

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAR 7 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA NM-078356 NMSF-078356 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 Surf: Unit C(NENW), 1040' FNL & 2015' FWL Surf: Latitude 36.56519° N Longitude 107.77785° W	9. Well Number #75E 10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 22, T27N, R9W API # 30-045-34604	
14. Distance in Miles from Nearest Town 28 Miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1040'		
16. Acres in Lease 1440 Acres	17. Acres Assigned to Well 320 Acres (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1210' from Huerfanito #44		
19. Proposed Depth 6992'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6325' GR	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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)	2/21/08 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

MAR 07 2008

NMOCD

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

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

RECEIVED
FEB 22 2008

Bureau of Land Management
Burlington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34604	*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 7138	*Property Name HUERFANITO UNIT	*Well Number 75E
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6325'


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
C	22	27N	9W		1040	NORTH	2015	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
C									
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

<div><p>16</p><p>5270.76'</p><p>1040'</p><p>2015'</p><p>620'</p><p>LAT: 36.56519°N LONG: 107.77785°W DATUM: NAD83</p><p>LAT: 36°33.9109'N LONG: 107°46.6339'W DATUM: NAD27</p><p>5286.60'</p><p>5290.56'</p><p>5264.82'</p><p>22</p><p>LEASE USA SF-078356</p></div>	<div><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>Crystal Walker</i> 2/21/08 Signature Date Crystal Walker 2-21-08 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>Survey Date: NOVEMBER 1, 2007</p><p>Signature and Seal of Professional Surveyor</p><p></p><p><i>JASON C. EDWARDS</i> Certificate Number 15269</p></div>
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1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

WELL API NO.	30-045- <u>34604</u>
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	SF-078356
7. Lease Name or Unit Agreement Name	Huerfanito Unit
8. Well Number	#75E
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, LP

3. Address of Operator
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location
Unit Letter C : 1040' feet from the North line and 2015' feet from the West line
Section 22 Township 27N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6325' GL

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

OTHER: New Drill Pit ☒

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 NMOCDD 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 NMOCDD 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 NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Patsy Clugston TITLE Regulatory Specialist DATE 1/8/2008

Type or print name Patsy Clugston E-mail address: clugspl@conocophillips.com Telephone No. 505-326-9518
For State Use Only

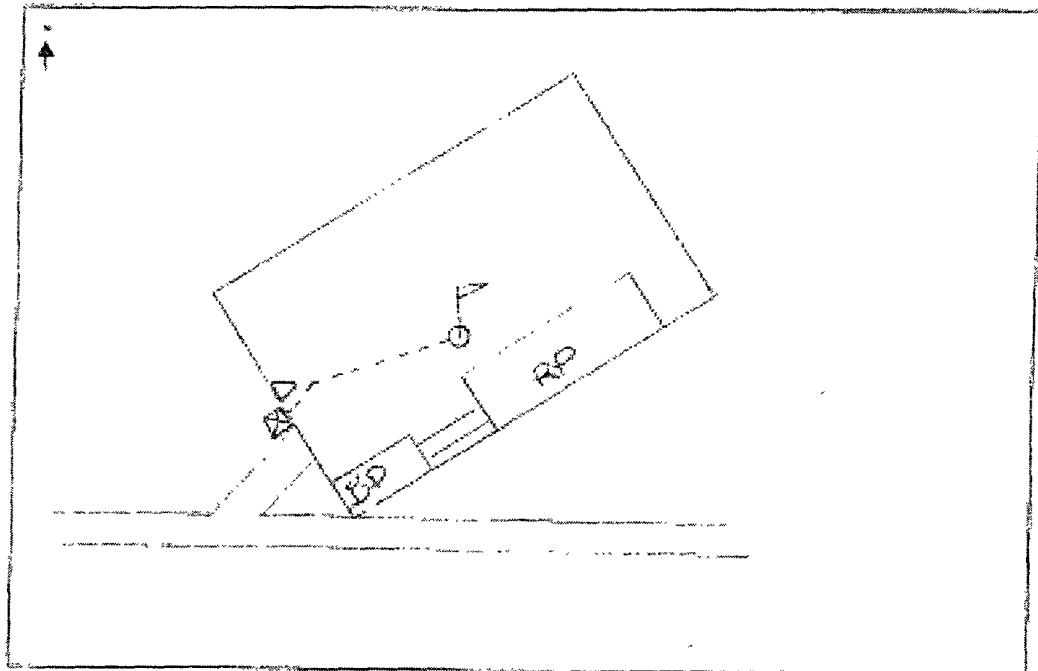
APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAR 07 2008
Conditions of Approval (if any):



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Huerfania Unit # 7E LEGALSC 22 27.9 COUNTY San Juan

PURPOSED C.P. BYSYSTEM: Draw BP and set a tin well solar @ well corner
near access Trench approx 300' of #8 negative cable from wellhead
to solar



EXISTING WELLHEAD	WELL HEAD	C.B.	POWER SOURCE	CABLE	WIRE	CABLEHEAD

COMMENTS:

NEAREST POWER SOURCE N/A

DISTANCE: N/A

PIPELINES IN AREA: N/A

TECHNICIAN: [Signature]

DATE: 12/7/07

8 CR 8412 BLOOMFIELD, N.M. 87413
 OFFICE: 505-634-0271 CELL: 505-793-8953

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANITO UNIT 75E

DEVELOPMENT

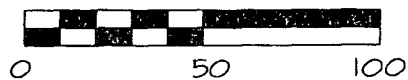
Lease:		AFE #: WAN.CDR.7216		AFE \$: 604,167.20	
Field Name: hBR_SAN JUAN		Rig: XXX Deferred RAM		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location:					
Datum Code: NAD 27		Section: 22			
Latitude: 36.565182	Longitude: -107.777232	X:	Y:	Range: 009W	
Footage X: 2015 FWL	Footage Y: 1040 FNL	Elevation: 6325 (FT)	Township: 027N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2020		Completion Date:	
Formation Data: Assume KB = 6339		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6019	<input type="checkbox"/>		
OJO ALAMO	1391	4948	<input type="checkbox"/>		
KIRTLAND	1490	4849	<input type="checkbox"/>		
FRUITLAND	1891	4448	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	2060	4279	<input type="checkbox"/>		
LEWIS	2154	4185	<input type="checkbox"/>		
HUERFANITO BENTONITE	2762	3577	<input type="checkbox"/>		
CHACRA	3180	3159	<input type="checkbox"/>		
UPPER CLIFF HOUSE	3855	2484	<input type="checkbox"/>		
MENEFEE	3962	2377	<input type="checkbox"/>		
MASSIVE POINT LOOKOUT	4547	1792	<input type="checkbox"/>	1154	GAS
MANCOS	4730	1609	<input type="checkbox"/>		
UPPER GALLUP	5769	570	<input type="checkbox"/>		
GREENHORN	6585	-246	<input type="checkbox"/>		
GRANEROS	6633	-294	<input type="checkbox"/>		
TWO WELLS	6671	-332	<input type="checkbox"/>	1600	GAS
PAGUATE	6737	-398	<input type="checkbox"/>		
CUBERO	6794	-455	<input type="checkbox"/>		
ENCINAL	6856	-517	<input type="checkbox"/>		
BURRO CANYON	6945	-606	<input type="checkbox"/>		
MORRISON	6951	-612	<input type="checkbox"/>		
Total Depth	6992	-653	<input type="checkbox"/>		
12-1/4" hole. 8-5/8", 24 ppf, J-55, STC casing. Cement with 319 cubic ft. Circulate cement to surface.					
TD 40' below T/MRSN. 6-1/4" hole, 4-1/2" 11.6 ppf, N-80 LTC casing. Cement with 2084 cubic ft. Circulate cement to surface.					
Reference Wells:					
Reference Type	Well Name	Comments			
Production	Huerfanito 96	27N-9W-22 NE NE			
Production	Huerfanito 75	27N-9W-22 SW NW			

~ SURFACE OWNER ~

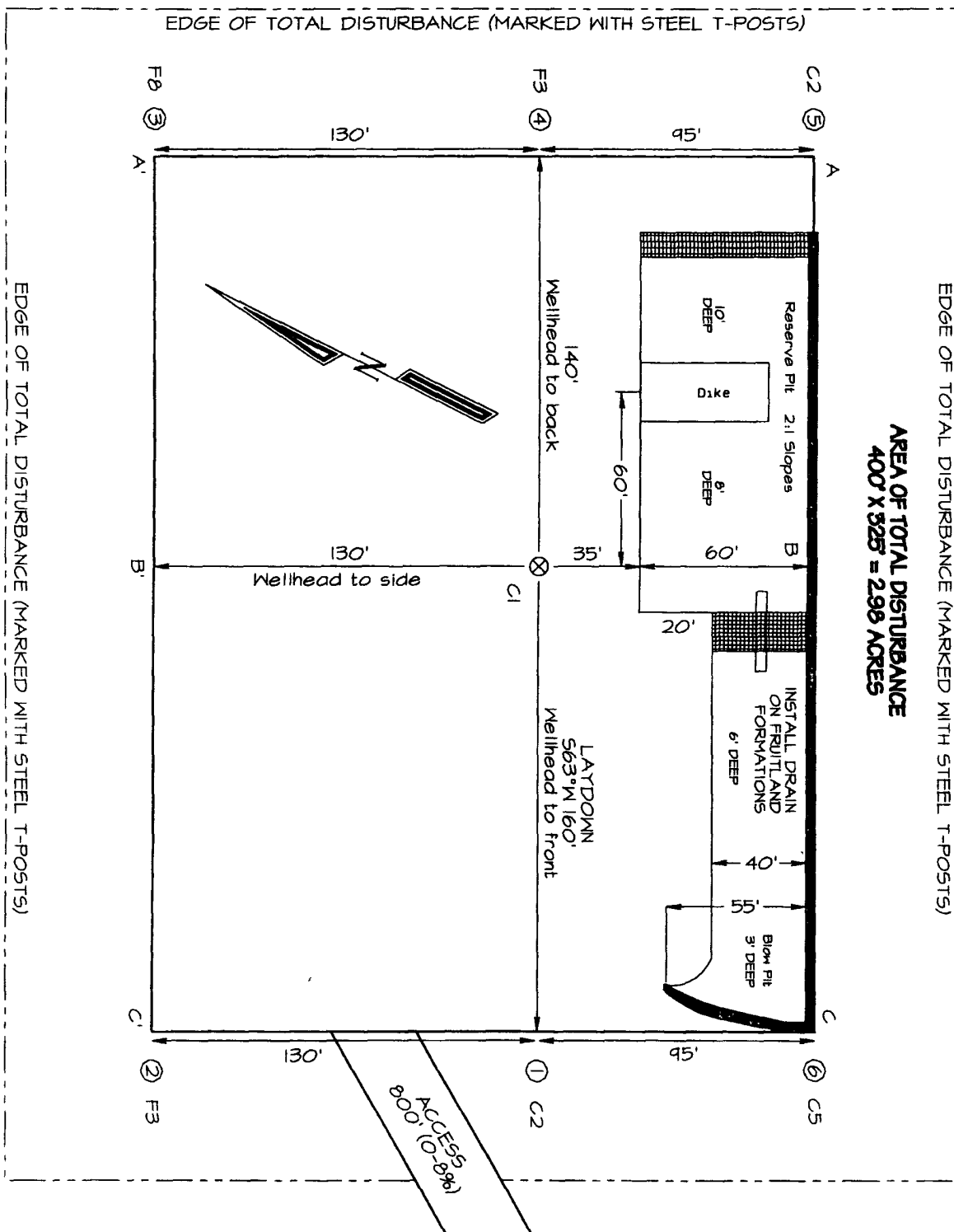
Bureau of Land Management

LATITUDE: 36°33.9109'N
LONGITUDE: 107°46.6339'W
DATUM: NAD1927

GRAPHIC SCALE 1"=50'



BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #75E
1040' FNL & 2015' FWL, SECTION 22, T27N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6325'



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

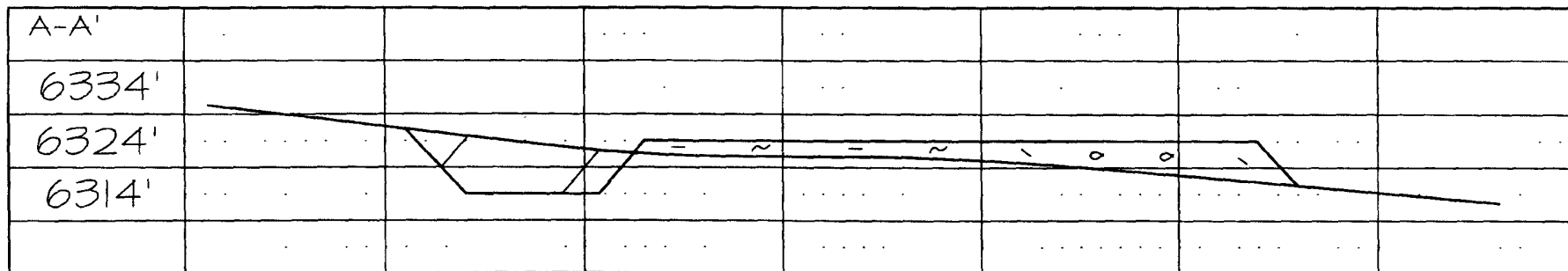
CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY HUERFANITO UNIT #75E
1040' FNL & 2015' FWL, SECTION 22, T27N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6325'

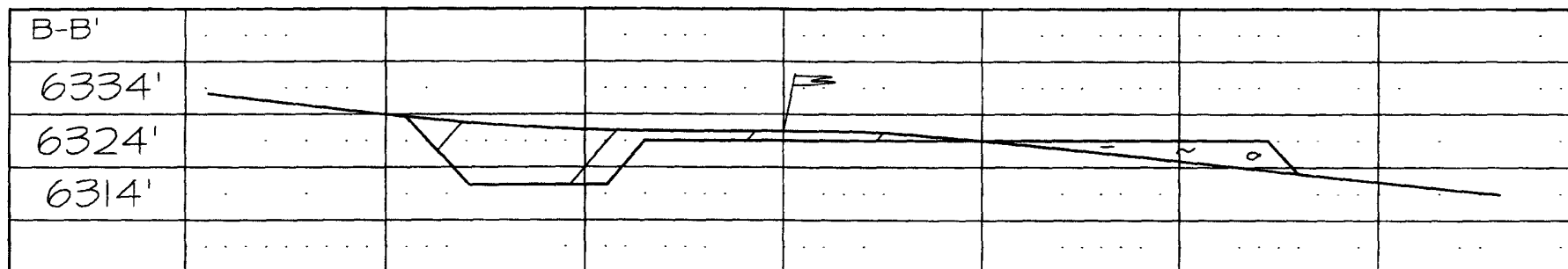
HORIZONTAL SCALE 1"=40'

C/L

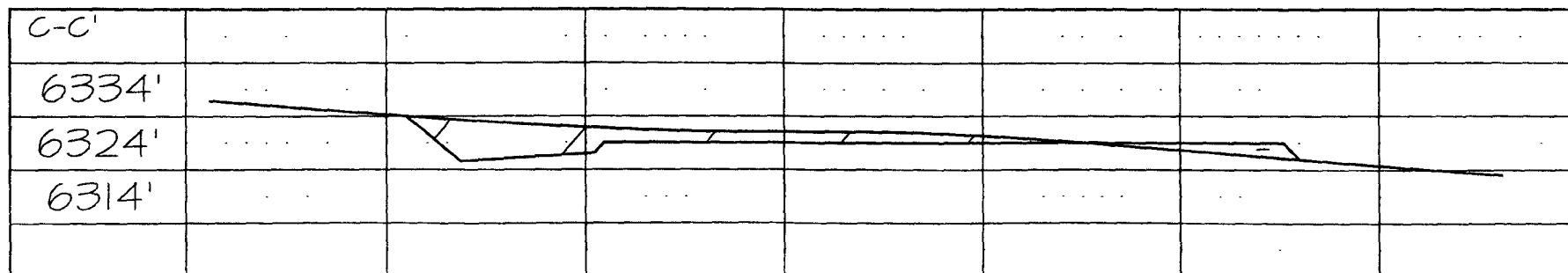
VERTICAL SCALE 1"=30'



C/L



C/L



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.