

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD JAN 15 '08  
OIL CONS. DIV.  
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 3: 17

1a. Type of Work DRILL	5. Lease Number SF-078415-A Unit Reporting Number 210 P25
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator Burlington Resources	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Roelofs 9. Well Number #1N
4. Location of Well Unit K (NESW), 2490' FSL & 1840' FWL,  Latitude 36° 42.6534 N Longitude 107° 39.9274 W	10. Field, Pool, Wildcat Blanco MV/Basin DK  11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 22, T29N, R8W API # 30-045- 34540
14. Distance in Miles from Nearest Town 9 miles/Blanco	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1840'	
16. Acres in Lease 1040.00	17. Acres Assigned to Well DK & MV - 320 - (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1390' from Roelofs A 6	
19. Proposed Depth 7601'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6409' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: Rhonda Rogers (Regulatory Technician)	3-20-07 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 3160-3

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 3

NOTIFY AZTEC OGD 24 HRS.  
PRIOR TO CASING & CEMENT

JAN 16 2008

AV

NMOCD

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

210 PM 11/15/07  
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34540		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code 29226	*Property Name ROELOFS		*Well Number 1N
*ACRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6409'

<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
K	22	29N	8W		2490	SOUTH	1840	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
K									
<sup>12</sup> Dedicated Acres 320 Acres MV/DK W/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

5204.76'

<sup>16</sup> LEASE USA SF-078415-A  LAT: 36°42.6534'N LONG: 107°39.9274'W DATUM: NAD27  LAT: 36°71.090'N LONG: 107°66.607'W DATUM: NAD1983  22  1840' 765' 115' 2490' 5241.72'		<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 11/15/07 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 Survey Date: DECEMBER 20, 2006 Signature and Seal of Professional Surveyor  JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269  JASON C. EDWARDS Certificate Number 15269
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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.

30-045-

34540

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

USA SF-078415-A

7. Lease Name or Unit Agreement Name

Roelofs

8. Well Number

1N

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde/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 &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter K : 2490' feet from the South line and 1840' feet from the West line  
Section 22 Township 29N Rng 8W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6409'

Pit or Below-grade Tank Application

or Closure ☐

&gt; 200

Pit type

New Drill

Depth to Groundwater

&gt;100'

Distance from nearest fresh water well

&gt;1000'

Distance from nearest surface water

&gt; 200

Pit Liner Thickness:

N/A

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

☒

## 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, Unlined:

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, vent/flare pit and pre-set mud pit will be unlined 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 unlined, 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

3/15/2007

Type or print name

Rhonda Rogers

E-mail address:

rogers@br-inc.com

Telephone No.

505-326-9701

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,  
District #3

DATE

JAN 16 2008

Conditions of Approval (if any):

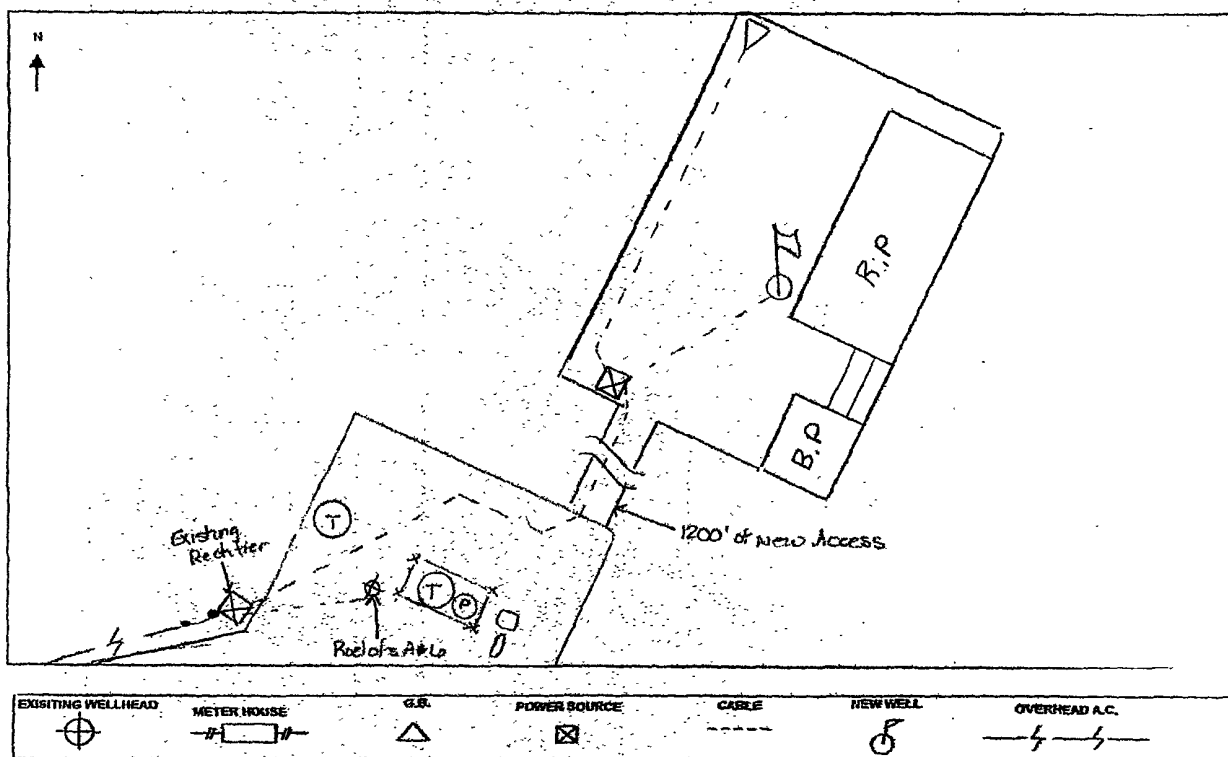


TECHNICAL SERVICE  
A CORROSION COMPANY

## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Roelofs #1N LEGALS K 22-29 8 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GB on N. corner of location, and trench approx 300' of positive cable from GB to rectifier. Trench approx 1400' of a/c from existing rectifier on Roelofs #6 to rectifier. Trench approx 200' of #8 new cable from wellhead to rectifier.



COMMENTS: Enterprise P/L runs on south side of access to

NEAREST POWER SOURCE Overhead A/C (MP on Roelofs #6) DISTANCE: 1400'

PIPELINES IN AREA: Enterprise P/L

TECHNICIAN: Michael J. Fingerson DATE: 1/31/07

6 CR 5412 BLOOMFIELD, N.M. 87413  
OFFICE: 505-834-0271 CELL: 505-793-6953

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ROELOFS 1N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7045		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: 832-486-2275	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: Surface</b> <b>Datum Code: NAD 27</b> <b>Straight Hole</b>					
Latitude: 36.710890		Longitude: -107.665457		X:	Y:
Footage X: 1840 FWL		Footage Y: 2490 FSL		Elevation: 6409 (FT)	Section: 22
Tolerance:		Range: 008W			
Location Type: Year Round		Start Date (Est.):		Completion Date:	
Formation Data: Assume KB = 6421		Units = FT			
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)
SURFACE CSG		216	6205	<input type="checkbox"/>	
OJO ALAMO		2021	4400	<input type="checkbox"/>	
KIRTLAND		2181	4240	<input type="checkbox"/>	
FRUITLAND		2721	3700	<input type="checkbox"/>	
PICTURED CLIFFS		3054	3367	<input type="checkbox"/>	
LEWIS		3211	3210	<input type="checkbox"/>	
Intermediate Casing		3311	3110	<input type="checkbox"/>	
HUERFANITO BENTONITE		3674	2747	<input type="checkbox"/>	
CHACRA		4024	2397	<input type="checkbox"/>	
MASSIVE CLIFF HOUSE		4674	1747	<input type="checkbox"/>	
MENELEE		4818	1603	<input type="checkbox"/>	
MASSIVE POINT LOOKOUT		5264	1157	<input type="checkbox"/>	400
MANCOS		5714	707	<input type="checkbox"/>	
UPPER GALLUP		6487	-66	<input type="checkbox"/>	
GREENHORN		7234	-813	<input type="checkbox"/>	1500
GRANEROS		7296	-875	<input type="checkbox"/>	
TWO WELLS		7333	-912	<input type="checkbox"/>	
PAGUATE		7441	-1020	<input type="checkbox"/>	
UPPER CUBERO		7473	-1052	<input type="checkbox"/>	
LOWER CUBERO		7501	-1080	<input type="checkbox"/>	
ENCINAL		7567	-1146	<input type="checkbox"/>	
Total Depth		7601	-1180	<input type="checkbox"/>	
12-1/4" HOLE. 9-5/8" 32.3 PPF, H-40, STC. CEMENT WITH 171 CU. FT. CIRCULATE CEMENT TO SURFACE.					
8-3/4" HOLE. 7", 20 PPF, J-55 STC CASING. CEMENT WITH 745 CU. FT. CIRCULATE CEMENT TO SURFACE.					
6-1/4" HOLE. 4-1/2", 10.5/11.6 PPF, J-55 STC/LTC CASING. CEMENT WITH 584 CU. FT. CIRCULATE CEMENT A MINIMUM OF 100' INSIDE THE PREVIOUS CASING STRING. NO OPEN HOLE LOGS. CASED HOLE TDT WITH GR TO SURFACE.					

Reference Wells:		
Reference Type	Well Name	Comments

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ROELOFS 1N

DEVELOPMENT

<b>Logging Program:</b>	
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 - DKNM029N008W22SW2 and MVNM029N008W22SW2 Avoid M & N. No twin options. Nearest DK offset used is Roelofs 1 SW22-29N-08W.

Zones - DKNM029N008W22SW2 and MVNM029N008W22SW2

General/Work Description - INCLUDES LEWIS



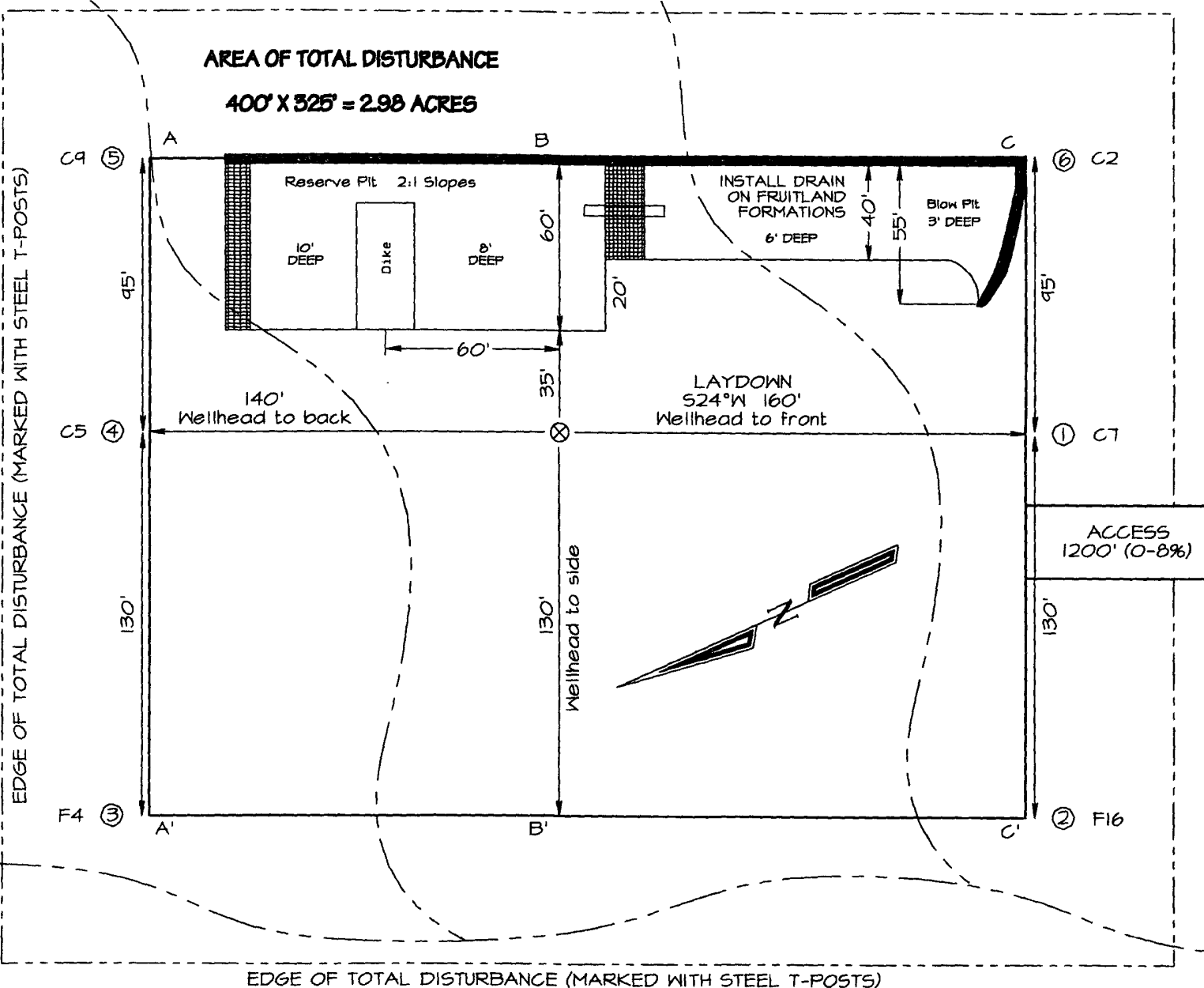
**BURLINGTON RESOURCES OIL & GAS COMPANY ROELOFS #1N**  
**2490' FSL & 1840' FWL, SECTION 22, T29N, R8W, NMPM**  
**SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6409'**



**LATITUDE: 36°42'65.34"N**  
**LONGITUDE: 107°59'92.74"W**  
 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.

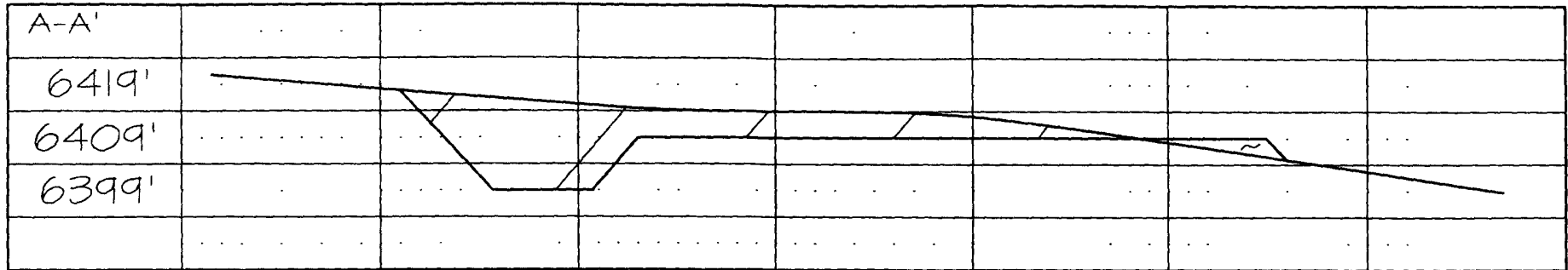


**BURLINGTON RESOURCES OIL & GAS COMPANY ROELOFS #1N  
2490' FSL & 1840' FWL, SECTION 22, T29N, R8W, NMPM  
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6409'**

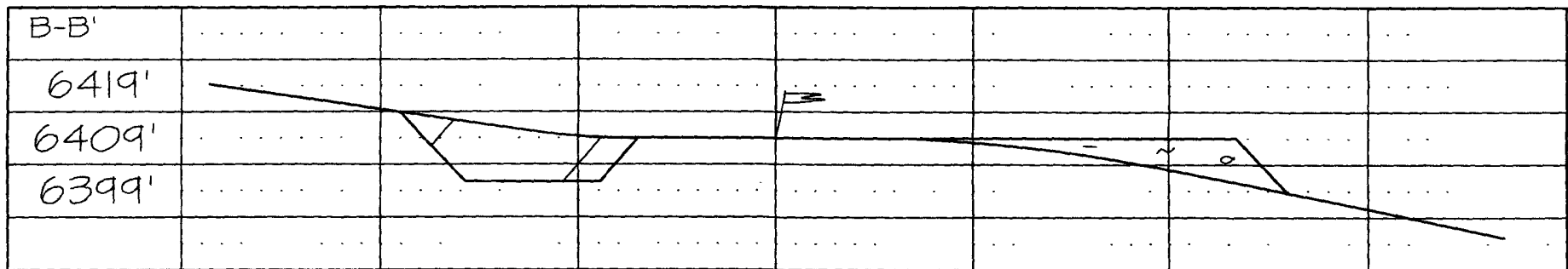
HORIZONTAL SCALE 1"=40'

C/L

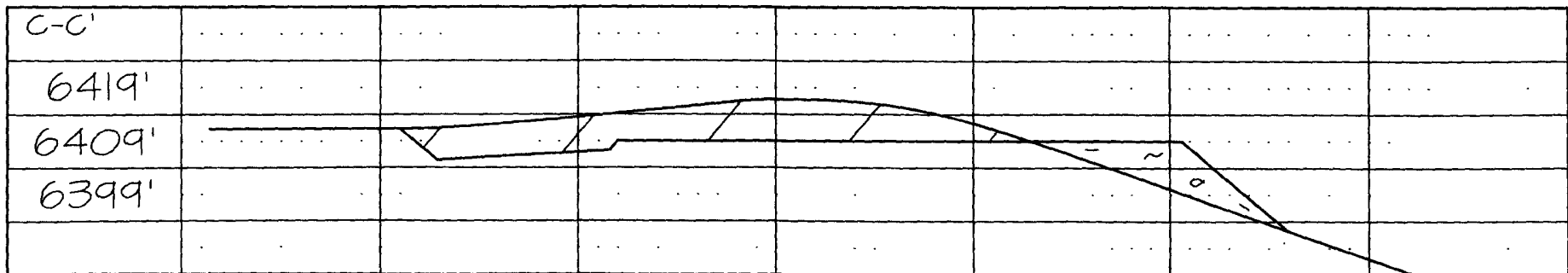
VERTICAL SCALE 1"=30'



C/L



C/L



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