

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2007 AUG 15 PM 4 03	5. Lease Number NMSF- 078135 Unit Reporting Number	
1b. Type of Well GAS	RECEIVED 070 FARMINGTON NM	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> 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  9. Well Number 80F	
4. Location of Well Unit D (NWNW), 1045' FNL & 1010' FWL,  Latitude 36° 50711'N Longitude 107° 78185'W		10. Field, Pool, Wildcat Basin Dakota  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 10, 26N, R09W API # 30-045- 34393	
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 1010'			
16. Acres in Lease 2,241.88		17. Acres Assigned to Well DK 320 Acres - N/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease			
19. Proposed Depth 6843'		20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6333' GL		22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached			RCVD AUG 27 07 OIL CONS. DIV. DIST. 3
24. Authorized by: <u>Patsy Clugot</u> Regulatory Specialist		Date <u>8/15/07</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE

AFM

DATE

8/24/07

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 2 - SEE MASTER PLAN

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

NMOCD

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

District I  
1125 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

Form C-102  
Revised October 12, 2005  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

2007 AUG 15 pm 03  
2007 AUG 27 '07  
AMENDED REPORT  
RECEIVED OIL CONS. DIV.

070 FARMINGTON NM ST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34393		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 7138	*Property Name HUERFANITO UNIT		*Well Number 80F
*GRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6333'

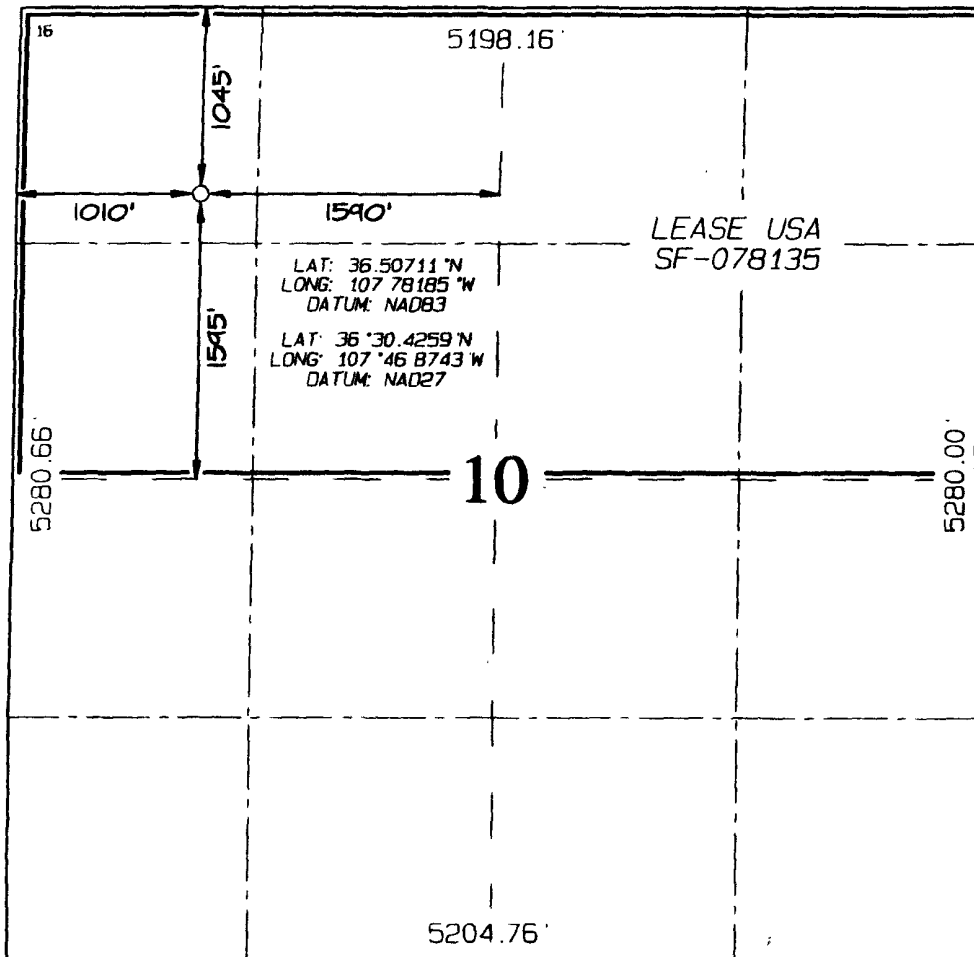
<sup>10</sup> Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	10	26N	9W		1045	NORTH	1010	WEST	SAN JUAN

<sup>11</sup> 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
D									
<sup>12</sup> Dedicated Acres 320.0 Acres (N/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>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 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

<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: May 8, 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.	30-045-34393
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease - SF-078135
7. Lease Name or Unit Agreement Name	Hurfanito Unit
8. Well Number	#80F
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 D Section 10 feet from the North line and 1010 feet from the West line  
Township 26N Range 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6333' 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 >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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <u>Drilling Pit</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 Patsy Clugston TITLE Regulatory Specialist DATE 8/15/2007

Type or print name Patsy Clugston E-mail address: Telephone No. 505-326-9518

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE AUG 29 2007

Conditions of Approval (if any):

### PROJECT PROPOSAL - New Drill / Sidetrack

HUERFANITO UNIT 80F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7174		AFE \$: 563,156.70	
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: 36.507101	Longitude: -107.781236	X:	Y:	Section: 10	Range: 009W
Footage X: 1010 FWL	Footage Y: 1045 FNL	Elevation: 6333 (FT)	Township: 026N		

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6349 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6029	<input type="checkbox"/>			12-1/4" Hole. 8-5/8" 24 ppf, J-55, STC casing. Cement with 319 cuft. Circulate cement to surface.
OJAM	1236	5113	<input type="checkbox"/>			
KRLD	1328	5021	<input type="checkbox"/>			
FRLD	1736	4613	<input type="checkbox"/>			Possible Gas
PCCF	2040	4309	<input type="checkbox"/>			
LEWS	2123	4226	<input type="checkbox"/>			
HUERFANITO BENTONITE	2475	3874	<input type="checkbox"/>			
CHRA	2915	3434	<input type="checkbox"/>			
CLFH	3607	2742	<input type="checkbox"/>			
MENF	3702	2647	<input type="checkbox"/>			
PTLK	4454	1895	<input type="checkbox"/>			
MNCS	4699	1650	<input type="checkbox"/>			
GLLP	5508	841	<input type="checkbox"/>			
GRHN	6356	-7	<input type="checkbox"/>			
GRRS	6411	-62	<input type="checkbox"/>			
TWLS	6435	-86	<input type="checkbox"/>	1774		Gas
PAGU	6534	-185	<input type="checkbox"/>			
CBRL	6610	-261	<input type="checkbox"/>			
ENCINAL	6656	-307	<input type="checkbox"/>			
BRRO	6732	-383	<input type="checkbox"/>			
MORRISON	6793	-444	<input type="checkbox"/>			
TOTAL DEPTH DK	6843	-494	<input type="checkbox"/>			TD 50' below T/MRSN. 7-7/8" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 2040 cuft. Circulate cement to surface.

**Reference Wells:**

Reference Type	Well Name	Comments
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# PROJECT PROPOSAL - New Drill / Sidetrack

HUERFANITO UNIT 80F

DEVELOPMENT

**Logging Program:**

Intermediate Logs:  Log only if show  GR/ILD  Triple Combo

TD Logs:  Triple Combo  Dipmeter  RFT  Sonic  VSP  TDT  Other

GR\_CBL

Additional Information:

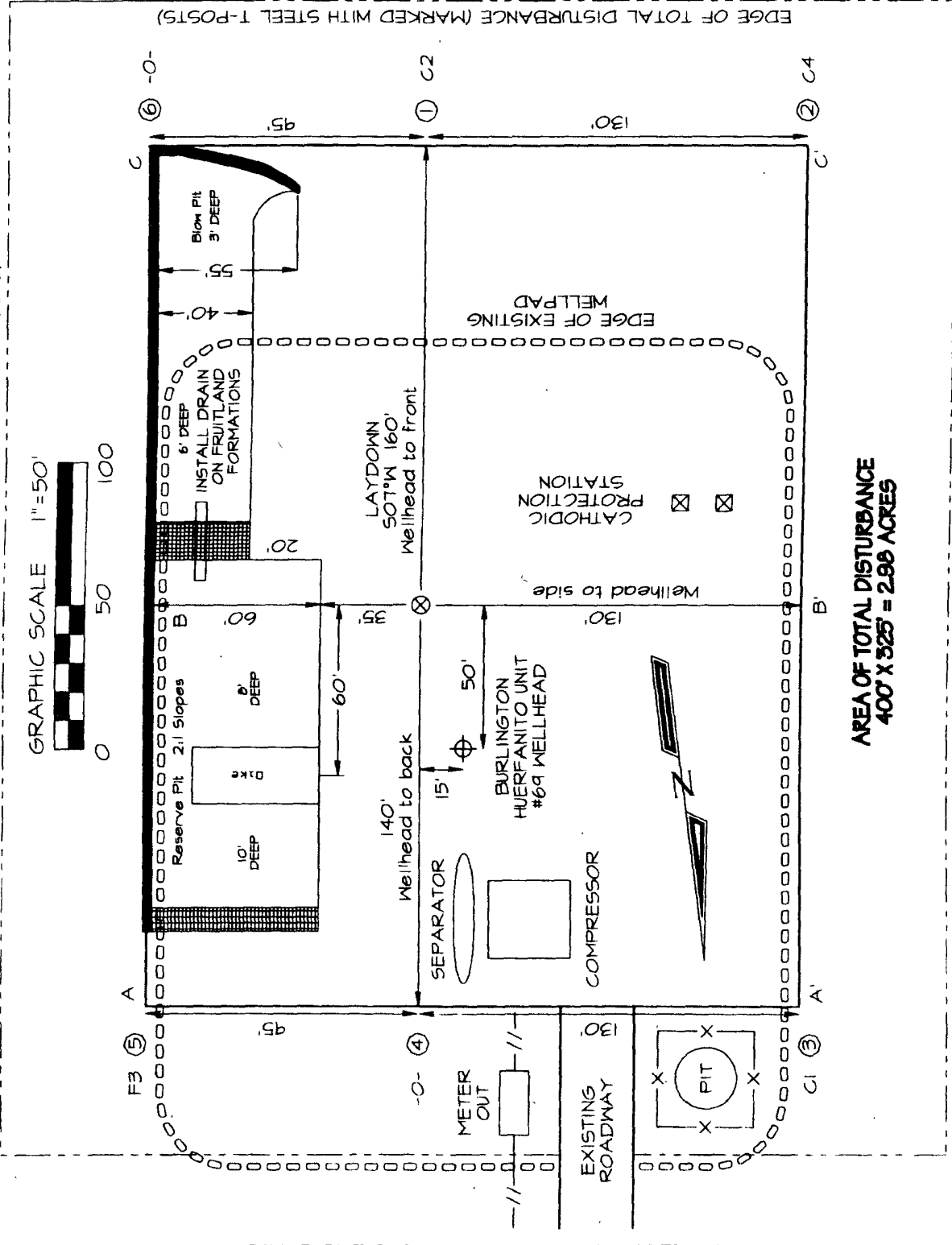
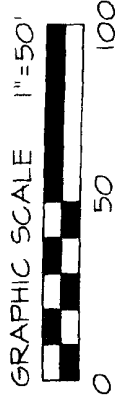
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DKNM026N009W10NW2 Twin Huerfanito 23R (PC) or 23-4 (FTC) else prefer F,C,E,D - much of 1/4 is in BLM Wildlife project area.

Zones - DKNM026N009W10NW2

**BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #80F**  
**1045' FNL & 1010' FWL, SECTION 10, T26N, R9W, NMPM**  
**SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6333'**

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



**AREA OF TOTAL DISTURBANCE**  
**400' X 525' = 2.98 ACRES**

LATITUDE: 36°30.4259N  
 LONGITUDE: 107°46.8743W  
 DATUM: NAD1927

~ SURFACE OWNER ~  
 Bureau of Land Management

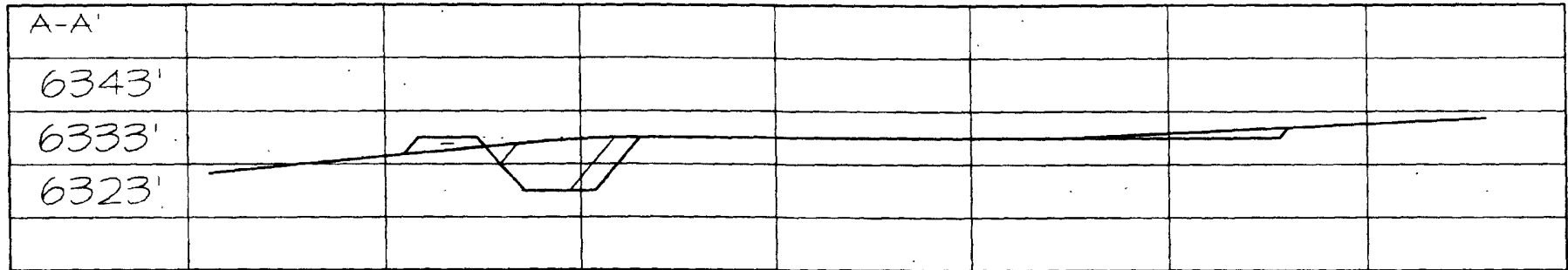
NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

**BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #80F  
 1045' FNL & 1010' FWL, SECTION 10, T26N, R9W, NMPM  
 SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6333'**

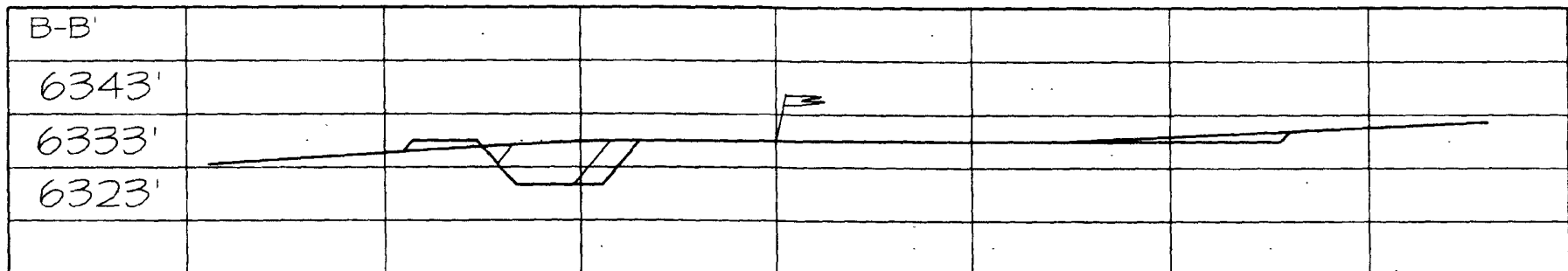
HORIZONTAL SCALE 1"=40'

C/L

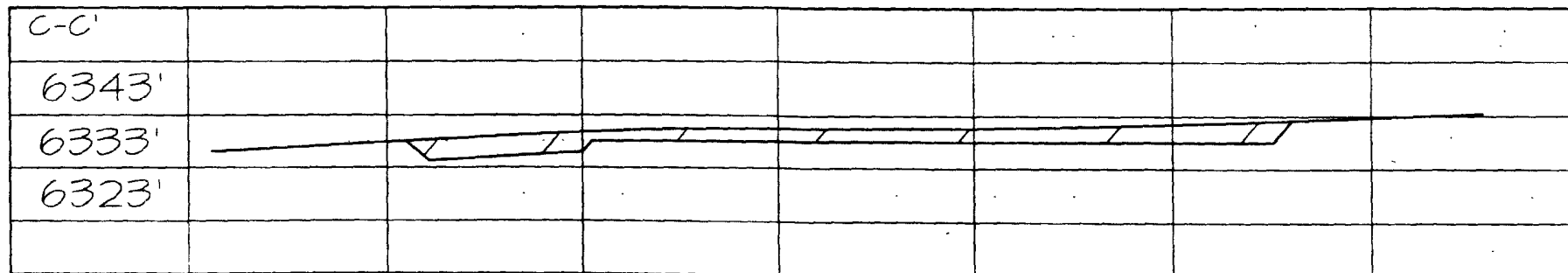
VERTICAL SCALE 1"=30'



C/L



C/L



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 UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.