
Est bottom perf -392 ft

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - DKNM025N006W14SE1 Twin CLU 229 (PC) - only well in 1/4 - else prefer I,P,O,J.

Zones - DKNM025N006W14SE1

General/Work Description - 8/9/07 - Project moved from 2009 to 2008 per J. Carrillo - LM



# BURLINGTON RESOURCES OIL AND GAS COMPANY LP

CANYON LARGO UNIT #279E

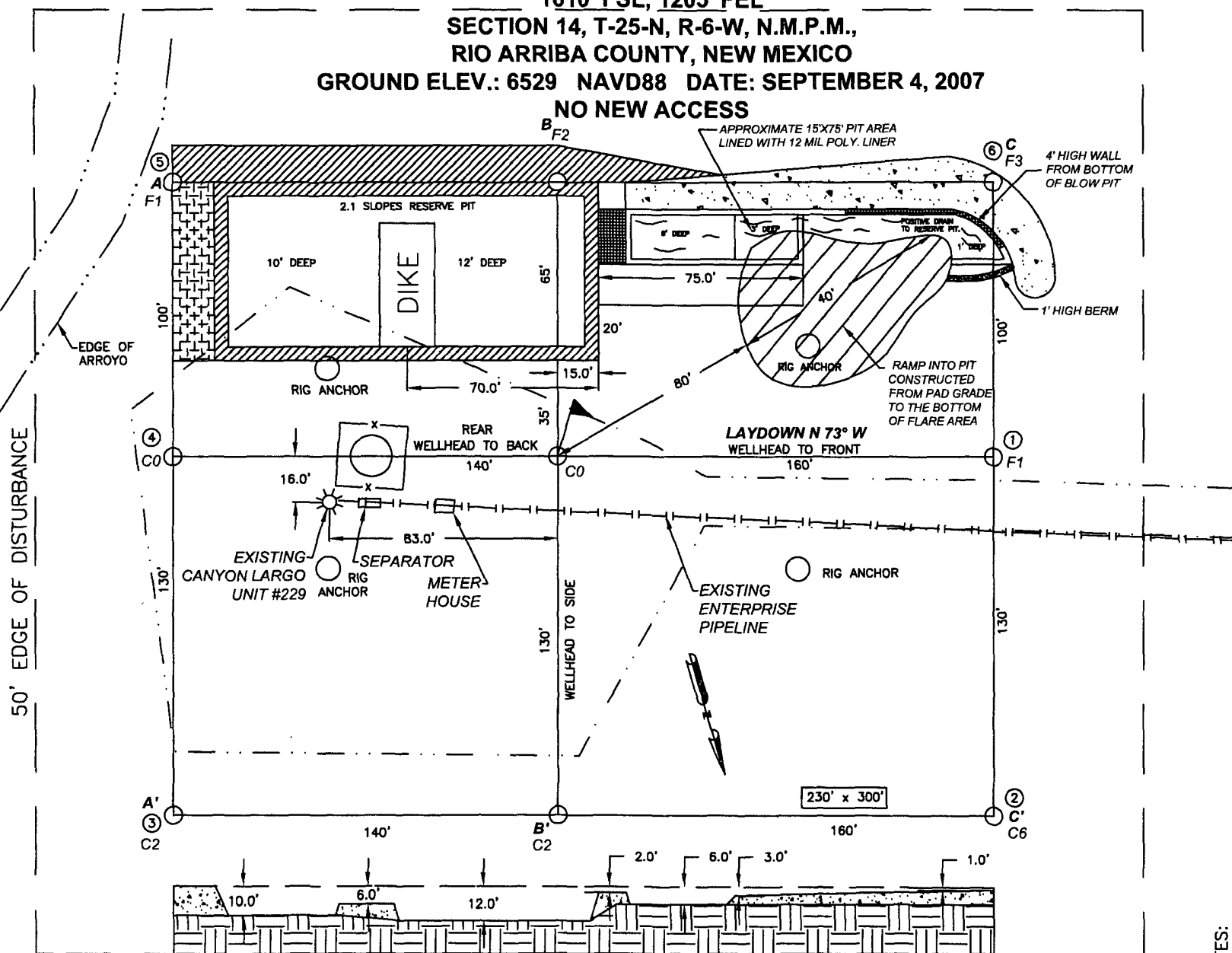
1610' FSL, 1205' FEL

SECTION 14, T-25-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEV.: 6529 NAVD88 DATE: SEPTEMBER 4, 2007

NO NEW ACCESS



PIT CROSS SECTION

NAD 83 LAT.: 36.397211°N / LONG.: 107.432063°W

330' x 400' = 3.03 ACRES

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.

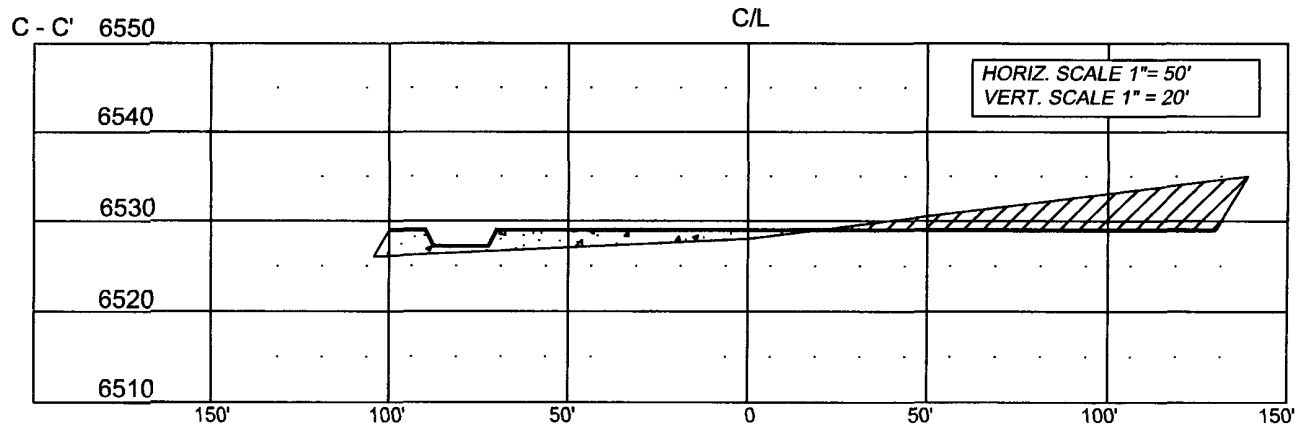
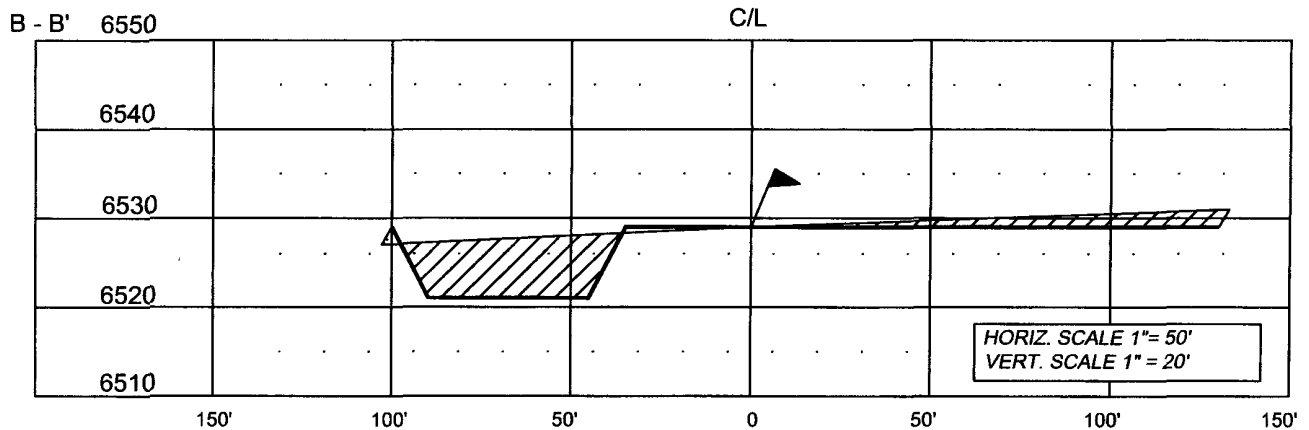
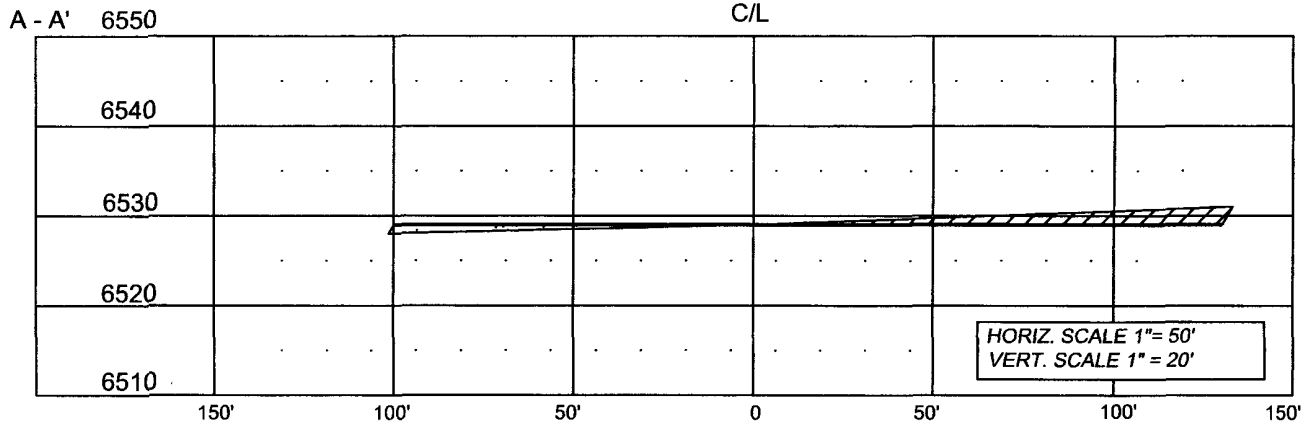
CCI

CHENAULT CONSULTING INC.

P.O. BOX 328  
BLOOMFIELD, NM, 87413  
PHONE: (505) 325-7707



**BURLINGTON RESOURCES OIL AND GAS COMPANY LP**  
**CANYON LARGO UNIT #279E**  
 1610' FSL, 1205' FEL  
 SECTION 14, T-25-N, R-6-W, N.M.P.M.,  
 RIO ARriba COUNTY, NEW MEXICO  
 ELEV.: 6529 NAVD88



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
1	ISSUED FOR REVIEW	TJR	9/4/07

**CCI**

P O. BOX 328  
 BLOOMFIELD, NM, 87413  
 PHONE: (505) 325-7707

**CHENAULT CONSULTING INC.**