

Burlington N2  
HOP allocated  
Pad

NOS: 06-21-07  
APDP: 2  
MP: 10-16-07  
SMA: BLM  
BOND: 2  
CA/PA: PA2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	<b>RECEIVED</b> OCT 15 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-079250 Unit Reporting Number NMNM78411A(MV), NMNM78411B(DK)
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name San Juan 28-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700		8. Farm or Lease Name RCVD NOV 13 '07 OIL CONS. DIV. DIST 3
4. Location of Well Unit B (NWNE), 660' FNL & 2630' FEL  Latitude 36.66668 N Longitude 107.38249 W		10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde  11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 17, T28N, R5W  API # 30-039-30399
14. Distance in Miles from Nearest Town 3 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'		
16. Acres in Lease 2453.7	17. Acres Assigned to Well MV/DK 320.0 (N/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1485' From San Juan 28-5 #75M		
19. Proposed Depth 7992'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6585'	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)		10/15/07 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-B

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 3

Bond Numbers NMB-000015 and NMB-000069

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

NMOCD 8

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

NOV 20 2007 AV

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

OCT 15 2007

Bureau of Land Management  
Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30399		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7460	*Property Name SAN JUAN 28-5 UNIT		*Well Number 75N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6585'

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
B	17	28N	5W		660	NORTH	2630	EAST	RIO ARriba

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
B									

*Dedicated Acres 320.0 Acres (N/2)	*Joint or Int'l	*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>2640.00'</p> <p>LAT: 36°40.0002'N LONG: 107°22.9133'W DATUM: NAD83</p> <p>LEASE USA SF-079250</p> <p>17</p> <p>5280.00'</p> <p>5286.60'</p>		<p>2640.00'</p> <p>2630'</p> <p>10'</p> <p>1086'</p> <p>5280.00'</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> 10/21/07 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: MAY 22, 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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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.

30-039- 30399

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

Federal Lease SF-079250

7. Lease Name or Unit Agreement Name

San Juan 28-5 Unit

8. Well Number

#75N

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota / Blanco Mesaverde

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 &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter B : 660' feet from the North line and 2630' feet from the East line  
Section 17 Township 28N Rng 5W NMPM County Rio Arriba

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

6585" GL

Pit or Below-grade Tank Application

☐ or ClosurePit 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 ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐

OTHER:

New Drill Pit ☒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 Jamie Goodwin TITLE

Regulatory Technician

DATE 10/1/2007

Type or print name

Jamie Goodwin

E-mail address:

goodwinj@conocophillips.com

Telephone No.

505-326-9700

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,  
District #3

DATE

NOV 20 2007

Conditions of Approval (if any):

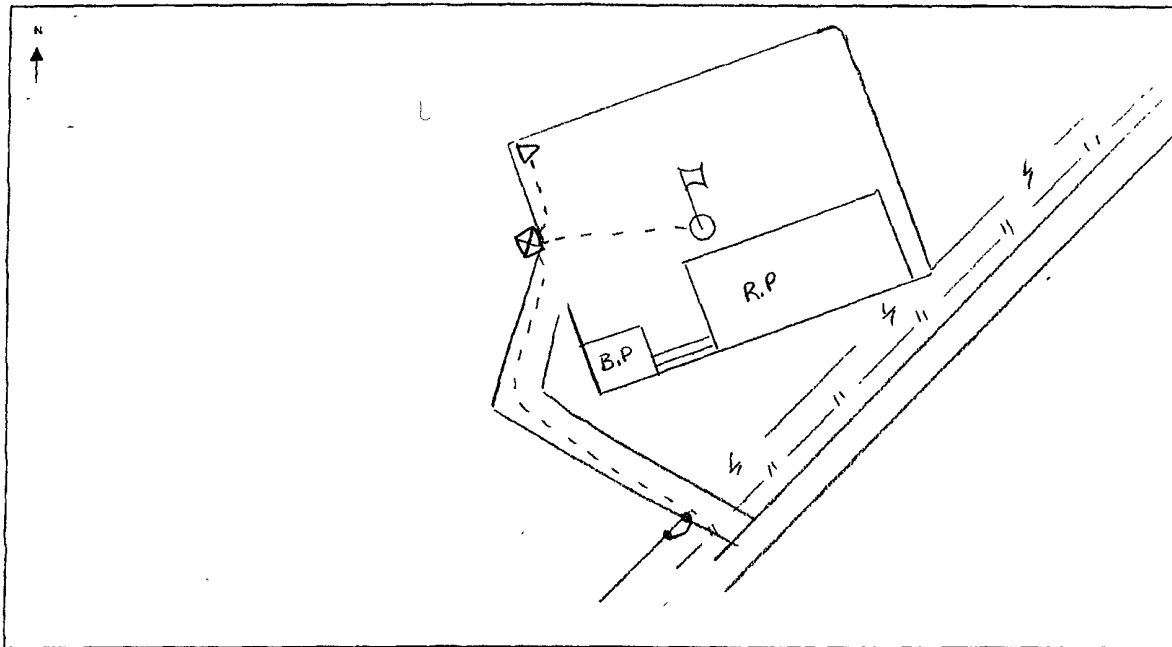


TECHNICAL SERVICES  
A CORROSION COMPANY

### CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 2B-5 #75N LEGALS B-17-28-5 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.B. on NW corner of P location. Set rectifier on W edge  
(N side of parcels) Set BP off existing overhead A/C and trench approx 800' of A/C to rectifier.  
Trench approx 200' of #8 neg. from proposed well to rectifier.



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

COMMENTS: \_\_\_\_\_

NEAREST POWER SOURCE Overhead A/C DISTANCE: 800'  
PIPELINES IN AREA: \_\_\_\_\_

TECHNICIAN: Michael J. Hargrave DATE: 6/6/07

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

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 75N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7133				AFE \$:	
Field Name: hBR_SAN JUAN 28-5 UNIT		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
<b>Zone</b>	<b>Zone Name</b>						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
<b>Location:</b> Surface <b>Datum Code:</b> NAD 27 <b>Straight Hole</b>							
Latitude: 36.666672		Longitude: -107.381888		X:	Y:	Section: 17	Range: 005W
Footage X: 2630 FEL		Footage Y: 660 FNL		Elevation: 6585 (FT)		Township: 028N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6601      Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	216	6385	<input type="checkbox"/>			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 171 cubic ft. Circulate cement to surface.	
OJAM	2731	3870	<input type="checkbox"/>				
FRLD	2807	3794	<input type="checkbox"/>			Possible Gas	
KRLD	3294	3307	<input type="checkbox"/>				
PCCF	3490	3111	<input type="checkbox"/>				
LEWS	3622	2979	<input type="checkbox"/>				
Intermediate Casing	3722	2879	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 838 cubic ft. Circulate cement to surface.	
CHRA	4484	2117	<input type="checkbox"/>				
UCLFH	5078	1523	<input type="checkbox"/>			Gas	
MASSIVE CLIFF HOUSE	5297	1304	<input type="checkbox"/>	613		Gas	
MENF	5367	1234	<input type="checkbox"/>				
PTLK	5687	914	<input type="checkbox"/>				
MNCS	6141	460	<input type="checkbox"/>				
GLLP	6890	-289	<input type="checkbox"/>				
GRHN	7632	-1031	<input type="checkbox"/>				
GRRS	7697	-1096	<input type="checkbox"/>				
TWLS	7750	-1149	<input type="checkbox"/>	2000		Gas	
CBRO	7822	-1221	<input type="checkbox"/>				
CBRL	7870	-1269	<input type="checkbox"/>				
ENCINAL	7952	-1351	<input type="checkbox"/>			TD 40' below T/ENCN	
TOTAL DEPTH DK	7992	-1391	<input type="checkbox"/>			6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 581 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.	
<b>Reference Wells:</b>							
Reference Type	Well Name			Comments			

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 75N

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, Mudlogger 100' above GRHN to TD

## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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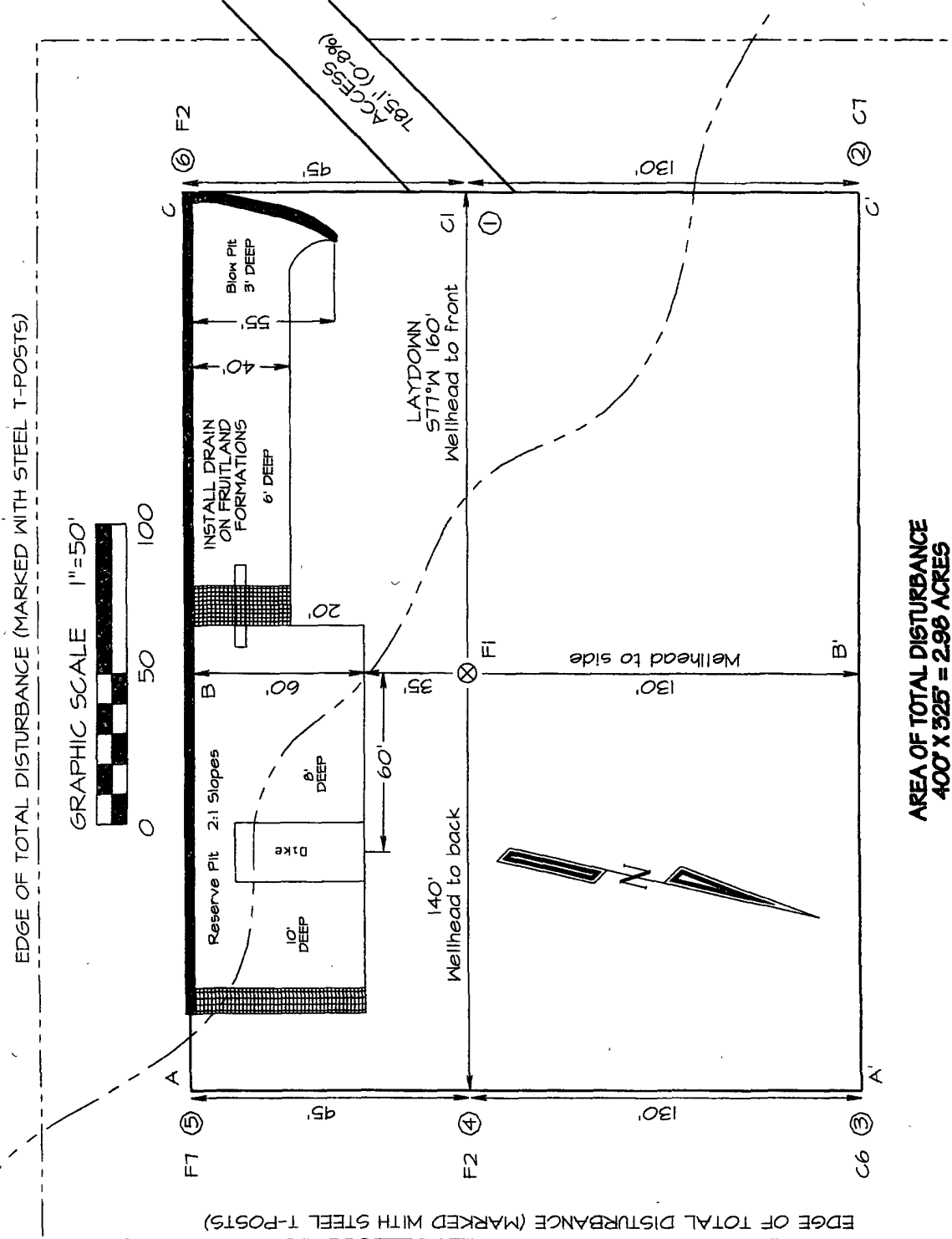
Comments: Location/Tops/Logging - MVNM028N005W17NE2 DK 28N05W17NE2 Avoid G & H, no other usable twin options, prefer B,A. MUDLOG 100' above GRHN to TD

Zones - MVNM028N005W17NE2 DK 28N05W17NE2

General/Work Description - LEWIS INCLUDED

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

~ SURFACE OWNER ~

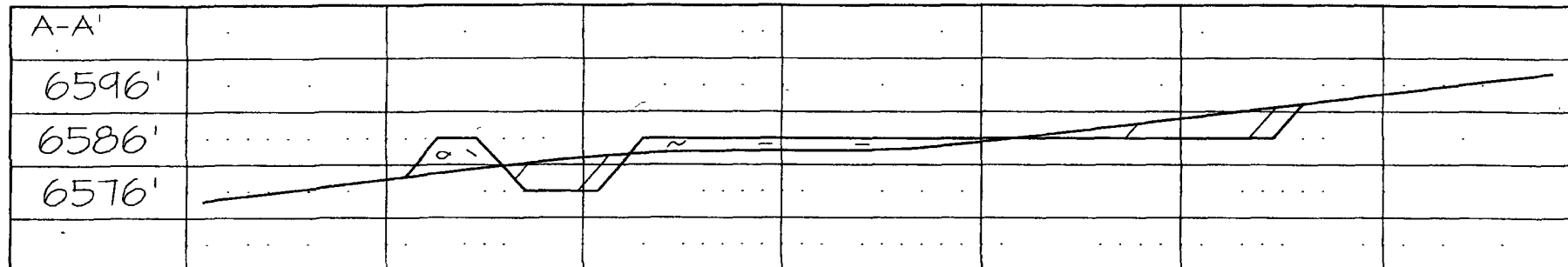


**BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 28-5 UNIT #75N**  
**660' FNL & 2630' FEL, SECTION 17, T28N, R5W, NMPM**  
**RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6585'**

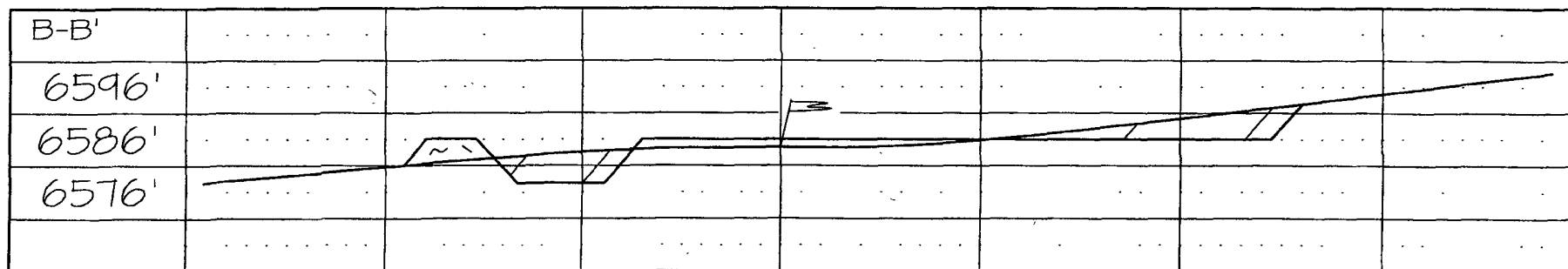
HORIZONTAL SCALE 1"=40'

C/L

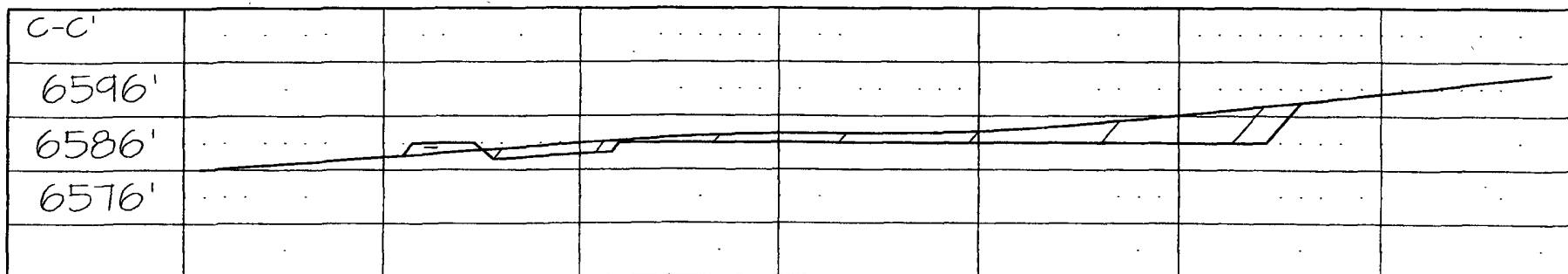
VERTICAL SCALE 1"=30'



C/L



C/L



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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.