

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 21 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED JAN 17 2008	5. Lease Number USA SF-077652 Unit Reporting Number
1b. Type of Well GAS	Bureau of Land Management Farmington Field Office	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 East 9. Well Number #17S	
4. Location of Well Unit I (NESE), 1745' FSL & 660' FEL Latitude 36.867647 N. Longitude 108.061117 W.	10. Field, Pool, Wildcat Basin Fruitland Coal/Fruitland Sand K lava Vista 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 26, T31N, R12W API # 30-045-34569	
14. Distance in Miles from Nearest Town 5.9 Miles/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	17. Acres Assigned to Well FC -320.00 S 1/2 FS 160.00 SE 1/4	
16. Acres in Lease 2514.580		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 217' from East 22A		
19. Proposed Depth 2585'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5970' GL	22. Approx. Date Work will Start DATE'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>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>1/16/08</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 2/20/08

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

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

FEB 21 2008 NMOCD to
AV

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

RECEIVED

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

JAN 17 2008

Form C-102
Revised August 15, 2000

DISTRICT II
811 South First, Artesia, N.M. 88210

Bureau of Land Management
Submit to Appropriate District Office
Farmingington Field Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1009 Rio Brazos Rd., Amon, N.M. 87418

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 34569	*Pool Code 716291766000	*Pool Name (if different) Basin FRUITLAND COAL #1 Flora Vista Fruitland sand
*Property Code 18517	*Property Name EAST	*Well Number 17S
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	*Elevation 5970'

10 Surface Location

UL or lot no. I	Section 26	Township 31-N	Range 12-W	Lot Idn	Feet from the 1745'	North/South line SOUTH	Feet from the 660'	East/West line EAST	County SAN JUAN
--------------------	---------------	------------------	---------------	---------	------------------------	---------------------------	-----------------------	------------------------	--------------------

11 Bottom Hole Location If Different From Surface

UL or lot no. I	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres FC 320.00 ACRE S 1/2 FS 160.00 ACRE SE 1/4			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

16

<p>USA SF-077852</p> <p>26</p> <p>LAT: 36°52.0587' N. LONG: 108°03.6235' W. NAD 1927</p> <p>LAT: 36.867647 N. LONG: 108.061117 W. NAD 1983</p> <p>N 88° 53' E 2664.42'</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.</p> <p><u>Sasha Spangler</u> Signature</p> <p>Sasha Spangler Printed Name</p> <p>Regulatory Technician Title</p> <p>11-26-07 Date</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 <u>11-26-07</u></p> <p><u>GENE RUSSELL</u> Signature of Registered Professional Surveyor</p> <p>NEW MEXICO 15703 LICENSED PROFESSIONAL SURVEYOR</p> <p>Gene W. Russell Certificate Number 15703</p>

Submit 3 Copies To Appropriate District
Office
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

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

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)		WELL API NO. 30-045- <u>34569</u>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		6. State Oil & Gas Lease No. Federal Lease # USA SF - 077652
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402		7. Lease Name or Unit Agreement Name East
4. Well Location Unit Letter <u>I</u> : <u>1745'</u> feet from the <u>South</u> line and <u>660'</u> feet from the <u>East</u> line Section <u>26</u> Township <u>31N</u> Rng <u>12W</u> NMPM County <u>San Juan</u>		8. Well Number #17S
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5970'		9. OGRID Number 14538
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Basin Fruitland Coal/Fruitland Sand
Pit type <u>New Drill</u> Depth to Groundwater <u>>100</u> Distance from nearest fresh water well <u><100</u> Distance from nearest surface water <u><1000</u> Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>bbls</u> ; 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, 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 1/16/2008

Type or print name Jamie Goodwin E-mail address: goodwil@conocophillips.com Telephone No. 505-326-9784

For State Use Only

Deputy Oil & Gas Inspector,
District #3

FEB 21 2008

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE FEB 21 2008

Conditions of Approval (if any):

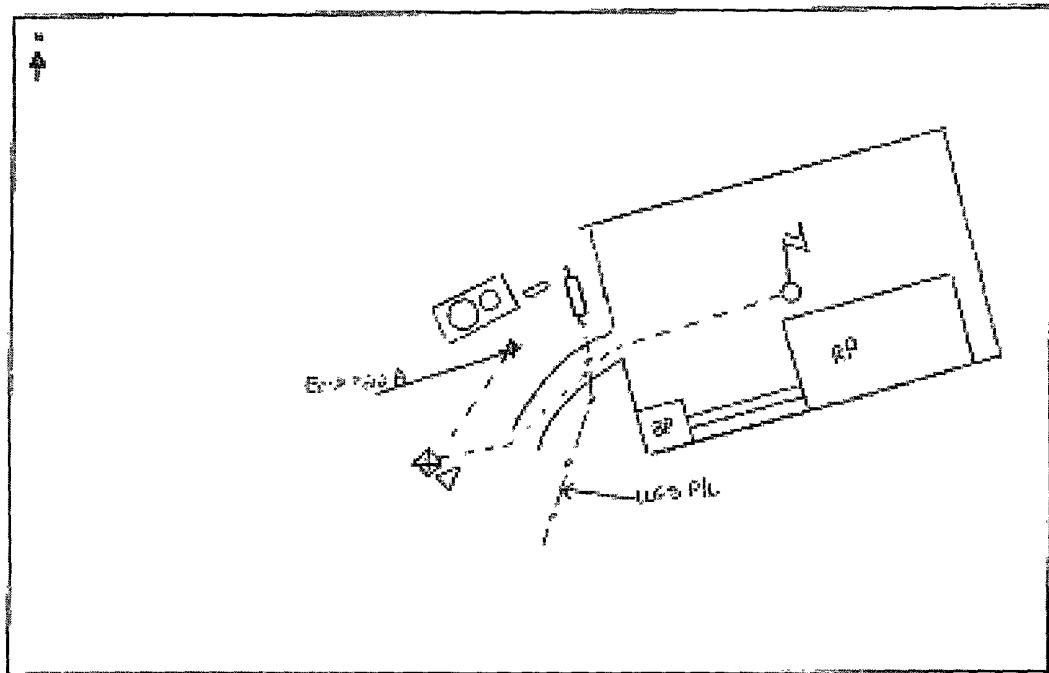


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME East 1175 LEGALS I-24-31-13 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill new GB on East 1175 and upgrade existing French
lines 300' of 2" and 1 1/2" from proposed well to existing



EXISTING WELLHEAD	WELLS HEAD	OR	POWER SOURCE	CABLE	CONNECTION	WIRING

COMMENTS:

NEAREST POWER SOURCE French Road East 1175

DISTANCE: 300'

PIPELINES IN AREA: UGS PL

TECHNICIAN: Yvonne Johnson

DATE: 12/18/02

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

EAST 17S

DEVELOPMENT /

Lease:		AFE #: WAN.CDR.7317		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
RCO087	FRUITLAND SAND(RCO087)
2035	FRUITLAND COAL

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.867644	Longitude: -108.060491	X:	Y:	Section: 26	Range: 012W
Footage X: 660 FWL	Footage Y: 1745 FSL	Elevation: 5970	(FT)	Township: 031N	
Tolerance: FEL					

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 5970	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5850	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	746	5224	<input type="checkbox"/>			
KIRTLAND	806	5164	<input type="checkbox"/>			
FRUITLAND	1960	4010	<input type="checkbox"/>	310		Gas
PICTURED CLIFFS	2385	3585	<input type="checkbox"/>			Gas
Total Depth	2585	3385	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 397 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	East 20R	NE-31N-12W
Production	East 16	SE26-31N-12W

Logging Program:

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
----------	---------------------------------------	-----------------------------------	------------------------------	--------------------------------	------------------------------	------------------------------	---

PEX to identify coal vs sand from TD to minimum footage.
GR/CBL
no mudlog

Additional Information:

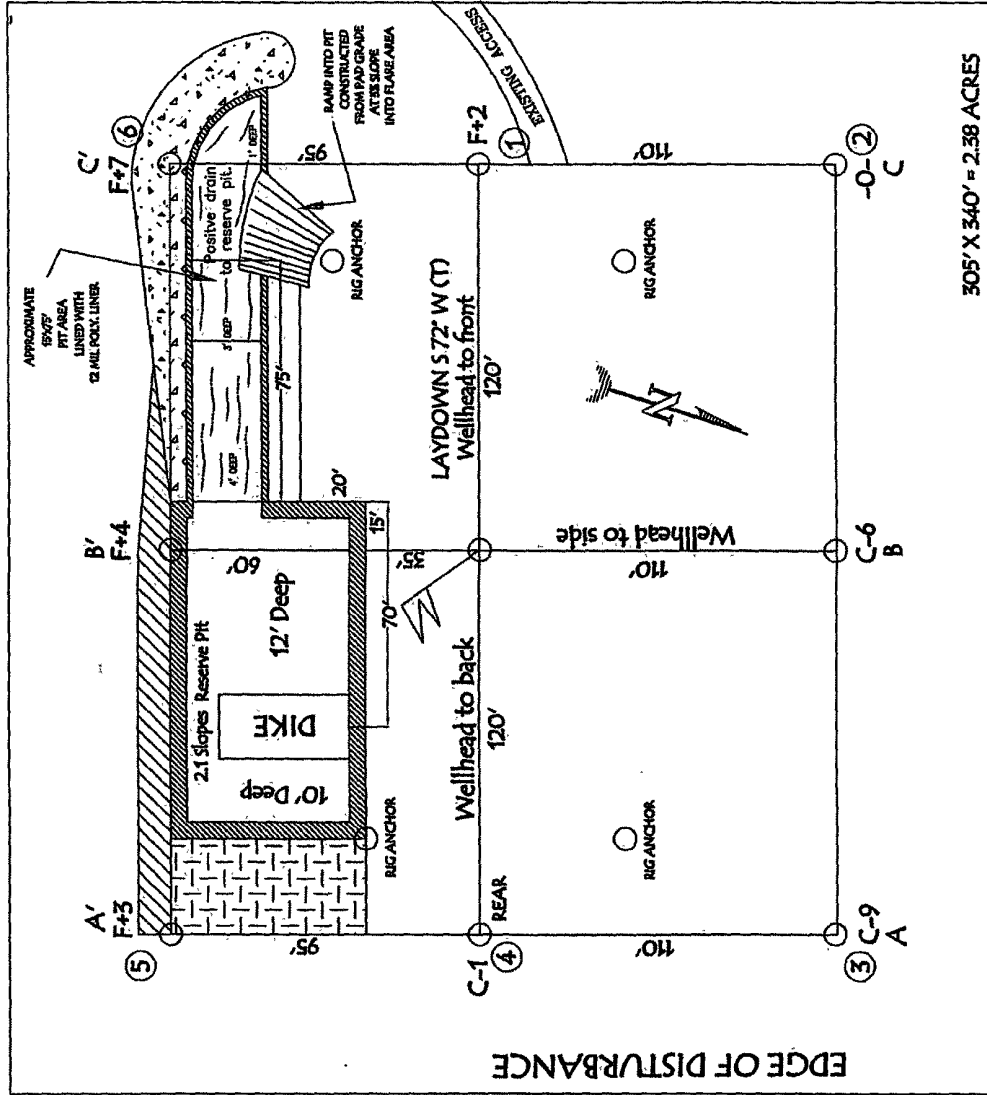
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

BURLINGTON RESOURCES OIL & GAS COMPANY LP

EAST 17S, 1745' FSL & 660' FEL

SECTION 26, T-31-N, R-12-W, NMMP, SAN JUAN COUNTY, NM

GROUND ELEVATION: 5970', DATE: OCTOBER 30, 2007

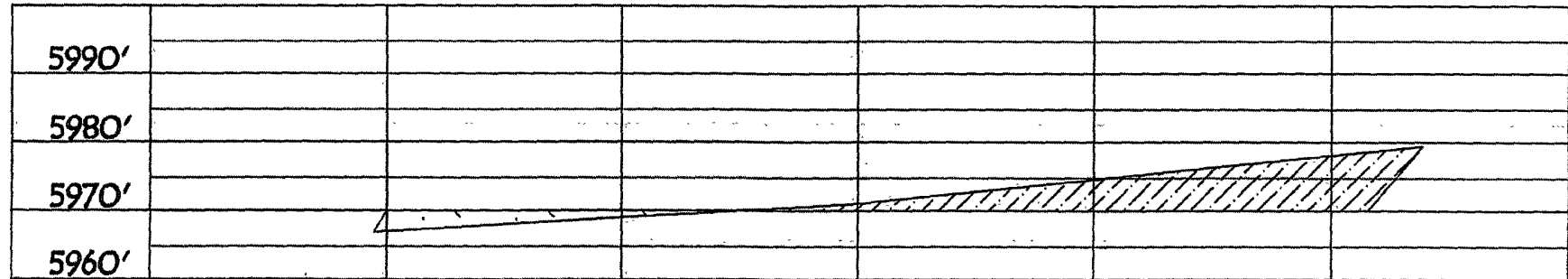


NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
EAST 17S, 1745' FSL & 660' FEL
SECTION 26, T-31- N, R-12-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 5970', DATE: OCTOBER 30, 2007

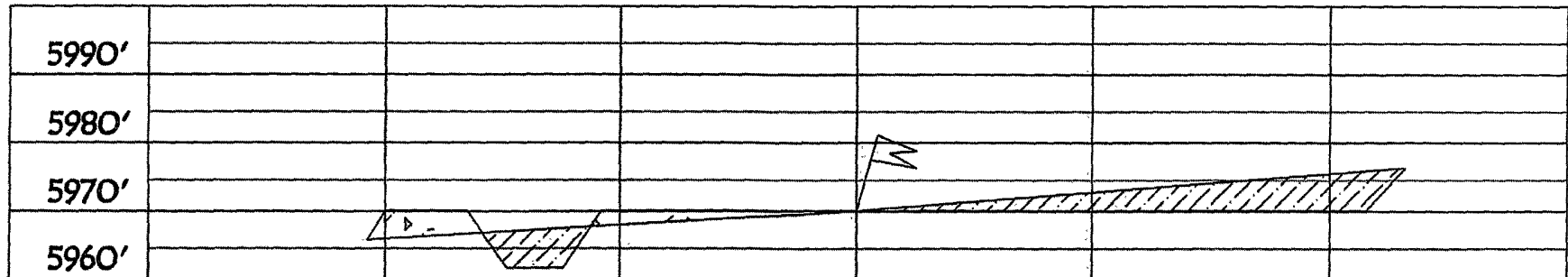
ELEV. A'-A

C/L



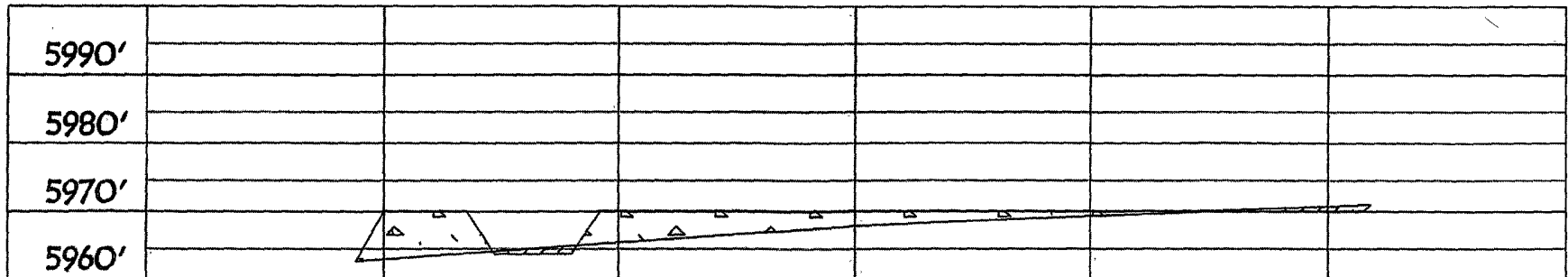
ELEV. B'-B

C/L



ELEV. C'-C

C/L



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.