

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 AUG 16 PM 3:36

1a. Type of Work DRILL	5. Lease Number NMSF-078135 Unit Reporting Number NMNM-78394B-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 Unit E (SWNW), 1910' FNL & 1170' FWL, Latitude 36° 51901'N Longitude 107° 74592'W	9. Well Number 90E	
	10. Field, Pool, Wildcat Basin Dakota	
	11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 1, 26N, R09W API # 30-045-3 4399	
14. Distance in Miles from Nearest Town	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 720'		
16. Acres in Lease	17. Acres Assigned to Well DK 320.24 Acres - N/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease		
19. Proposed Depth 6681'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6185' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		RCVD OCT 2 '07 OIL CONS. DIV. DIST. 3
24. Authorized by: <u>Patsy Clugot</u> Regulatory Specialist Date <u>8/16/07</u>		

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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.

TYPE 4 - SEE MASTER PLAN

NOTIFY AFTER 24 HRS.
PRIOR TO CASING & CEMENT

NMOC

OCT 18 2007

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

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

Form C-102
Revised October 12, 2005

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

2007 AUG 16 PM 3 36

RECEIVED
AMENDED REPORT
070 FARMINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34399		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 7138	*Property Name HUERFANITO UNIT		*Well Number 90E
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6185'

¹⁰ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	1	26N	9W		1910	NORTH	1170	WEST	SAN JUAN

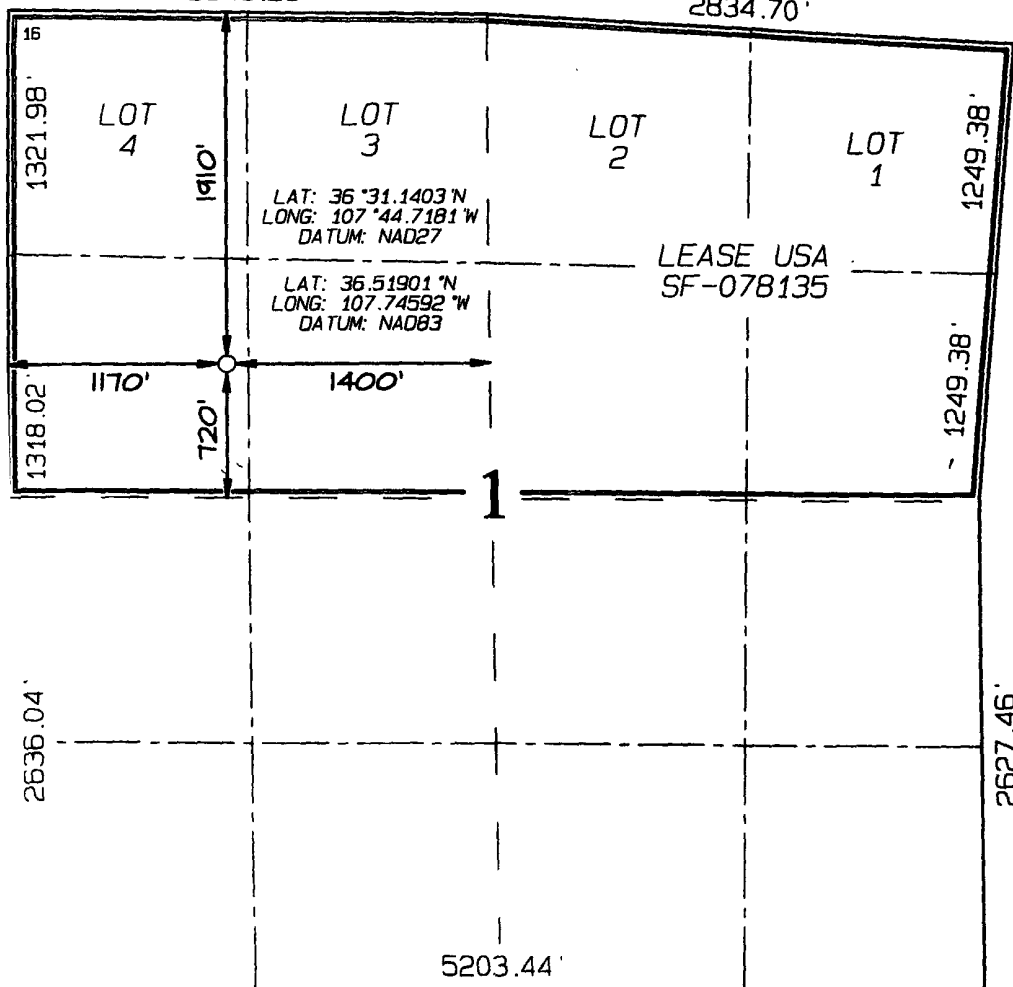
¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres 320.24 Acres (N/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
2548.26' OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

2834.70'



¹⁷ 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 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.

Kandis Roland 5/30/07
Signature Date

Kandis Roland

Printed Name

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 is true and correct to the best of my belief.

Date of Survey: MAY 18, 2007

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

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.

30-045- 34399

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease - SF-078135

7. Lease Name or Unit Agreement Name

Hurfanito Unit

8. Well Number

#90E

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 E : 1910 feet from the North line and 1170 feet from the West line
Section 1 Township 26N Range 9W NMPM County San Juan

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

6185' GL

Pit or Below-grade Tank Application

☒ or Closure ☐Pit type Workover

Depth to Groundwater

>100'

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

2700'

<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:

Drilling Pit ☒**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, 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

TITLE

Regulatory Specialist

DATE 8/16/2007

Type or print name

Patsy Clugston

E-mail address:

Telephone No.

505-326-9518

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

OCT 18 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 90E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7176				AFE \$: 561,131.70	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 184		State: NM	County: SAN JUAN		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:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.519001		Longitude: -107.745307		X:	Y:	Section: 01	Range: 009W
Footage X: 1170 FWL		Footage Y: 1910 FNL		Elevation: 6185 (FT)		Township: 026N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6201 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	5881	<input type="checkbox"/>			320', 8-5/8", 24 ppf, J-55, STC casing. Cement with 312 cuft. Circulate cement to surface.	
OJAM	1165	5036	<input type="checkbox"/>				
KRLD	1286	4915	<input type="checkbox"/>				
FRLD	1578	4623	<input type="checkbox"/>			Possible Gas	
PCCF	1975	4226	<input type="checkbox"/>				
LEWS	2075	4126	<input type="checkbox"/>				
HUERFANITO BENTONITE	2437	3764	<input type="checkbox"/>				
CHRA	2871	3330	<input type="checkbox"/>				
CLFH	3546	2655	<input type="checkbox"/>				
MENF	3636	2565	<input type="checkbox"/>				
PTLK	4276	1925	<input type="checkbox"/>				
MNCS	4606	1595	<input type="checkbox"/>				
GLLP	5429	772	<input type="checkbox"/>				
GRHN	6269	-68	<input type="checkbox"/>				
GRRS	6319	-118	<input type="checkbox"/>				
TWLS	6349	-148	<input type="checkbox"/>	1500		Gas	
PAGU	6414	-213	<input type="checkbox"/>				
CBRL	6474	-273	<input type="checkbox"/>				
ENCINAL	6536	-335	<input type="checkbox"/>				
BRRO	6606	-405	<input type="checkbox"/>				
MORRISON	6631	-430	<input type="checkbox"/>				
TOTAL DEPTH DK	6681	-480	<input type="checkbox"/>			TD 50' below T/MRSN. 6-1/4" Hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Cement with 1962 cu ft. Circulate cement to surface.	
Reference Wells:							
Reference Type	Well Name		Comments				

PROJECT PROPOSAL - New Drill / Sidetrack

HUERFANITO UNIT 90E

DEVELOPMENT

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 - DKNM026N009W01NW2 Do not twin (only 650' away), avoid F, prefer E,D.


Zones - DKNM026N009W01NW2

~ SURFACE OWNER ~

Bureau of Land Management

LATITUDE: 36°31.1403'N
LONGITUDE: 107°44.7181'W
DATUM: NAD1927

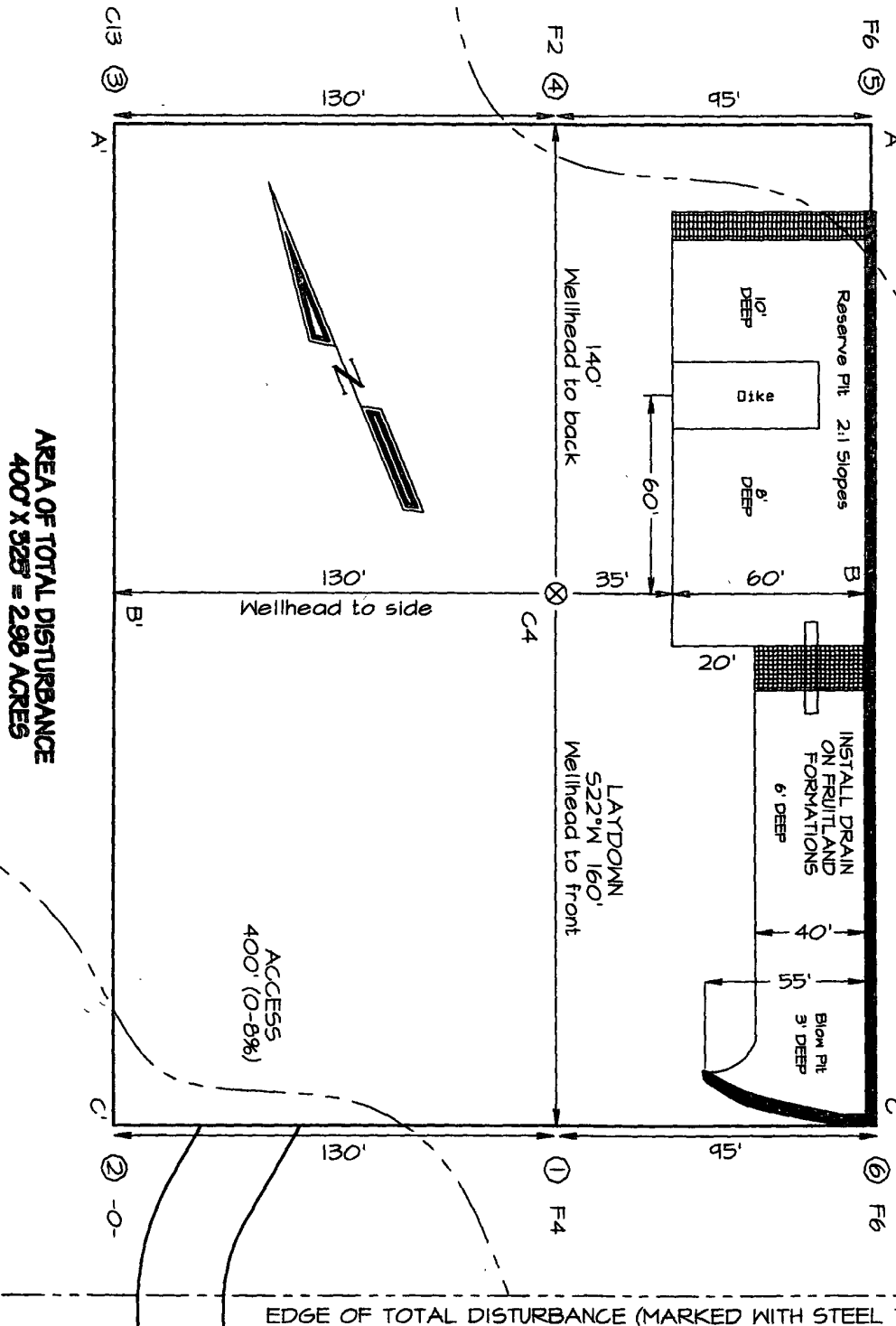
GRAPHIC SCALE 1"=50'



0 50 100

BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #90E
1910' FNL & 1170' FWL, SECTION 1, T26N, R9W, N1PM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6185'

EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

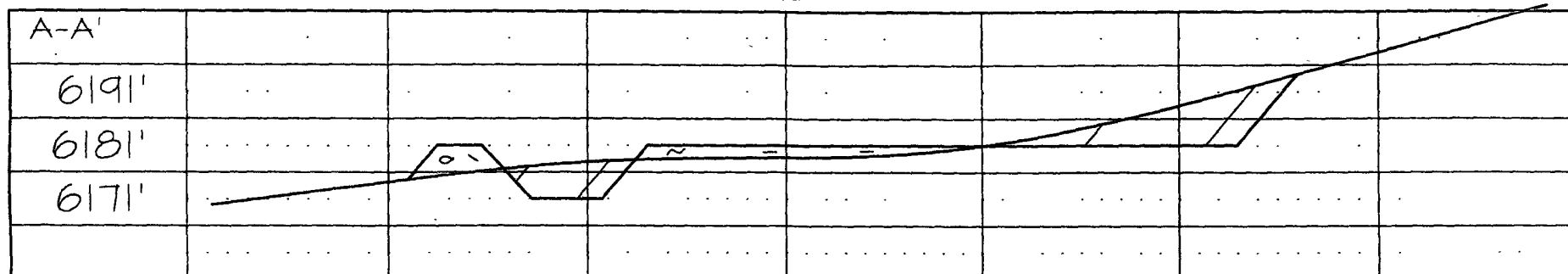
CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #90E
1910' FNL & 1170' FWL, SECTION 1, T26N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6185'

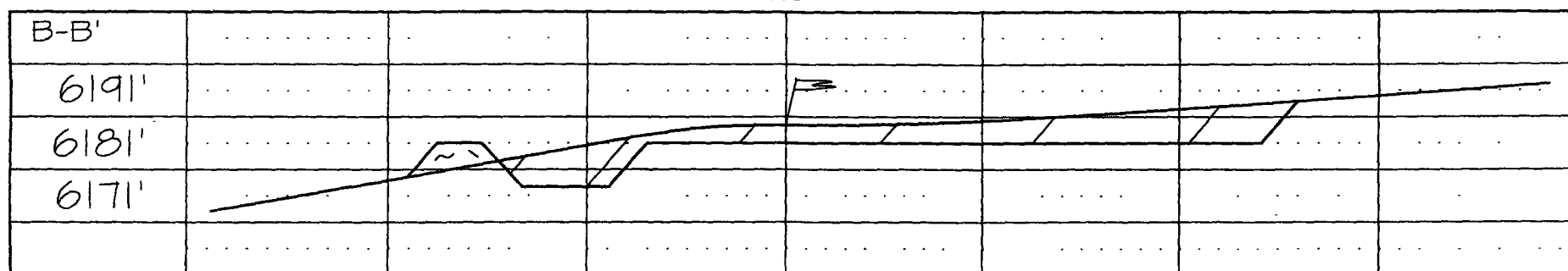
HORIZONTAL SCALE 1"=40'

C/L

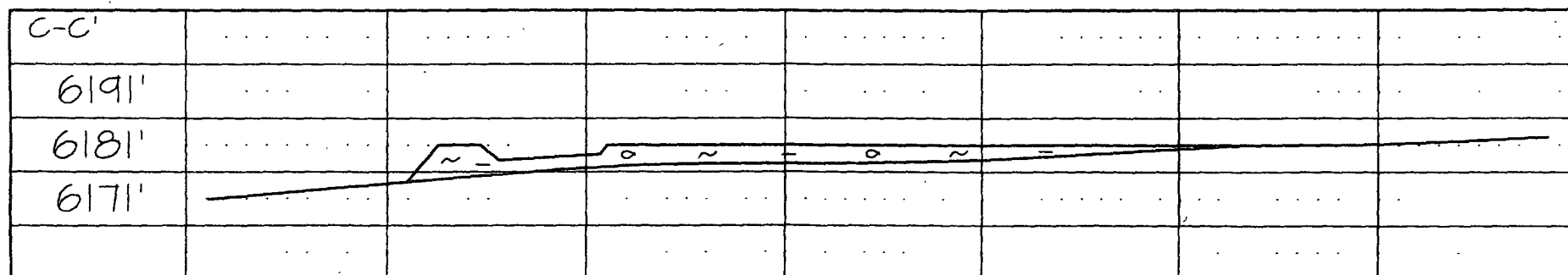
VERTICAL SCALE 1"=30'



C/L



C/L



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