

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	RECEIVED	5. Lease Number USA SF- 080594 Unit Reporting Number
1b. Type of Well GAS	NOV 26 2007 Bureau of Land Management Farmington Field Office	6. If Indian, All. or Tribe RCVD APR 7 '08
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name Canyon Largo Unit	OIL CONS. DIV.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name DIST. 3	9. Well Number #297E
4. Location of Well Unit P (SESE), 675' FSL & 720' FEL  Latitude 36.307398 Longitude 107.413578	10. Field, Pool, Wildcat Basin Dakota	11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 13, T24N, R6W API # 30-045-039 30427
14. Distance in Miles from Nearest Town Couneslors, NM/10 Miles	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 675'	16. Acres in Lease 2560.00 685.4	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 2850' from C.L.U. #84/P.C.	19. Proposed Depth 6583'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6495' 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)	11/26/07 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 2 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

NMOCB  
APR 10 2008

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

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

USL - NO  
Q.Q - OK

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 - 7 Copies  
Fee Lease - 3 Copies

NOV 26 2007

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT  
Bureau of Land Management  
Fertilization Field Office

<sup>1</sup> API Number 30-039- 30427	<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 297E
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 6495

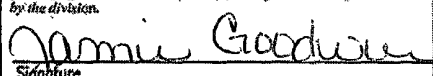
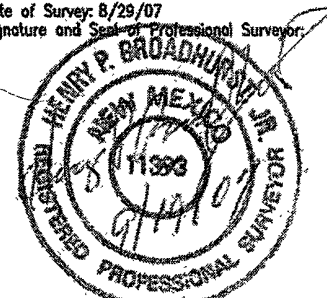
<sup>10</sup> SURFACE LOCATION

UL or lot no. P	Section 13	Township 24-N	Range 6-W	Lot Idn	Feet from the 675	North/South line SOUTH	Feet from the 720	East/West line EAST	County RIO ARRIBA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. P	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<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>E/2 DEDICATED ACREAGE USA SF-080594 SECTION 13 T-24-N, R-6-W</div> <div>WELL FLAG NAD 83 LAT: 36.307398° N LONG: 107.413578° W NAD 27 LAT: 36°18.443155' N LONG: 107°24.778534' W</div> <div>5259.5' (R)</div> <div>675'</div> <div>720'</div> <div>N 89°44' W</div>	<div><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 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.  Signature Jamie Goodwin Printed Name Regulatory Tech. Title and E-mail Address 09/25/2007 Date</div> <div><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: 8/29/07 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393</div>
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Office

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.	30-039- <b>30427</b>
5. Indicate Type of Lease	STATE <input checked="" 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
8. Well Number	297E
9. OGRID Number	14538
10. Pool name or Wildcat	Basin DK

**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 P : 675' feet from the South line and 720' feet from the East line  
Section 13 Township 24N Rng 6W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6495'

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 <1000  
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

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

Type or print name Jamie Goodwin E-mail address: goodwin@conocophillips.com Telephone No. 505-599-4018

**For State Use Only**

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE APR 10 2008  
Conditions of Approval (if any): District #3

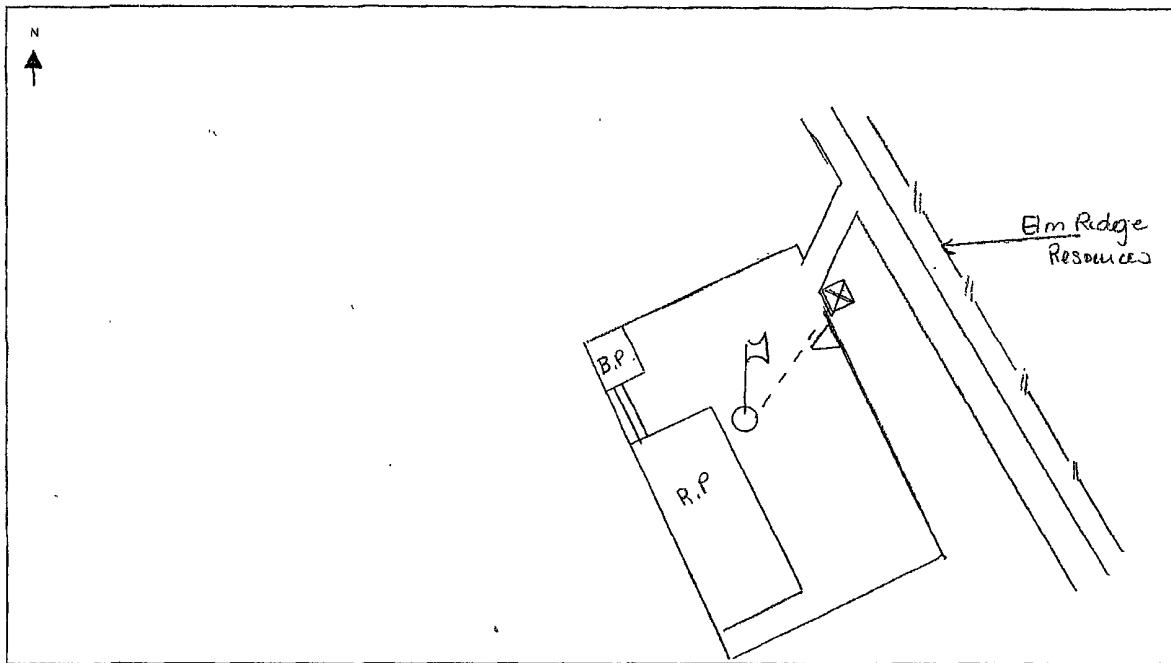


TECHNICAL SERVICES  
A CORROSION COMPANY

### CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Canyon Largo Unit #297E LEGALS P-13-24-6 COUNTY Bio Arriba

PURPOSED C.P. SYSTYEM: Drill 6B and set 2 1/2" well solar on E edge of the location (S side of access). Trench approx 200' of # 8 neg from purposed well to solar.



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

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

NEAREST POWER SOURCE Overhead A/C DISTANCE: 230'

PIPELINES IN AREA: Elm Ridge Resources P/L

TECHNICIAN: Michael Jimenez DATE: 10/16/07

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

*RS*

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 297E

DEVELOPMENT /

Lease:		AFE #: WAN.CDR.7119		AFE \$: 497,294.20	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
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)

<b>Location:</b> Surface		<b>Datum Code:</b> NAD 27		<b>Straight Hole</b>	
Latitude: 36.307385	Longitude: -107.412975	X:	Y:	Section: 13	Range: 006W
Footage X: 720 FEL	Footage Y: 675 FSL	Elevation: 6495 (FT)	Township: 024N		
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6507	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6187	<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.
OJAM	1677	4830	<input type="checkbox"/>			
KRLD	1750	4757	<input type="checkbox"/>			
FRLD	1975	4532	<input type="checkbox"/>			Possible Gas
PCCF	2117	4390	<input type="checkbox"/>			
LEWS	2235	4272	<input type="checkbox"/>			
HUERFANITO BENTONITE	2460	4047	<input type="checkbox"/>			
CHRA	2925	3582	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	3615	2892	<input type="checkbox"/>			
MENF	3685	2822	<input type="checkbox"/>			
PTLK	4287	2220	<input type="checkbox"/>			GAS
MNCS	4569	1938	<input type="checkbox"/>			
GLLP	5375	1132	<input type="checkbox"/>			
GRHN	6305	202	<input type="checkbox"/>			
GRRS	6360	147	<input type="checkbox"/>			
TWLS	6392	115	<input type="checkbox"/>	2034		Gas
PAGUATE	6456	51	<input type="checkbox"/>			
CBRO	6502	5	<input type="checkbox"/>			
CBRL	6526	-19	<input type="checkbox"/>			
Total Depth	6586	-79	<input type="checkbox"/>			TD 40' below T/MRSN. 7-7/8" hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Cement with 1963 cubic ft. Circulate cement to surface. Cased Hole TDT with GR to surface.

**Reference Wells:**

Reference Type	Well Name	Comments
Intermediate	Canyon Largo 297	
Production	Canyon Largo 297	

**Logging Program:**

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 297E

DEVELOPMENT /

Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo
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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
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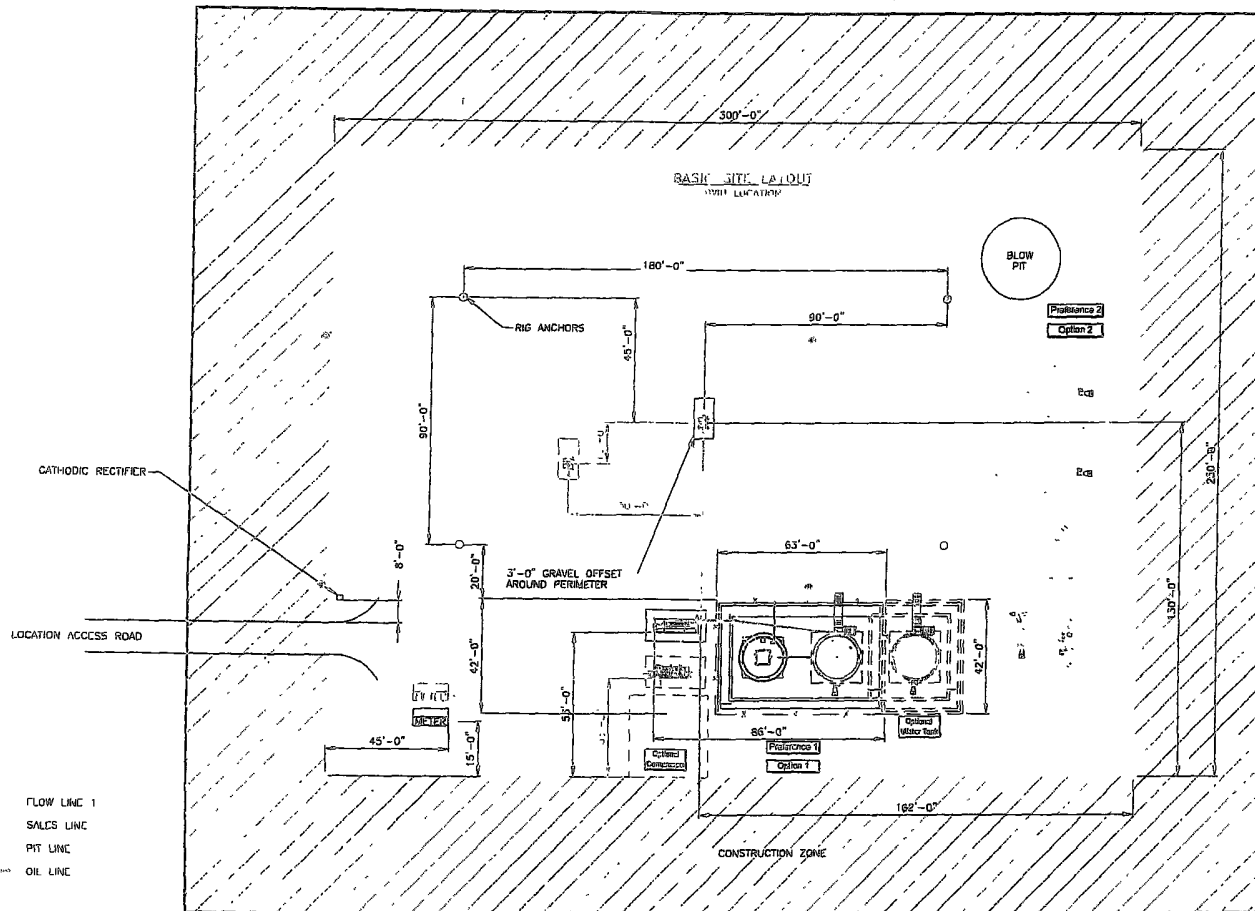
Bottom Perf 20 ft above TD. GR\_CBL

Additional Information:					
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Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DKNM024N006W13SE2 Avoid J - do not twin (PC well only 670' away) - prefer P,I,O.

Zones - DKNM024N006W13SE2



SEE SHEET 3 & 4 FOR PIPING DETAILS  
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCOPhillips		CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
NO.	DESCRIPTION	DATE	BY	CHK'D	ENG	DISC	PM	PROJECT	PROCESS	MECHANICAL	Piping			CLIENT No.	SCALE	DATE
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Project: San Juan Business Unit Location Site Layout, 06/28/2007 - 08/30/07





# BURLINGTON RESOURCES OIL AND GAS COMPANY LP

CANYON LARGO UNIT #297E

675' FSL, 720' FEL

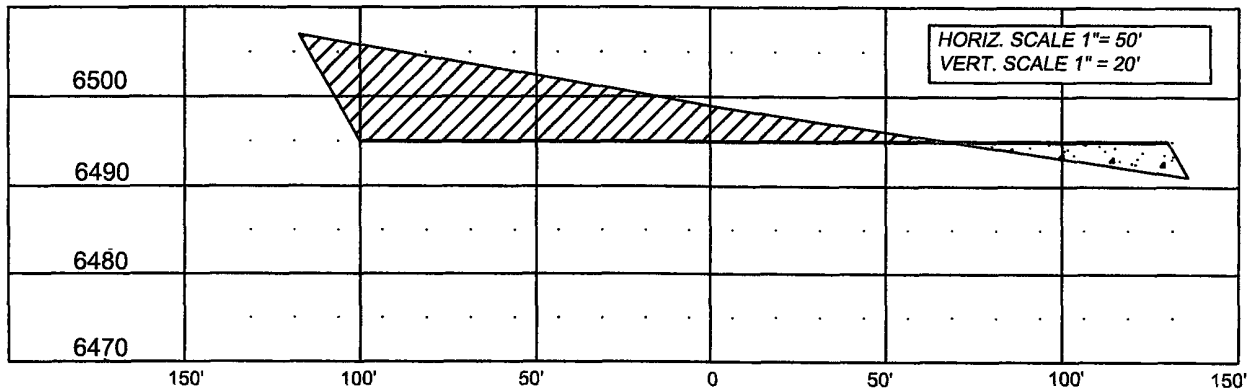
SECTION 13, T-24-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAT. ELEV.: 6495 FIN. ELEV.: 6494 NAVD88

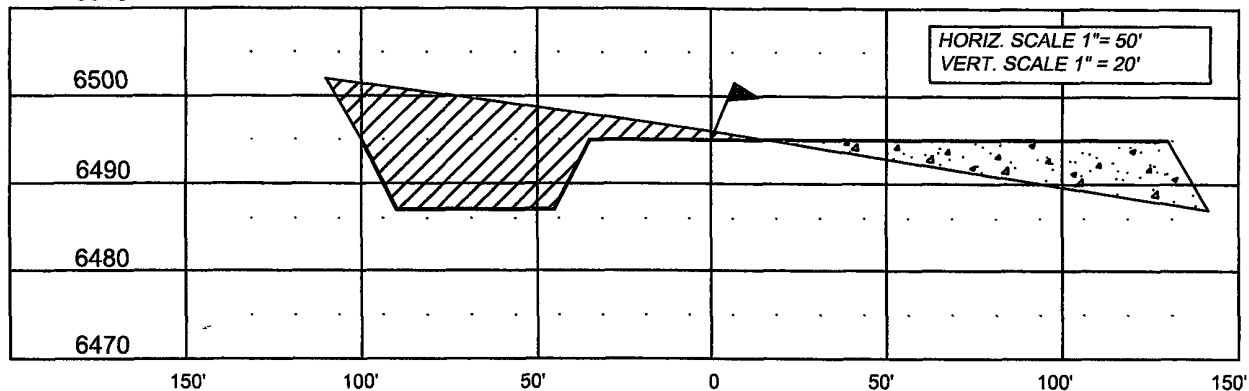
A - A' 6510

C/L



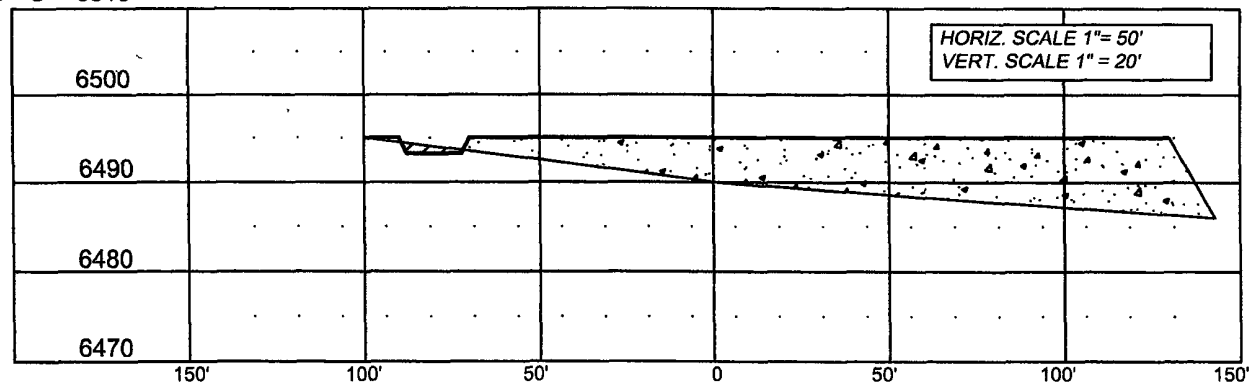
B - B' 6510

C/L



C - C' 6510

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**

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

**CHENAULT CONSULTING INC.**