

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED AUG 29 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078135 Unit Reporting Number NMNM-793948-DK
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name Huerfanito 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 Surf: Unit L(NWSW), 1530' FSL & 665' FWL Latitude 36° 30.8502 N Longitude 107° 46.9370 W	9. Well Number #103F	
	10. Field, Pool, Wildcat Basin Dakota	
	11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 3, T26N, R9W API # 30-045-34413	
14. Distance in Miles from Nearest Town 26 mile/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 665'		
16. Acres in Lease	17. Acres Assigned to Well 320.89 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 610' from Huerfanito 68		
19. Proposed Depth 6816'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6345' GL	22. Approx. Date Work will Start RCVD SEP 12 '07 OIL CONS. DIV. DIST. 3	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	8-28-07 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 9/11/07

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 4

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

9-18-07
aw

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

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
Instructions on back
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED
AUG 29 2007
AMENDED REPORT
Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 7138	*Property Name HUERFANITO UNIT		*Well Number 103F
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6345'

10 Surface Location


UL or lot no.	Section	Township	Range	Lot 10	Feet from the	North/South line	Feet from the	East/West line	County
L	3	26N	9W		1530	SOUTH	665	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10	Feet from the	North/South line	Feet from the	East/West line	County
L									

*Dedicated Acres 320.89 Acres - W/2	*Joint or Infill	*Consolidation Code	*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

<p>15</p> <p>2638.68'</p> <p>1336.50'</p> <p>LOT 4</p> <p>LOT 3</p> <p>LOT 2</p> <p>LOT 1</p> <p>1320.66'</p> <p>LEASE USA SF-078135</p> <p>1320.33'</p> <p>110'</p> <p>LAT: 36°30.8502' N LONG: 107°46.9370' W DATUM: NAD27</p> <p>LAT: 36°51418' N LONG: 107°78290' W DATUM: NAD83</p> <p>665'</p> <p>1945'</p> <p>1320.33'</p> <p>1530'</p> <p>5198.16'</p>	<p>2548.25'</p> <p>1331.88'</p> <p>1320.00'</p> <p>2640.00'</p>	<p>17 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 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>Kandis Roland</i> 7/10/07 Signature Date Kandis Roland -- Printed Name</p> <p>18 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: JUNE 13, 2007</p> <p>Signature and Seal of Professional Surveyor</p> <p></p> <p><i>JASON C. EDWARDS</i> Certificate Number 15269</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

<p>SUNDRIY 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.)</p>		<p>WELL API NO. 30-045-</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other</p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP</p>		<p>6. State Oil & Gas Lease No. Federal Lease #USA SF-078135</p>
<p>3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402</p>		<p>7. Lease Name or Unit Agreement Name Huerfanito Unit</p>
<p>4. Well Location Unit Letter <u>L</u> : <u>1530'</u> feet from the <u>South</u> line and <u>665'</u> feet from the <u>West</u> line Section <u>3</u> Township <u>26N</u> Rng <u>19W</u> NMPM County <u>San Juan</u></p>		<p>8. Well Number #103F</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6345'</p>		<p>9. OGRID Number 14538</p>
<p>Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/></p>		<p>10. Pool name or Wildcat Basin Dakota</p>
<p>Pit type <u>New Drill</u> Depth to Groundwater <u>>100</u> Distance from nearest fresh water well <u>>1000</u> Distance from nearest surface water <u>>200</u></p>		
<p>Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u> </u> bbls; Construction Material <u> </u></p>		

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 Charles Rogers TITLE Regulatory Technician DATE 8-28-07

Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE SEP 18 2007
District #3

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 103F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7171		AFE \$: 553,297.76	
Field Name: hBR_SAN JUAN		Rig: Bearcat Riq 4		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		Straight Hole			
Latitude: 36.514171	Longitude: -107.782285	X:	Y:	Section: 03	Range: 009W
Footage X: 665 FWL	Footage Y: 1530 FSL	Elevation: 6345	(FT)	Township: 026N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 6361		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6041	<input type="checkbox"/>		
OJAM	1250	5111	<input type="checkbox"/>		
KRLD	1388	4973	<input type="checkbox"/>		
FRLD	1605	4756	<input type="checkbox"/>		Possible Gas
PCCF	2107	4254	<input type="checkbox"/>		
LEWS	2244	4117	<input type="checkbox"/>		
HUERFANITO BENTONITE	2533	3828	<input type="checkbox"/>		
CHRA	2972	3389	<input type="checkbox"/>		
CLFH	3633	2728	<input type="checkbox"/>		
MENF	3764	2597	<input type="checkbox"/>		
PTLK	4426	1935	<input type="checkbox"/>		GAS
MNCS	4711	1650	<input type="checkbox"/>		
GLLP	5558	803	<input type="checkbox"/>		
GRHN	6389	-28	<input type="checkbox"/>		
GRRS	6437	-76	<input type="checkbox"/>		
TWLS	6464	-103	<input type="checkbox"/>	1800	Gas
PAGU	6556	-195	<input type="checkbox"/>		
CBRL	6621	-260	<input type="checkbox"/>		
ENCINAL	6686	-325	<input type="checkbox"/>		
BRRO	6747	-386	<input type="checkbox"/>		
MORRISON	6776	-415	<input type="checkbox"/>		
TOTAL DEPTH DK	6816	-455	<input type="checkbox"/>		
12-1/4" surface hole. 320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 312 cu. ft. Circulate cement to surface.					
TD 40' below T/MRSN. 6-1/4" Hole. 4-1/2", 10.5 ppf, J-55 STC casing. Cement with 2002 cu. ft. Circulate cement to surface.					
Reference Wells:					
Reference Type	Well Name		Comments		

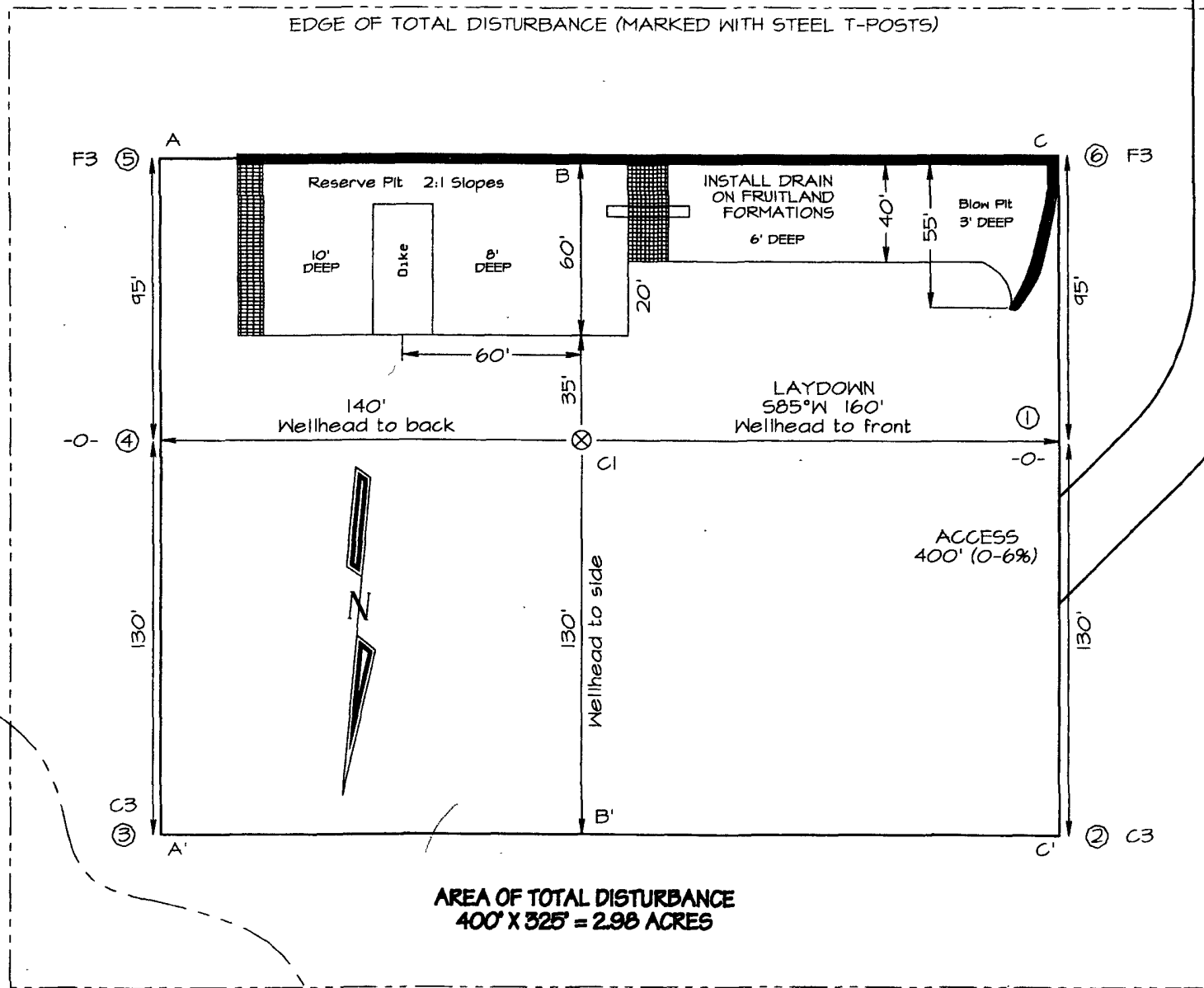
BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #103F
1530' FSL & 665' FWL, SECTION 3, T26N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6345'



LATITUDE: 36°30.2502'N
 LONGITUDE: 107°46.9370'W
 DATUM: NAD1927

~ SURFACE OWNER ~

Bureau of Land Management



AREA OF TOTAL DISTURBANCE
 400' X 325' = 2.98 ACRES

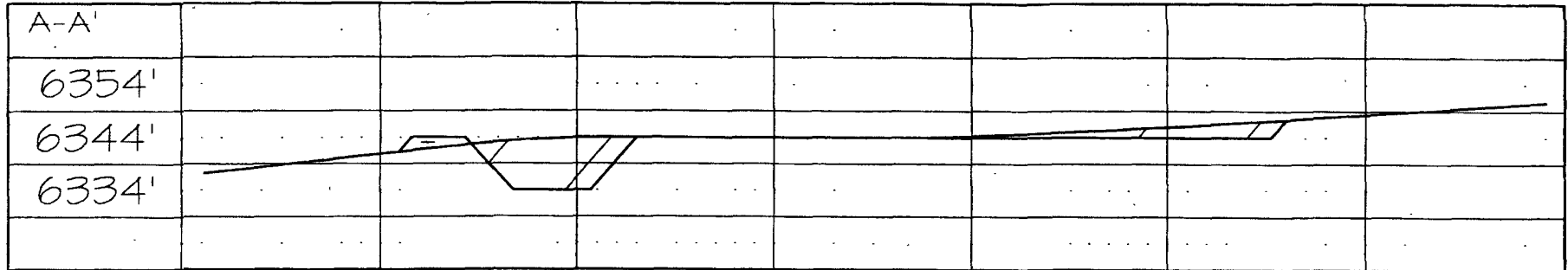
NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND
 UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #103F
1530' FSL & 665' FWL, SECTION 3, T26N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6345'

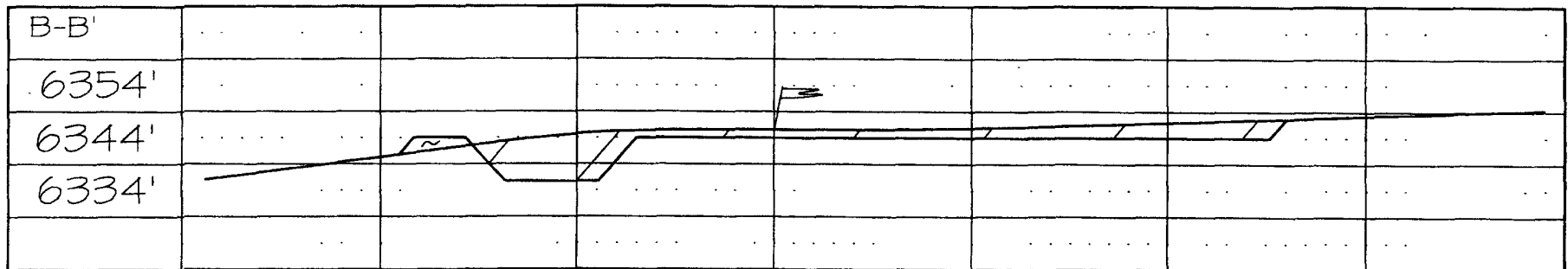
HORIZONTAL SCALE 1"=40'

C/L

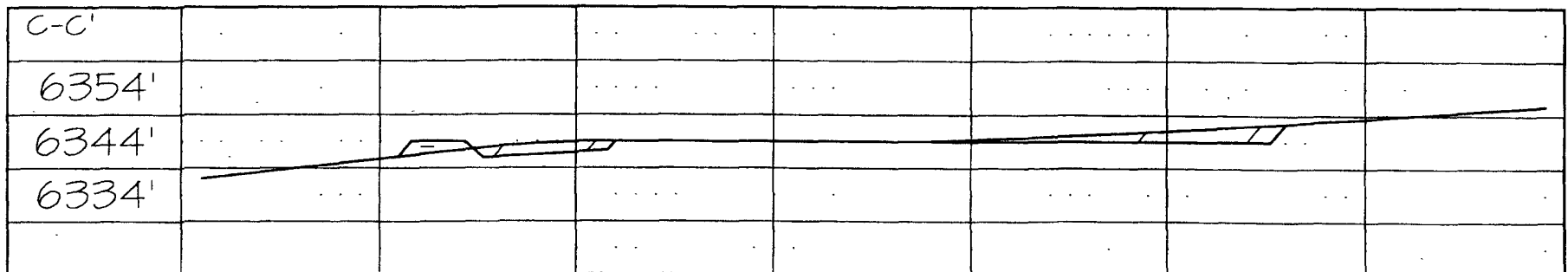
VERTICAL SCALE 1"=30'



C/L



C/L



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