

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 27 '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-03863 Unit Reporting Number
1b. Type of Well GAS	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 Valdez 9. Well Number #8C
4. Location of Well Unit H(ENE), 1350' FNL & 1120' FEL Surf: Latitude 36° 38.135957 N Longitude 107° 15.017558 W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 28, T28N, R4W API # 30-039- 30362
14. Distance in Miles from Nearest Town 53 mile/Bloomfield	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1120'	
16. Acres in Lease 1280	17. Acres Assigned to Well MV 320 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease	
19. Proposed Depth 6844'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7355' GL	22. Approx. Date Work will Start DATE 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>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	9-18-07 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

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

FEB 27 2008

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

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

RECEIVED

SEP 18 2007

☐ AMMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-303102	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 7620	⁵ Property Name VALDEZ	⁶ Well Number 8C
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES O&G LP	⁹ Elevation 7355'

¹⁰ SURFACE LOCATION

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
14	28	28N	04W		1350	NORTH	1120	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
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12	Dedicated Acres 320	13	Joint or Infill	14	Consolidation Code	15	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

16

CALC.

N 89°10'51" E 5,210.1' (CALC.)

EAST 5,262.8' (R)

CALC.

NAD 83
LAT: 36.6356083°N
LONG: 107.2508916°W

NAD 27
LAT: 36° 38.135957'N
LONG: 107° 15.017558'W

1,350

1,120

DEDICATED ACREAGE
USA NM-03863 E/2
SEC. 28, T28N, R04W

5,443.1' (CALC.)
5,280.0' (R)

N 00°05'56" E
NORTH

CALC.

S 88°59'47" W 5,161.7' (CALC.)
EAST 5,267.5' (R)

CALC.

17 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.

Kansli Kalam

Signature

KANDIS ROLAND

Printed Name _____

REGULATORY TECHNICIAN

Title and E-mail Address

11/15/2006

Date _____

18 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: 10/4/06

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

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- 303602
5. Indicate Type of Lease	STATE ☐ FEE ☐
6. State Oil & Gas Lease No.	Federal Lease #USA NM-03863
7. Lease Name or Unit Agreement Name	Valdez
8. Well Number	#8C
9. OGRID Number	14538
10. Pool name or Wildcat	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 & GAS COMPANY LP

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

4. Well Location
Unit Letter H : 1350' feet from the North line and 1120' feet from the East line
Section 28 Township 28N Rng 4W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
7355'

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: NA 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 ☒

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 Rhonda Rogers TITLE Regulatory Technician DATE 9-17-07

Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE FEB 27 2008
Conditions of Approval (if any): District #3

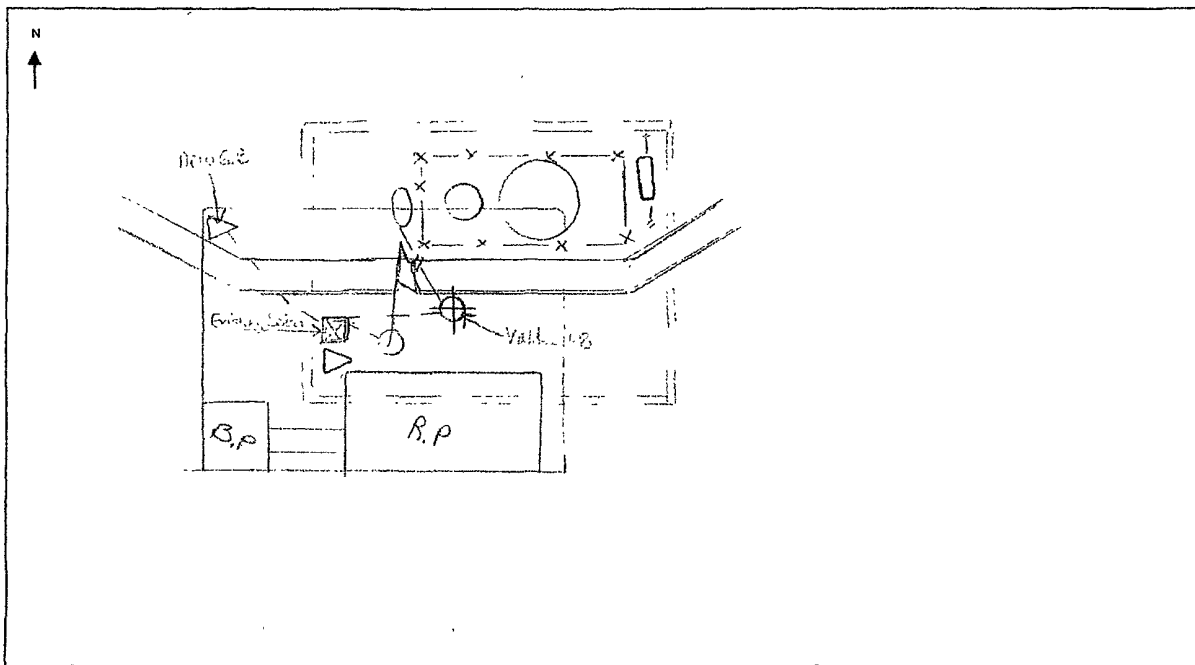


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Valdez #8C LEGALS G-28-28-4 COUNTY Bio Arriba

PURPOSED C.P. SYSYTEM: Drill G.B. in north corner location and tie it into existing CP System
Trench approx 150' of #8 neg. cable from existing soln to well head



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

COMMENTS: _____

NEAREST POWER SOURCE N/A DISTANCE: _____

PIPELINES IN AREA: N/A

TECHNICIAN: (Signature) DATE: 11/21/2002

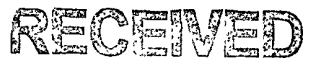
PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VALDEZ 8C

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7835		AFE \$: 550,461.18	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				



SEP 19 2007

Bureau of Land Management
Farmington Field Office

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.365599	Longitude: -107.250293	X:	Y:	Section: 28	Range: 004W
Footage X: 1120 FEL	Footage Y: 1350 FNL	Elevation: 7355	(FT)	Township: 028N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 7367		Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	7151	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement w/ 171 cu ft. Circulate cement to surface.
OJO ALAMO	3737	3630	☐			
KIRTLAND	3829	3538	☐			
FRUITLAND	4042	3325	☐			
PICTURED CLIFFS	4282	3085	☐			
LEWIS	4414	2953	☐			
Intermediate Casing	4514	2853	☐			8-3/4" hole. 7", 20/23 ppf, J-55, STC casing. Cement w/ 1016 cu ft. Circulate cement to surface.
HUERFANITO BENTONITE	4910	2457	☐			
CHACRA	5272	2095	☐			
UPPER CLIFF HOUSE	5879	1488	☐			
MASSIVE CLIFF HOUSE	6074	1293	☐			
MENEFEE	6147	1220	☐			
MASSIVE POINT LOOKOUT	6444	923	☐			
TOTAL DEPTH MV	6844	523	☐	900		6-1/4" hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 322 cu ft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Valdez 8 NE28-28N-04W	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VALDEZ 8C

DEVELOPMENT

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

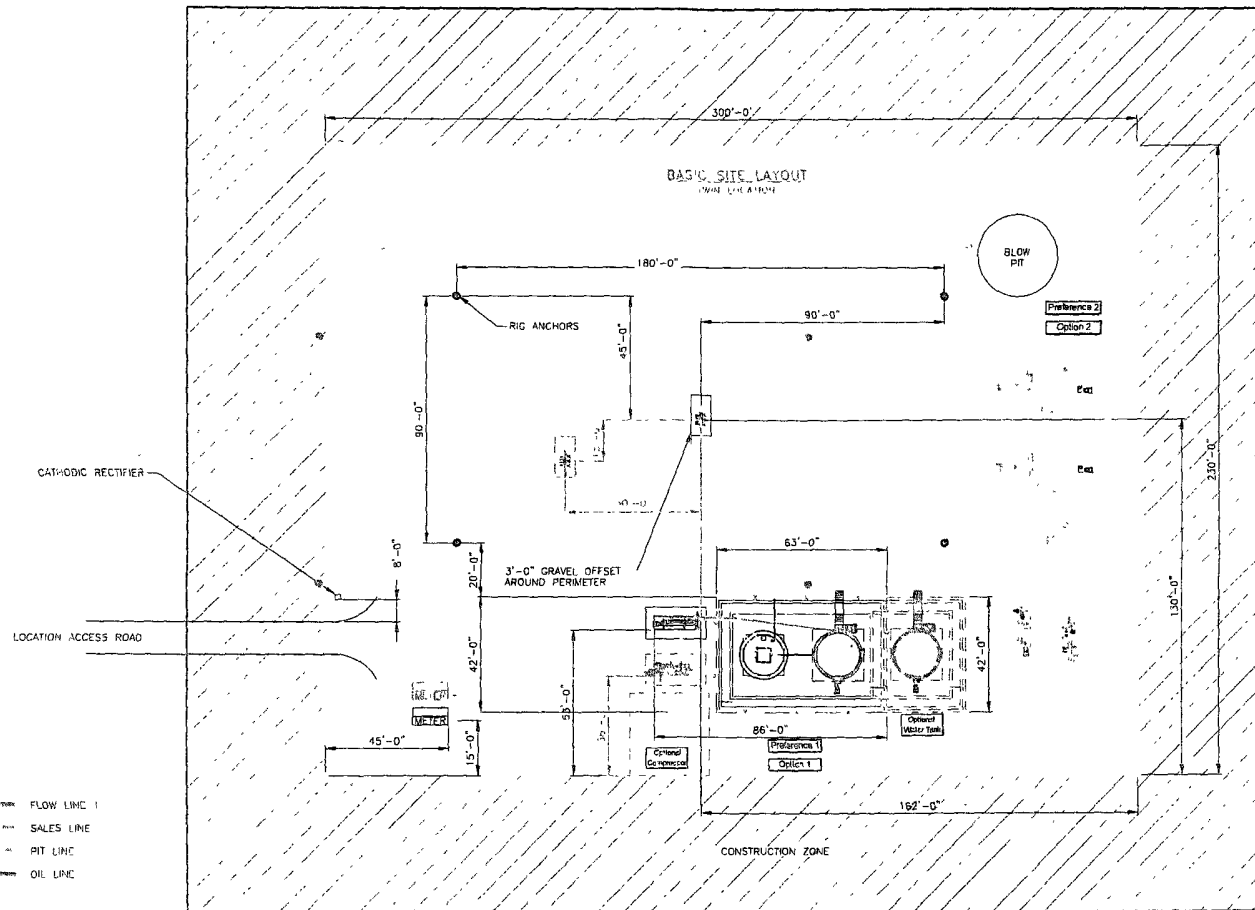
GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM028N004W28NE2

Zones - MVNM028N004W28NE2



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN. OF 2'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
PROCESS	DESCRIPTION	REVIEWED	DATE	NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE	NO.	DESCRIPTION
TECHNICAL														
PIPING														
ELECTRICAL														
I & C														
CONSTRUCTION														
PROJECT														
DESCRIPTION	DATE	BY	CHK'D	ENG	DISC	REV						CLIENT TYP	CLIENT APPR	APPR DATE
												SCALE HERE	SCALE HERE	CREATION DATE 6/20/07
												DWG TYP	DWG TYP	SHEET NO.
												HP3PHASE-REV1	HP3PHASE-REV1	1 OF 5

11/11/07 3:13 PM C:\P\Projects\High Pressure 3 Phase Facility Diagram\Site Layout.dwg 06/23/2007 08:09:00

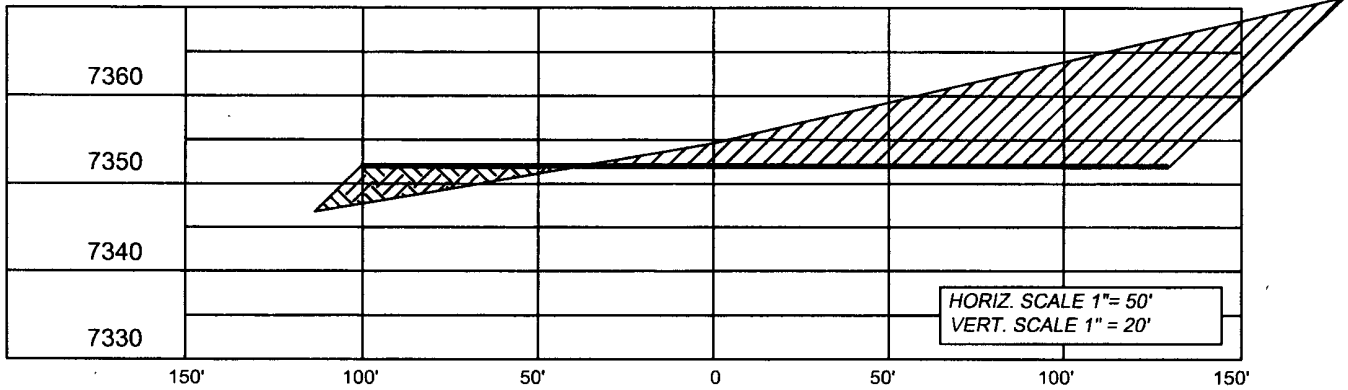
1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEY IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP

VALDEZ #8C
1,350 FNL, 1,120 FEL
SEC.28, T28N, R04W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
ELEV.: 7,352' NAVD88

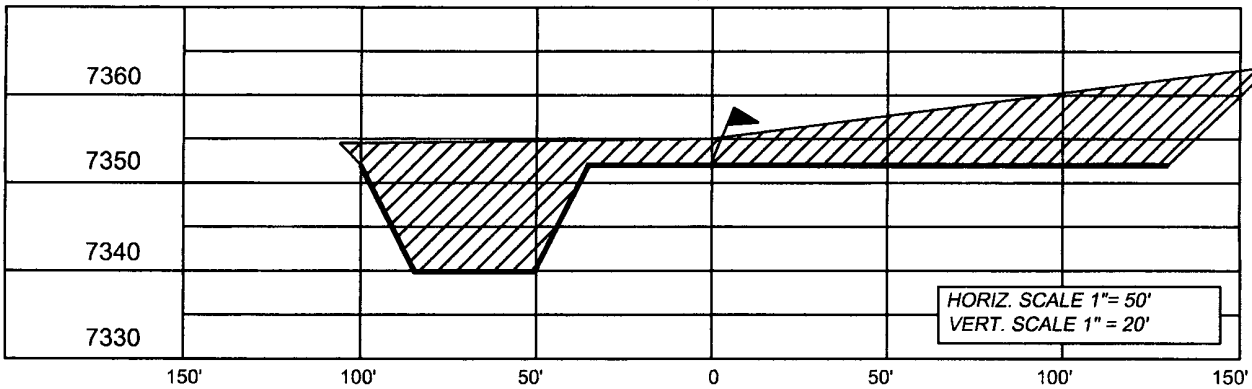
A - A'

C/L



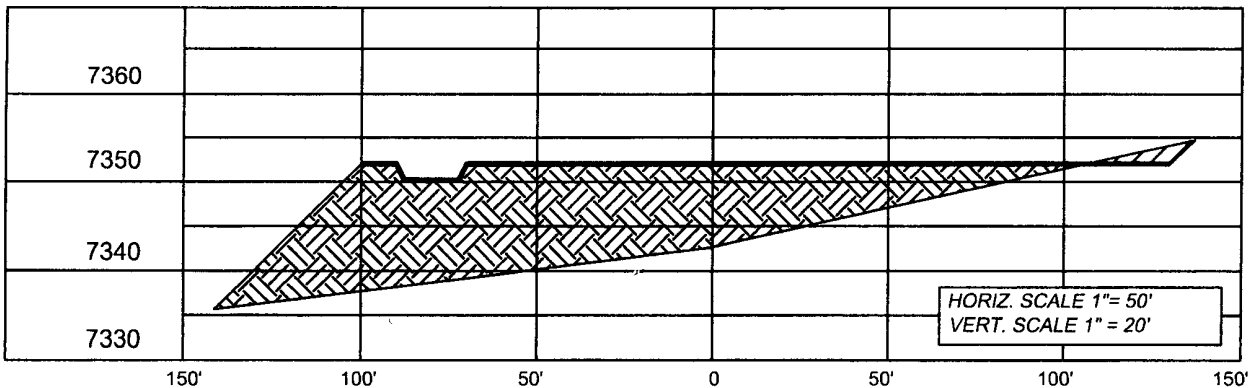
B - B'

C/L



C - C'

C/L



NOTE: CCI 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 PRIOR TO CONSTRUCTION.

REVISIONS

NO	DESCRIPTION	REVISED BY	DATE

CCI

1300 W. BROADWAY
BLOOMFIELD, NM, 87413
PHONE: (505)632-7777

CHENAULT CONSULTING INC.