

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-080594 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 Com
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 N (SESW), 1040' FSL & 1700' FWL  Latitude 36.308471 N. Longitude 107.423287 W.	9. Well Number #318E
	10. Field, Pool, Wildcat Basin Dakota
	11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 13, T24N, R6W API # 30-045-39-30434
14. Distance in Miles from Nearest Town 8 mile/Couneslors, NM	12. County Rio Aribba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1040'	
16. Acres in Lease 685.400	17. Acres Assigned to Well DK 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 64' from C.L.U. #84/PC	
19. Proposed Depth 6635'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6478' 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)	<u>12/5/07</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY B. Mantle

TITLE AFM

DATE 1/22/08

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 34 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

JAN 28 2008

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

DEC 06 2007

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management ☒ AMENDED REPORT  
Enrollment Field Office

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-30434	<sup>2</sup> Pool Code 71599	<sup>3</sup> Pool Name BASIN DAKOTA
<sup>4</sup> Property Code 6888	<sup>5</sup> Property Name CANYON LARGO UNIT COM	<sup>6</sup> Well Number 318E
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 6478

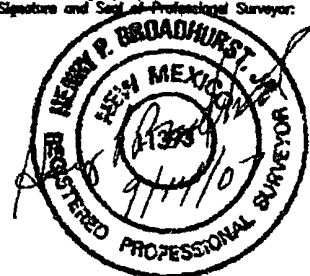
<sup>10</sup> SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	13	24-N	6-W		1040	SOUTH	1700	WEST	RIO ARriba

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N									
<sup>12</sup> Dedicated Acres 320.00	<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

<p>W/2 DEDICATED ACREAGE USA SF-080594 SECTION 13 T-24-N, R-6-W</p>	<p>WELL FLAG NAD 83 LAT: 36.368471° N LONG: 107.423287° W NAD 27 LAT: 36°18.507493' N LONG: 107°25.361075' W</p>	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <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 undivided 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>Sasha Spangler</i> Signature Sasha Spangler Printed Name Regulatory Tech. Title and E-mail Address 9-18-07 Date</p>
		<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <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: 6/29/07 Signature and Seal of Professional Surveyor:              Certificate Number: NM 11393         </p>

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Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

May 27, 2004

WELL API NO.	30-039- <b>30434</b>
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	USA SF-080594
7. Lease Name or Unit Agreement Name	Canyon Largo Unit Com
8. Well Number	318E
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 & GAS COMPANY LP

3. Address of Operator  
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location  
Unit Letter N : 1040 feet from the South line and 1700' feet from the West line  
Section 13 Township 24N Rng 6W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6478'

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 ~200'

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.

\* Upon Closure Pit contents and liner needs to be hauled to a proper disposal

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 Sasha Spangler TITLE Regulatory Technician DATE 11/5/2007

Type or print name Sasha Spangler E-mail address: spangs@conocophillips.com Telephone No. 505-326-9568

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JAN 28 2008

Conditions of Approval (if any):

\* See above note

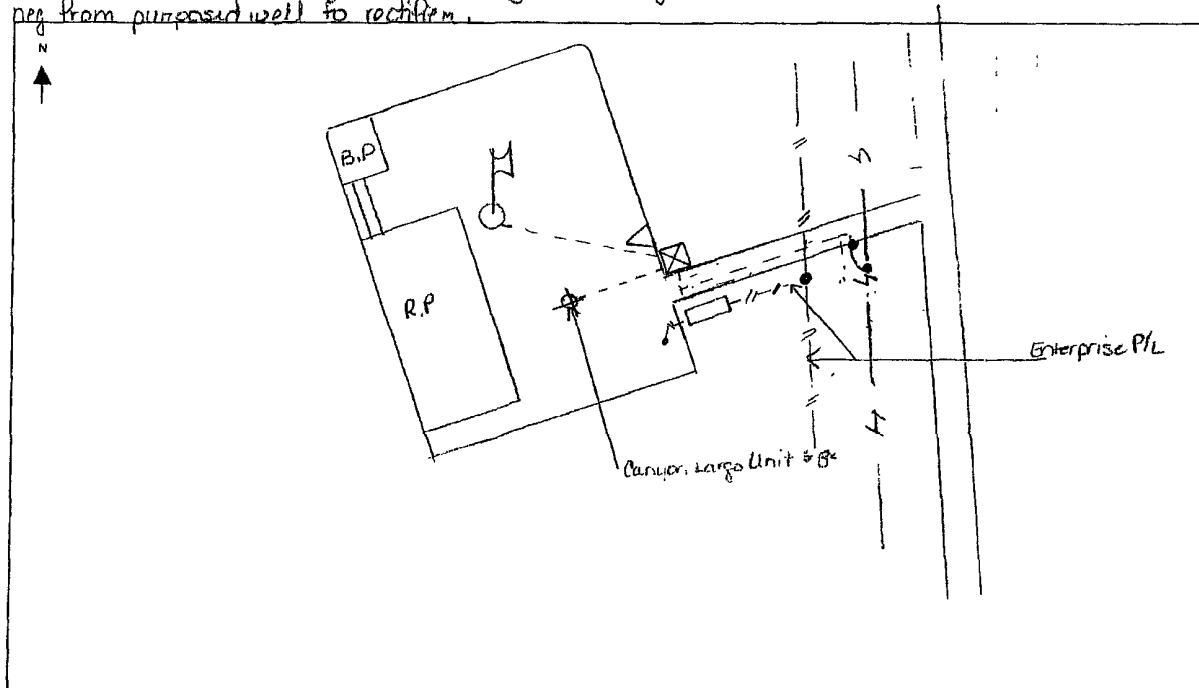


TECHNICAL SERVICES  
A CORROSION COMPANY

## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Canyon Largo Unit Conn #38E LEGALS N-13-24-6 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB and set rectifier in E edge of location (N side of process).  
Set meter pole off existing span pole and trench approx 300' of A/C from up to rectifier.  
Trench approx 115' of #8 neg from existing Canyon Largo #84 to rectifier Trench approx 150' of #8  
neg from proposed well to rectifier.



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

COMMENTS: \_\_\_\_\_

NEAREST POWER SOURCE Overhead A/C DISTANCE: 300'  
PIPELINES IN AREA: Enterprise P/L #2

TECHNICIAN: Michelle Hargrave DATE: 10/16/07

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

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT COM 318E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7452		AFE \$: 508,906.70	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.308458		Longitude: -107.422684		X:	Y:
Footage X: 1700 FWL		Footage Y: 1040 FSL		Elevation: 6478 (FT)	Township: 024N
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6494 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6174	<input type="checkbox"/>		
OJAM	1516	4978	<input type="checkbox"/>		
KRLD	1705	4789	<input type="checkbox"/>		
FRLD	1791	4703	<input type="checkbox"/>		Possible Gas
PCCF	2093	4401	<input type="checkbox"/>		
LEWS	2220	4274	<input type="checkbox"/>		
HUERFANITO BENTONITE	2451	4043	<input type="checkbox"/>		
CHRA	2906	3588	<input type="checkbox"/>		
CLFH	3596	2898	<input type="checkbox"/>		
MENF	3666	2828	<input type="checkbox"/>		
PTLK	4269	2225	<input type="checkbox"/>		
MNCS	4550	1944	<input type="checkbox"/>		
GLLP	5356	1138	<input type="checkbox"/>		
GRHN	6278	216	<input type="checkbox"/>		
GRRS	6339	155	<input type="checkbox"/>		
TWLS	6371	123	<input type="checkbox"/>	2034	Gas
PAGU	6436	58	<input type="checkbox"/>		
CBRL	6506	-12	<input type="checkbox"/>		
OAK CANYON	6561	-67	<input type="checkbox"/>		
ENCINAL	6595	-101	<input type="checkbox"/>		
Total Depth	6635	-141	<input type="checkbox"/>		
12-1/4" hole. 8-5/8", 24 ppf, J-55, STC casing. Cement with 319 cubic ft. Circulate cement to surface.					
TD 40' below T/ENCN for csg shoe. Burro appears wet in area.					
7-7/8" hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Cement with 1978 cubic ft. Circulate cement to surface.					
Reference Wells:					
Reference Type	Well Name		Comments		
Intermediate	Bolack D2		SW 13-24N-6W TWIN		
Production	Cyn Largo 297		SE 13-24N-6W		

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT COM 318E

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 - DKNM024N006W13SW1 Twin Bolack D 2 (PC) else N,M,L,K.

Zones - DKNM024N006W13SW1



# BURLINGTON RESOURCES OIL AND GAS COMPANY LP

CANYON LARGO UNIT COM #318E

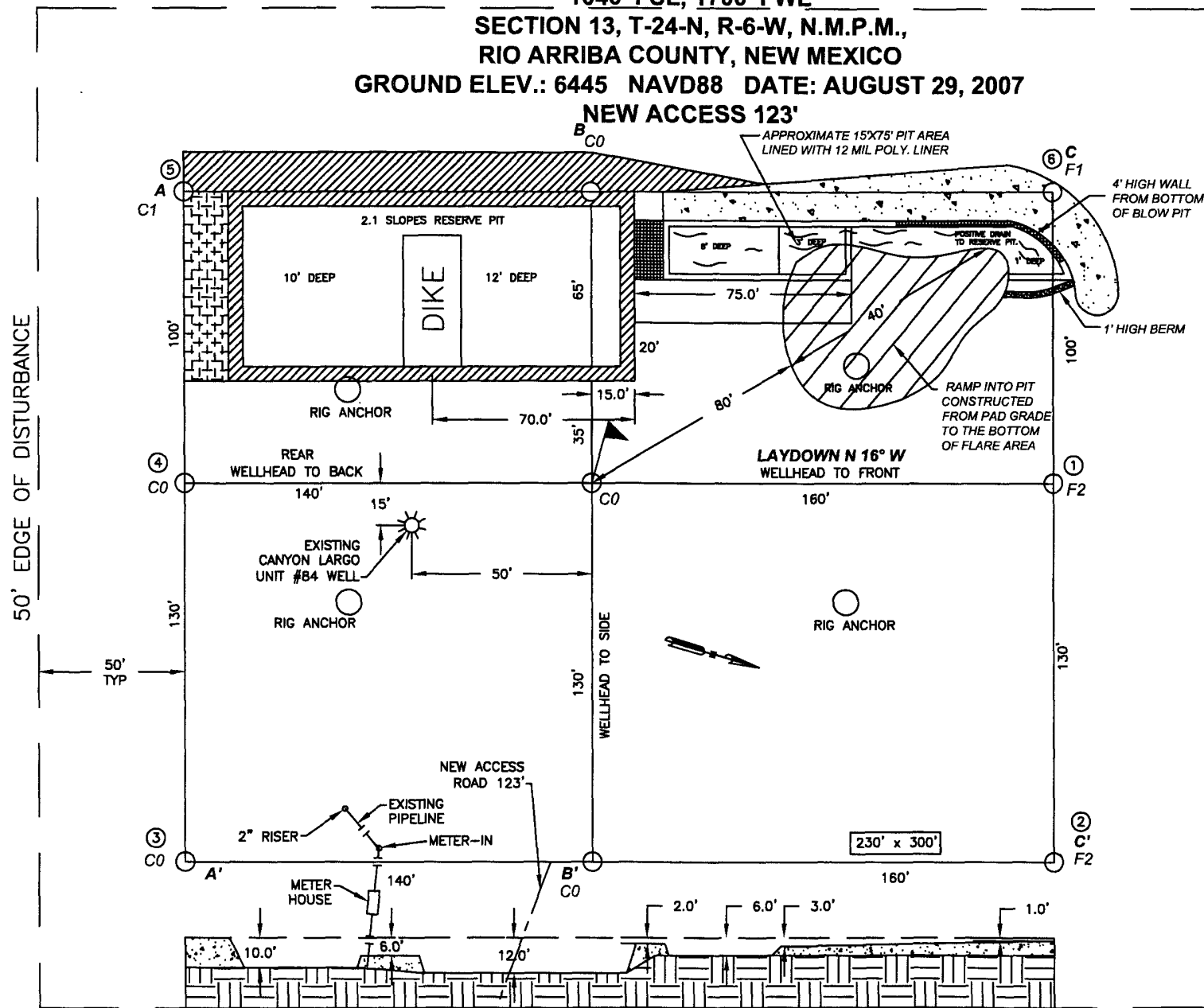
1040' FSL, 1700' FWL

SECTION 13, T-24-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEV.: 6445 NAVD88 DATE: AUGUST 29, 2007

NEW ACCESS 123'



PIT CROSS SECTION

NAD 83 LAT.: 36.308416°N / LONG.: 107.423386°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 COM #318E

1040' FSL, 1700' FWL

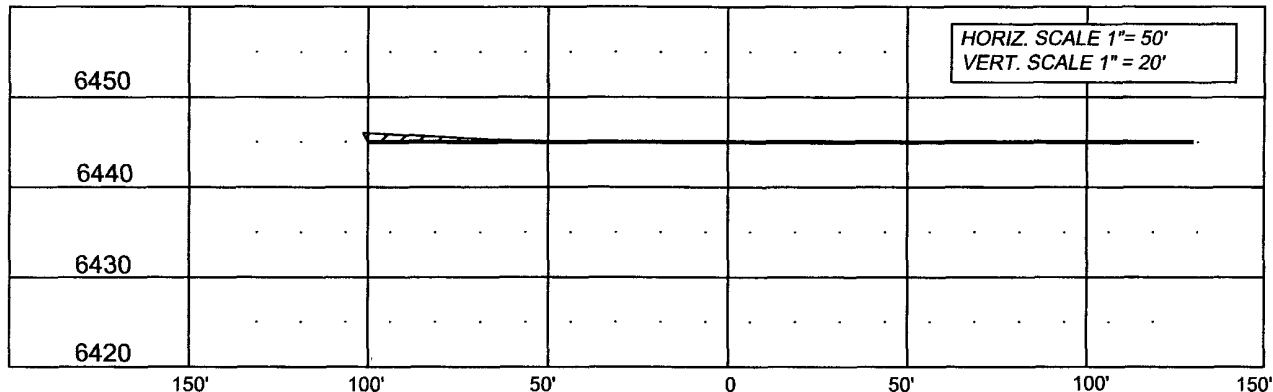
SECTION 13, T-24-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 6445 NAVD88

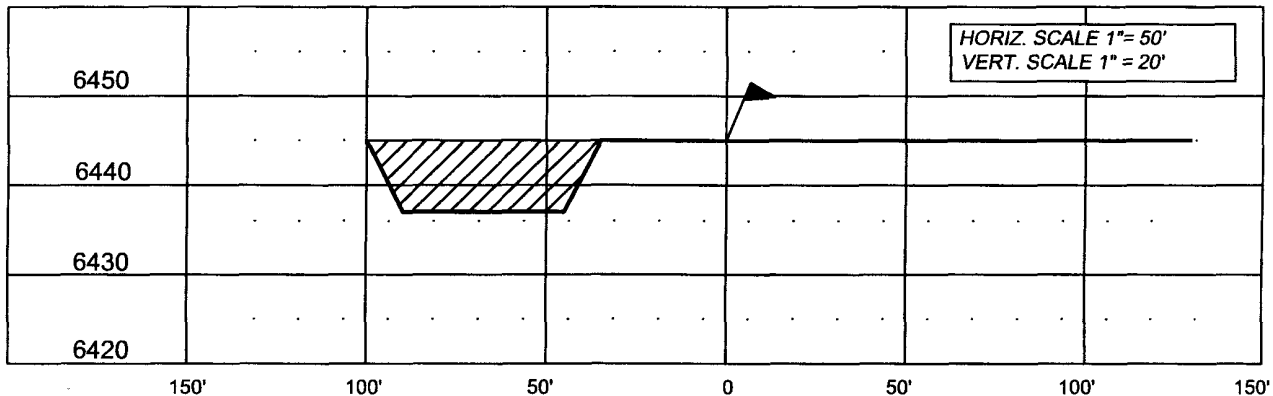
A - A' 6460

C/L



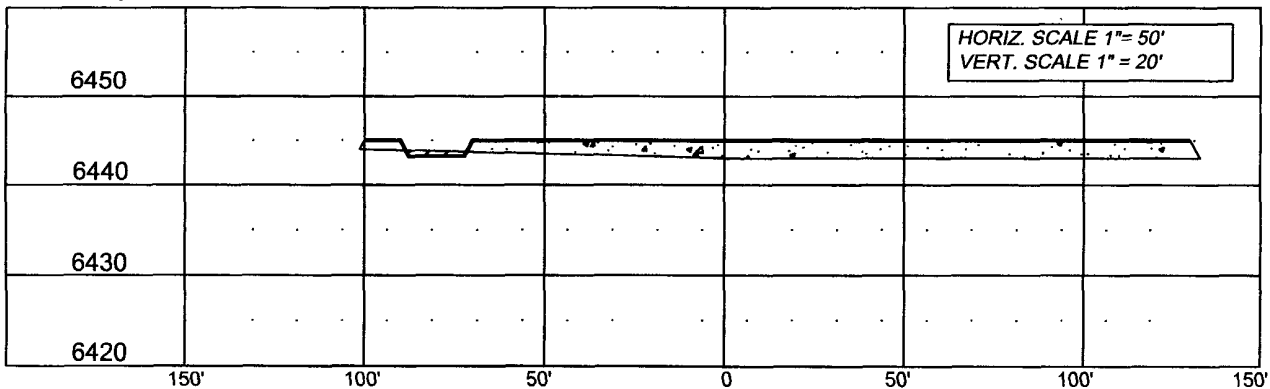
B - B' 6460

C/L



C - C' 6460

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
1	ISSUED FOR REVIEW	TJR	8/29/07

**CCI**

**CHENAULT CONSULTING INC.**

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BLOOMFIELD, NM, 87413  
PHONE: (505) 325-7707