

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 10 '08
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078464 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Federal A 9. Well Number #1E
4. Location of Well Unit L (NWSW), 1600' FSL & 730' FWL Latitude 36.86808 N Longitude 108.1612 W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 25, T31N, R13W API # 30-045-34486
14. Distance in Miles from Nearest Town 8 miles	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 730'	
16. Acres in Lease 2567.96	17. Acres Assigned to Well 320 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 990' Federal A #1/DK	
19. Proposed Depth 2528' 6903'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5885' GL	22. Approx. Date Work will Start 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 10-29-07 Date
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Wayne Townsend TITLE Acting AFM DATE 4/8/08

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 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

APR 14 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

Form C-102
Revised October 12, 2005

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OCT 26 2007

☐ AMENDED REPORT

Bureau of Land Management
WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 34486	*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 7005	*Property Name FEDERAL A	*Well Number 1E
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 5885'

¹⁰ Surface Location

UL or lot no. L	Section 25	Township 31N	Range 13W	Lot Idn	Feet from the 1600	North/South line SOUTH	Feet from the 730	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. L	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320.0 Acres - (W/2)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

	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. Signature: <u>Patsy Clugston</u> Date: <u>8/28/07</u> Printed Name: <u>Patsy Clugston</u>
	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: <u>JULY 25, 2007</u> Signature and Seal of Professional Surveyor <u>JASON C. EDWARDS</u> Certificate Number 15269

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045- 34486

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-078464

7. Lease Name or Unit Agreement Name

Federal A

8. Well Number

#1E

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 L : 1600' feet from the South line and 730' feet from the West line
Section 25 Township 31N Rng 13W NMPM County San Juan

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

5885'

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

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

TITLE

Regulatory Technician

DATE

10/24/2007

Type or print name

Sasha Spangler

E-mail address: spangs@conocophillips.com

Telephone No. 505-326-9568

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector

DATE

APR 14 2008

Conditions of Approval (if any):

District #3

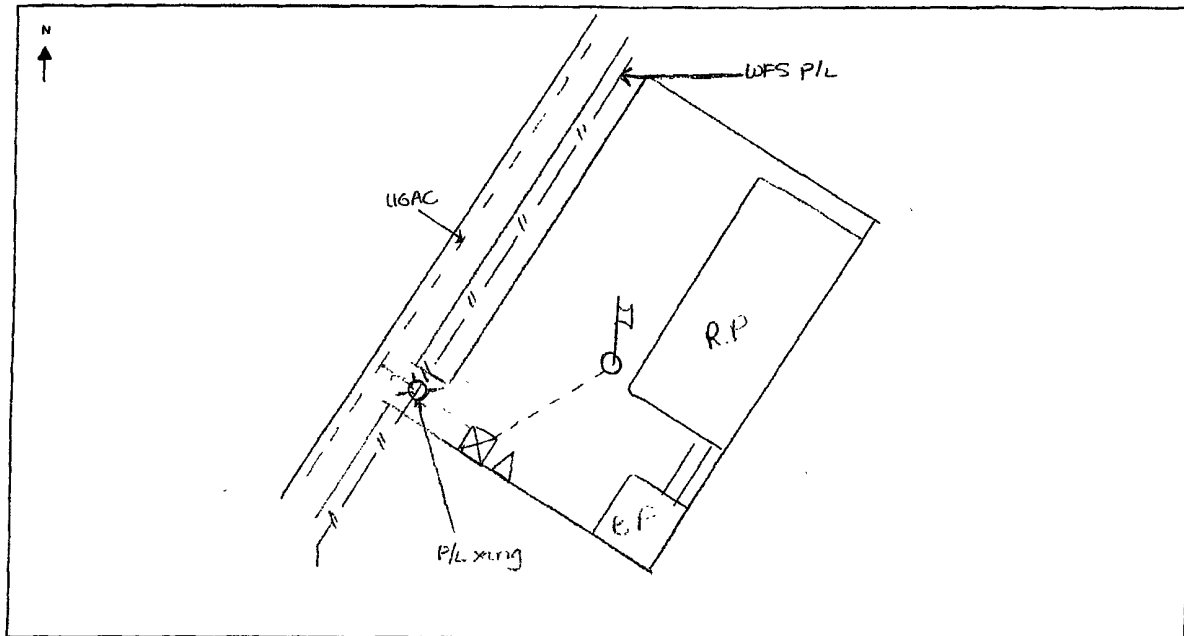


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Federal A #1E LEGALS L-25-31-13 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GB and set rectifier on SW edge of the location. Trench approx 80' of A/C from UGAC to rectifier. Trench approx 160' of #8 cable from proposed well to rectifier.



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

COMMENTS: 1 P/L x-ing

NEAREST POWER SOURCE UGAC DISTANCE: 80'

PIPELINES IN AREA: WFS P/L

TECHNICIAN: Mike J. [signature] DATE: 9/4/07

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FEDERAL A 1E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7225		AFE \$: 512,160.54	
Field Name: hBR_SAN JUAN		Rig: Bearcat Rig 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: 36.868078	Longitude: -108.161490	X:	Y:	Section: 25	Range: 013W
Footage X: 730 FWL	Footage Y: 1600 FSL	Elevation: 5885 (FT)	Township: 031N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 5897		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320' 200'	5697	<input type="checkbox"/>		
OJO ALAMO	619	5278	<input type="checkbox"/>		
KIRTLAND	647	5250	<input type="checkbox"/>		
FRUITLAND	1847	4050	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	2172	3725	<input type="checkbox"/>		
LEWIS	2327	3570	<input type="checkbox"/>		
HUERFANITO BENTONITE	2787	3110	<input type="checkbox"/>		
CHACRA	3211	2686	<input type="checkbox"/>		
UPPER CLIFF HOUSE	3697	2200	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	3787	2110	<input type="checkbox"/>	630	Gas
MENEFEE	3972	1925	<input type="checkbox"/>		
PTLK	4482	1415	<input type="checkbox"/>		
MANCOS	4802	1095	<input type="checkbox"/>		
UPPER GALLUP	5785	112	<input type="checkbox"/>		
GREENHORN	6527	-630	<input type="checkbox"/>		
GRANEROS	6595	-698	<input type="checkbox"/>		
TWO WELLS	6661	-764	<input type="checkbox"/>	1730	Gas
PAGUATE	6703	-806	<input type="checkbox"/>		
LOWER CUBERO	6750	-853	<input type="checkbox"/>		
ENCINAL	6787	-890	<input type="checkbox"/>		
MORRISON	6897	-1000	<input type="checkbox"/>		
TOTAL DEPTH DK	6903	-1006	<input type="checkbox"/>		
12-1/4 hole. 320' 8 5/8" 24.0 ppf, J-55, STC casing. Cement with 312 cuft. Circulate cement to surface.					
7 7/8" Hole. 4-1/2", 10.5 ppf, J-55 STC casing. Cement with 2028 cuft. Circulate cement to surface.					
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FEDERAL A 1E

DEVELOPMENT

Logging Program:			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo <input checked="" type="checkbox"/> Other

GR_CBL

Bottom Perf 20' above TD

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

Comments: Location/Tops/Logging - DK 31N13W25SW2 Avoid K, prefer L,M, no other wells.

Zones - DK 31N13W25SW2

~ SURFACE OWNER ~

Bureau of Land Management

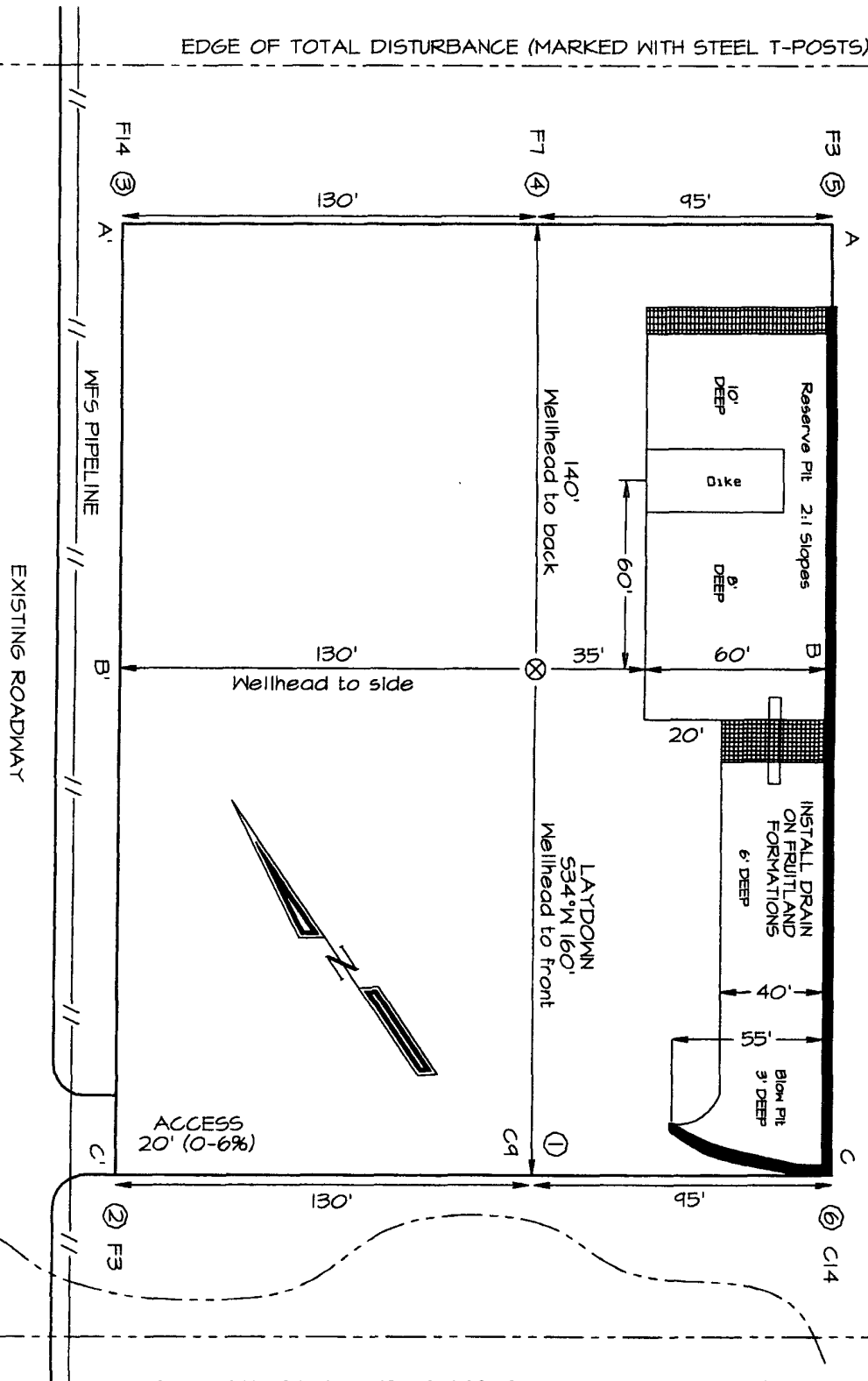
LATITUDE: 36°52.0848'N
LONGITUDE: 108°09.6897'W
DATUM: NAD1927



BURLINGTON RESOURCES OIL & GAS COMPANY FEDERAL A #1E
1600' FSL & 730' FWL, SECTION 25, T31N, R13W, N1PM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5885'

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

AREA OF TOTAL DISTURBANCE
400' X 325' = 298 ACRES



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

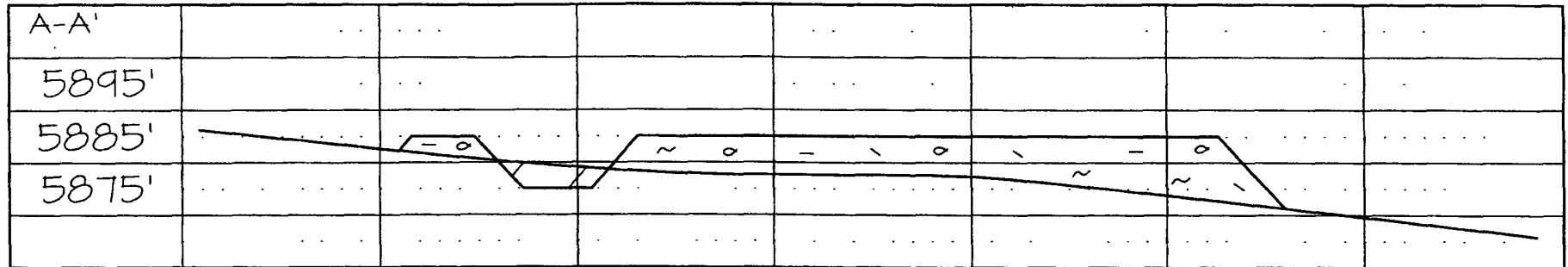
CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY FEDERAL A #1E
1600' FSL & 730' FWL, SECTION 25, T31N, R13W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5885'

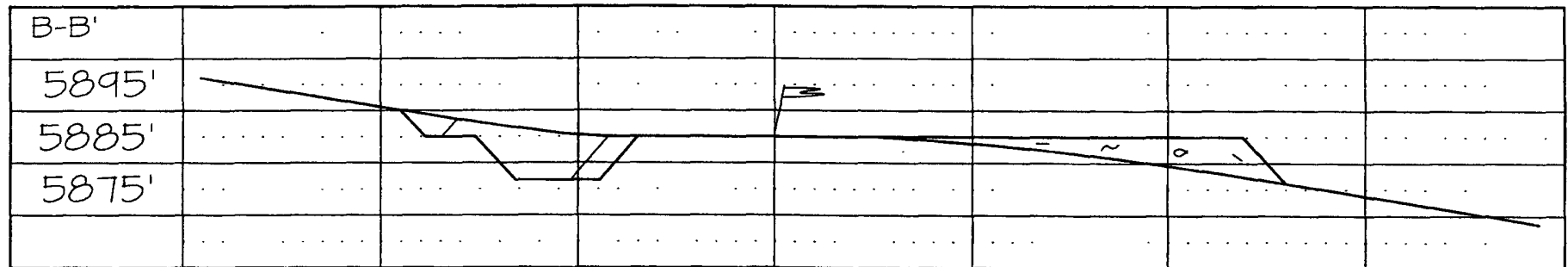
HORIZONTAL SCALE 1"=40'

C/L

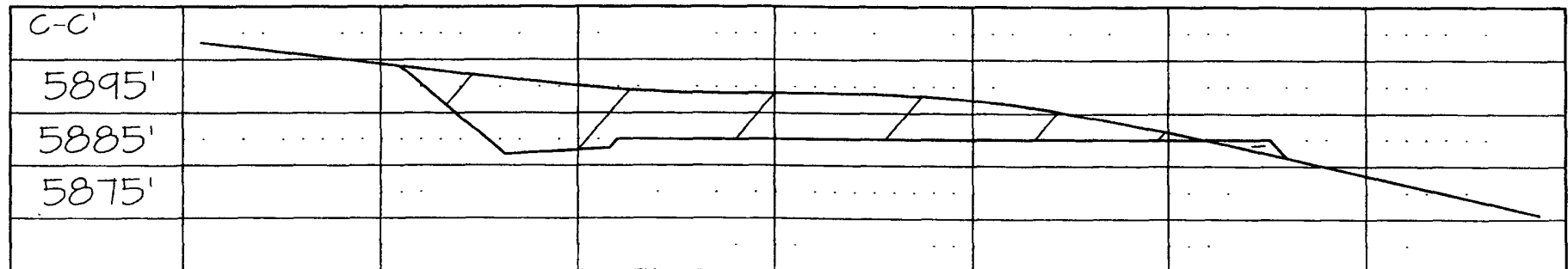
VERTICAL SCALE 1"=30'



C/L



C/L



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