

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2007 JUL -9 PM 3:27 RECEIVED BLM 210 FARMINGTON NM	5. Lease Number USA SF-079193 Unit Reporting Number
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 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #4598
4. Location of Well Unit I (NESE), 1440' FSL & 920' FEL Latitude 36° 38.6085 N Longitude 107° 27.9609 W		10. Field, Pool, Wildcat Wild Cat PC/Basin FC S. Blanco 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 21, T28N, R6W API # 30-039-30293
14. Distance in Miles from Nearest Town 31 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 920'		
16. Acres in Lease	17. Acres Assigned to Well PC 160 (SE/4) FC 320 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from San Juan 28-6 Unit 60A		
19. Proposed Depth 3502'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6481' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	<u>7-6-07</u> Date	

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE AFM DATE 10/9/07

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
335 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

DISTRICT II
311 South First, Artesia, N.M. 88210

DISTRICT III
300 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

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

2007 JUL -9 PM 3:39

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30293	² Pool Code 71629/ 72439	³ Pool Name Basin Fruitland Coal/ Wagon Wheel Pictured Cliffs
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28-6 UNIT	⁶ Well Number 459S
⁷ CGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6481'

¹⁰ Surface Location

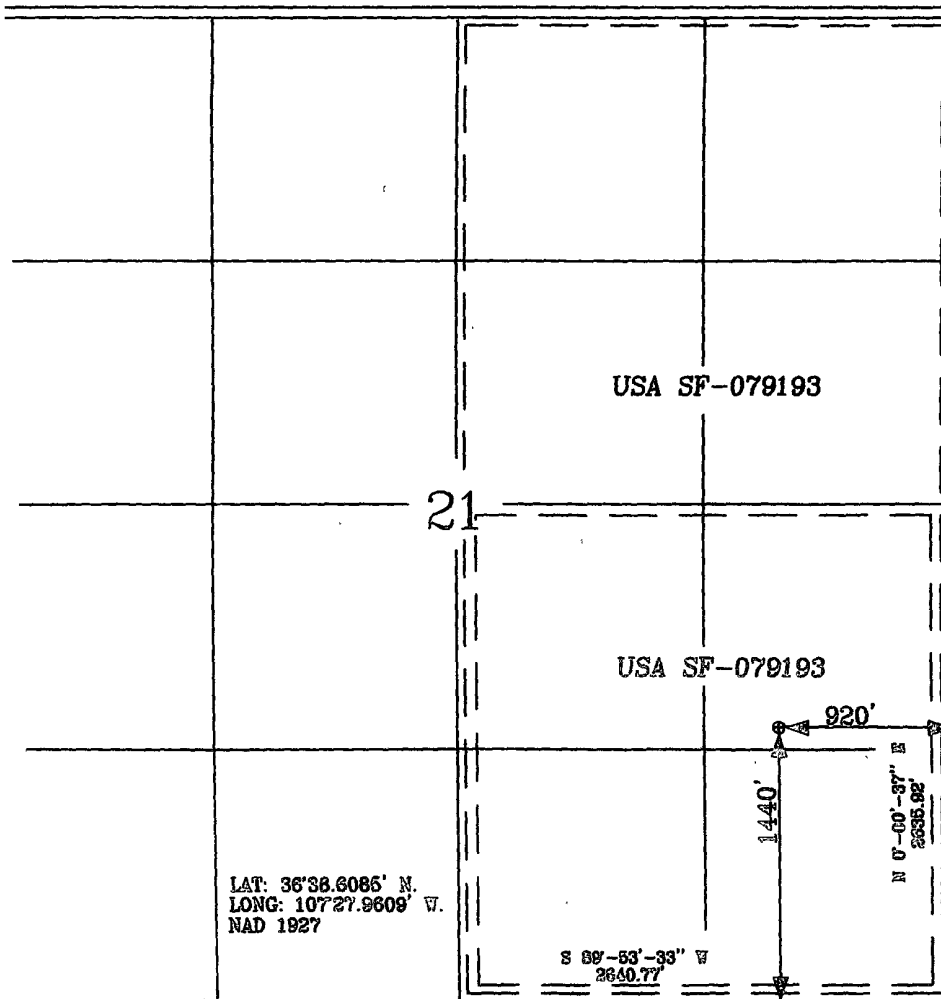
TL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	21	28-N	6-W		1440'	SOUTH	920'	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

TL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres E2 320 FC/PC SE/4 160	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ 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



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Rhonda Rogers
Signature

Rhonda Rogers
Printed Name

Regulatory Technician
Title

6/25/07
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 are true and correct to the best of my belief.

Date of Survey 12-1-05

Signature and Seal of Professional Surveyor:

Carlen W. Russell
Certificate Number 15703

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- 30293

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

SF-079193

7. Lease Name or Unit Agreement Name

San Juan 28-6 Unit

8. Well Number

#459S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin FC/ WC PC

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 I : 1440' feet from the South line and 920' feet from the East line
Section 28 Township 28N Range 6W NMPM County Rio Arriba

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

6481' GR

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 ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐OTHER: ☐

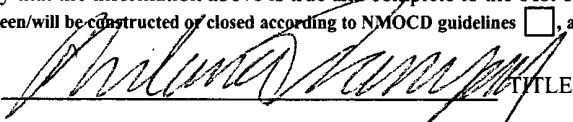
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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



Regulatory Assistant II

DATE 1/26/2006

Type or print name

Philana Thompson

E-mail address:

pthompson@br-inc.com

Telephone No.

505-326-9530

For State Use Only

APPROVED BY



TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

OCT 30 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 459S

DEVELOPMENT

Lease:		AFE #: wan.za2.4523/4524pc		AFE \$:	
Field Name: hBR_SAN JUAN 28-6 UNIT		Rig: Aztec Riq 580		State: NM	County: RIO ARRIBA
API #:					
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788		Proj. Field Lead:	
				Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
R20001	FRUITLAND COAL(R20001)				
R20172	PICTURED CLIFFS(R20172)				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.643476	Longitude: -107.466015	X:	Y:	Section: 21	Range: 006W
Footage X: 920 FEL	Footage Y: 1440 FSL	Elevation: 6481	(FT)	Township: 028N	
Tolerance:					
Location Type: Year Round		Start Date (Est.):		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6497 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	120	6377	<input type="checkbox"/>		
OJO ALAMO	2567	3930	<input type="checkbox"/>		
KIRTLAND	2665	3832	<input type="checkbox"/>		
FRUITLAND	2924	3573	<input type="checkbox"/>		Gas
PICTURED CLIFFS	3302	3195	<input type="checkbox"/>	500	Gas, TD 200' below T/PCCF
Total Depth	3502	2995	<input type="checkbox"/>		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 538 cuft. Circulate cement to surface.
Reference Wells:					
Reference Type	Well Name		Comments		
Production	SJ 28-6 #125		NE 21-28N-6W		

Logging Program:	
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	

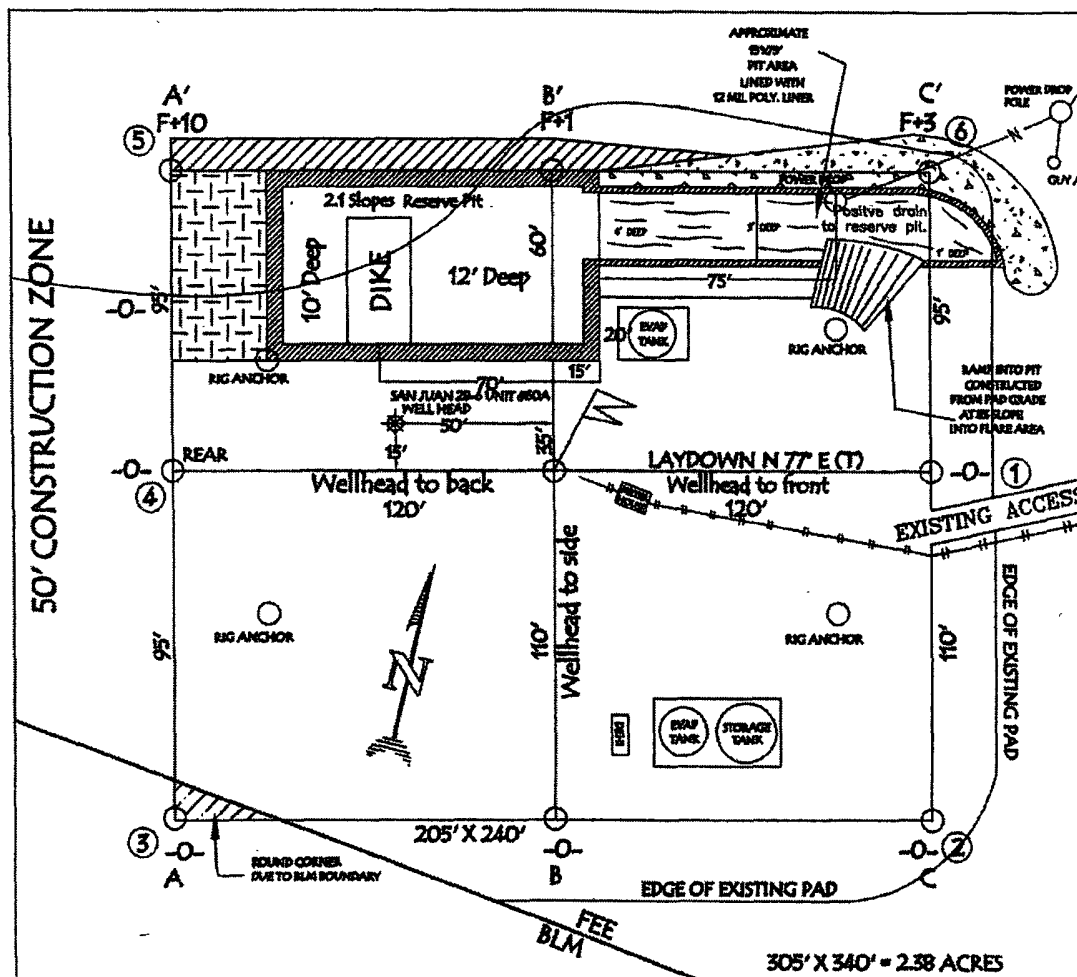
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - 28N6W21SE FTC 160 AC and PC 28N06W21SE1 Microseismic project so involve Eric Estrada with staking options.

Zones - 28N6W21SE FTC 160 AC and PC 28N06W21SE1

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 28-6 UNIT #459S, 1440' FSL & 920' FEL
 SECTION 21, T-28- N, R-6-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6481', DATE: NOVEMBER 18, 2005

RESERVE PIT DIKE. TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3" WIDE AND 1' ABOVE SHALLOW SIDE).



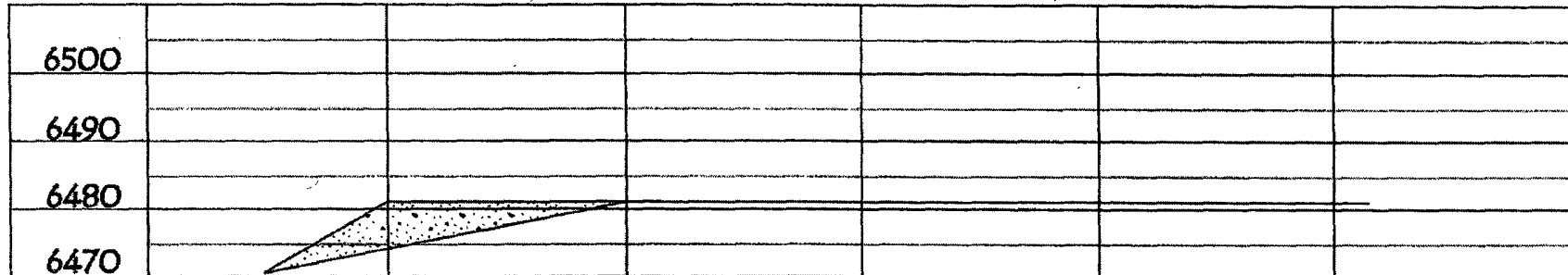
LATITUDE: 36° 38.6085' N LONGITUDE: 107° 27.9609' W NAD27

NOTE: VECTOR 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.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 28-6 UNIT #459S, 1440' FSL & 920' FEL
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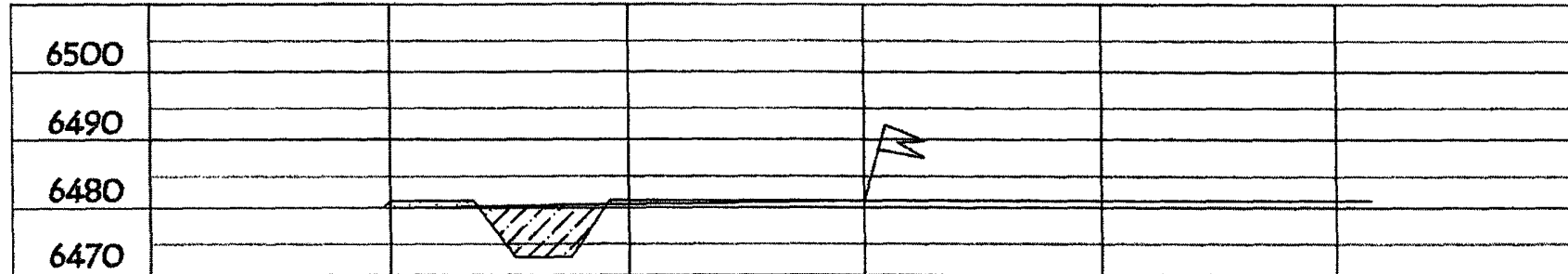
ELEV. A'-A

C/L



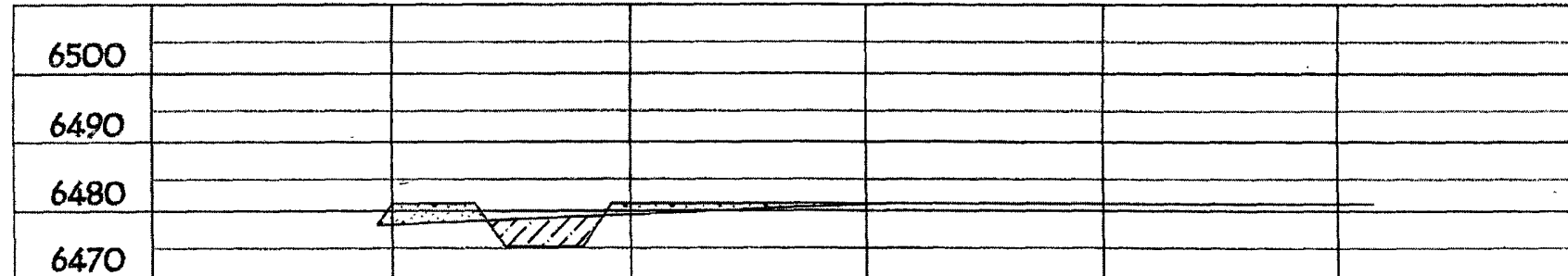
ELEV. B'-B

C/L



ELEV. C'-C

C/L



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