

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD APR 17 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 SEP -4 PM 2:36

1a. Type of Work DRILL	5. Lease Number USA SF-080674 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 San Juan 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #60M	
4. Location of Well Surf: Unit B (NWNE), 1260' FNL & 2290' FEL Latitude 36° 33.7485786 N Longitude 107° 15.2795659 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T27N, R4W API # 30-039- 30344	
14. Distance in Miles from Nearest Town 44 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1260'	17. Acres Assigned to Well MV/DK 320 (E/2)	
16. Acres in Lease	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1500'	22. Approx. Date Work will Start	
19. Proposed Depth 8381'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 7074' GL	24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	
PERMIT NO.		APPROVAL DATE
APPROVED BY <u>Wayne Lounsbury</u>		DATE <u>4/16/08</u>
TITLE <u>Acting AFM</u>		

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

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

NMOCD B

APR 18 2008

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
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
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30344	² Pool Code 72319/71599	³ Pool Name Basin DAKOTA/MESAVERDE
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 Unit	⁶ Well Number 60M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 7,074'

¹⁰ SURFACE LOCATION

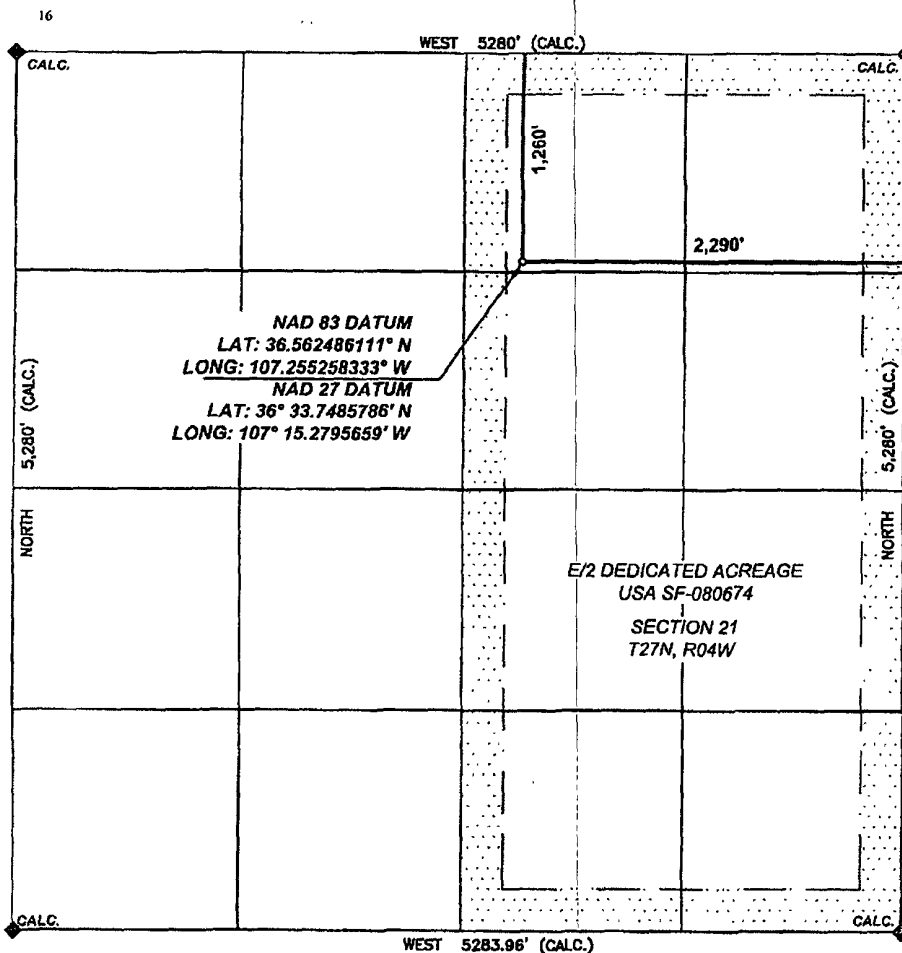
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	27-N	04-W		1,260'	NORTH	2,290'	EAST	RIO ARriba

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									

¹² Dedicated Acres 320 E/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

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.

Tracey N. Monroe
Signature

Tracey N. Monroe

Printed Name
Regulatory Technician

Title and E-mail Address
December 12 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: 11/07/06

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

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

WELL API NO.

30-039- 30344

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-080674

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

#60M

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

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 B : 1260' feet from theNorth line and 2290' feet from the East lineSection 21

Township

27N

Rng

4W

NMPM

County

Rio Arriba

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

7074'

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

2200'
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

☒

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

TITLE

Regulatory Technician

DATE

8-29-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

Deputy Oil & Gas Inspector,
District #3

APPROVED BY

TITLE

DATE

APR 18 2008

Conditions of Approval (if any):

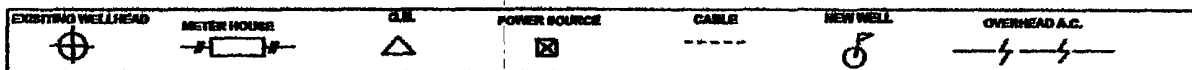
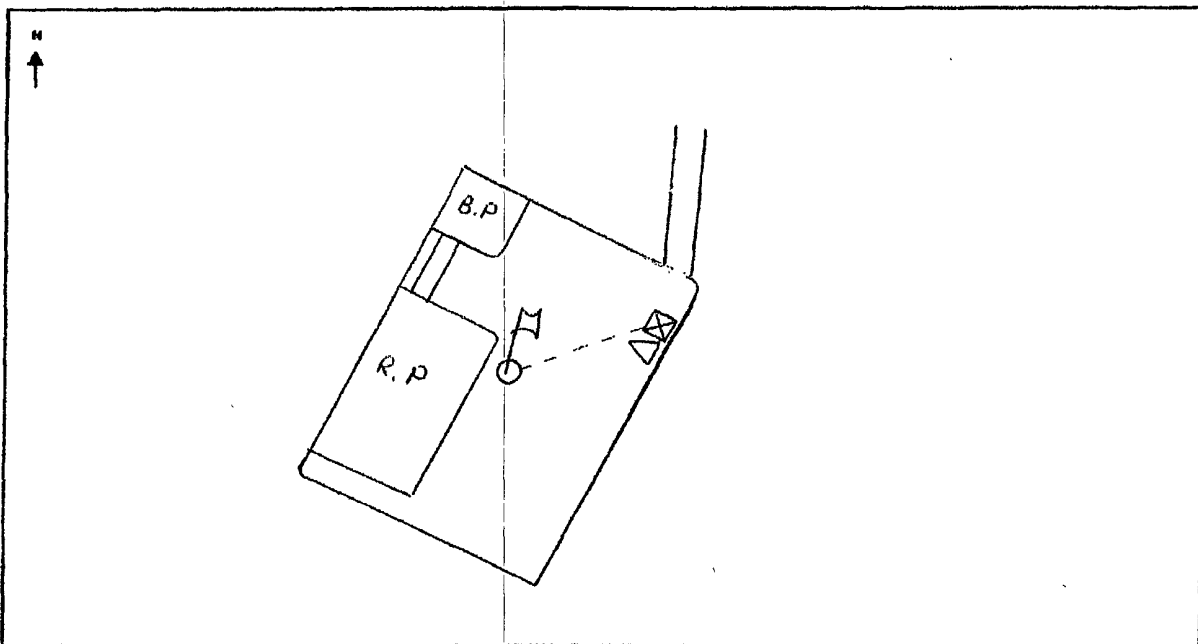


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ, 27-4 #60M LEGALS B-21-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.B. and set solar on northeast corner of location. Trench
aprox. 250' of #8 neg. cable from solar to wellhead.



COMMENTS: set solars in forest areas

NEAREST POWER SOURCE _____ DISTANCE: _____
PIPELINES IN AREA: _____

TECHNICIAN: Michael J. Hargis DATE: 9/25/06

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-834-0271 CELL: 505-783-6953

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 60M

DEVELOPMENT

Lease:		AFE #: WAN.2A2.7202/7312MV		AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: Bearcat Rig 4		State: NM	County: RIO ARRIBA
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
R20076	DAKOTA(R20076)
RON	BLANCO MESAVERDE (PRORATED GAS)

RECEIVED

SEP 11 2007

Bureau of Land Management
Farrington Field Office

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.562476	Longitude: -107.254659	X:	Y:	Section: 21	Range: 004W
Footage X: 2290 FEL	Footage Y: 1260 FNL	Elevation: 7077 (FT)	Township: 027N		
Tolerance:					

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

Formation Data: Assume KB = 7089 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	6873	<input type="checkbox"/>			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJO ALAMO	3384	3705	<input type="checkbox"/>			
KIRTLAND	3604	3485	<input type="checkbox"/>			
FRUITLAND	3754	3335	<input type="checkbox"/>			
PICTURED CLIFFS	3914	3175	<input type="checkbox"/>			
LEWIS	4104	2985	<input type="checkbox"/>			
Intermediate Casing	4204	2885	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC casing. Cement with 946 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4477	2612	<input type="checkbox"/>			
CHACRA	4919	2170	<input type="checkbox"/>			
UPPER CLIFF HOUSE	5534	1555	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5714	1375	<input type="checkbox"/>			
MENEFEE	5837	1252	<input type="checkbox"/>			1606'
MASSIVE POINT LOOKOUT	6111	978	<input type="checkbox"/>	800		
MANCOS	6639	450	<input type="checkbox"/>			
UPPER GALLUP	7272	-183	<input type="checkbox"/>			
GREENHORN	8053	-964	<input type="checkbox"/>	1500		
GRANEROS	8117	-1028	<input type="checkbox"/>			
TWO WELLS	8150	-1061	<input type="checkbox"/>			
UPPER CUBERO	8268	-1179	<input type="checkbox"/>			
LOWER CUBERO	8310	-1221	<input type="checkbox"/>			Flat to 27-4 #60
OAK CANYON	8361	-1272	<input type="checkbox"/>			
ENCINAL	8381	-1292	<input type="checkbox"/>			
TD	8381	-1292	<input type="checkbox"/>			TD T/Encinal 20' below T/Oak Canyon. 6-1/4" hole. 4-1/2", 10.5/11.6#, J-55, STC casing. Cement with 569 cuft. Circulate cement a minimum of 100' inside the previous the previous casing string.

Reference Wells:

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 60M

DEVELOPMENT

Reference Type	Well Name	Comments
Intermediate	SJ 27-4 Unit 60	NE 21-27n-04w
Intermediate	SJ 27-4 Unit 56	SW 21-27n-04w

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

Comments: Location/Tops/Logging - DK 27N04W21NE2 and MV 27N04W21NE2 - estimated bottom perf 8356

Zones - DK 27N04W21NE2 and MV 27N04W21NE2

SAN JUAN 27-4 UNIT 60M

1,260' FNL, 2,290' FEL

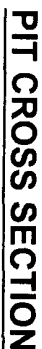
SECTION 21, T27N, R04W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEV.: 7,074.1' NAVD88

DATE: NOVEMBER 7, 2006

NEW ACCESS ROAD 1,340'



330' x 400' = 3.03 ACRES

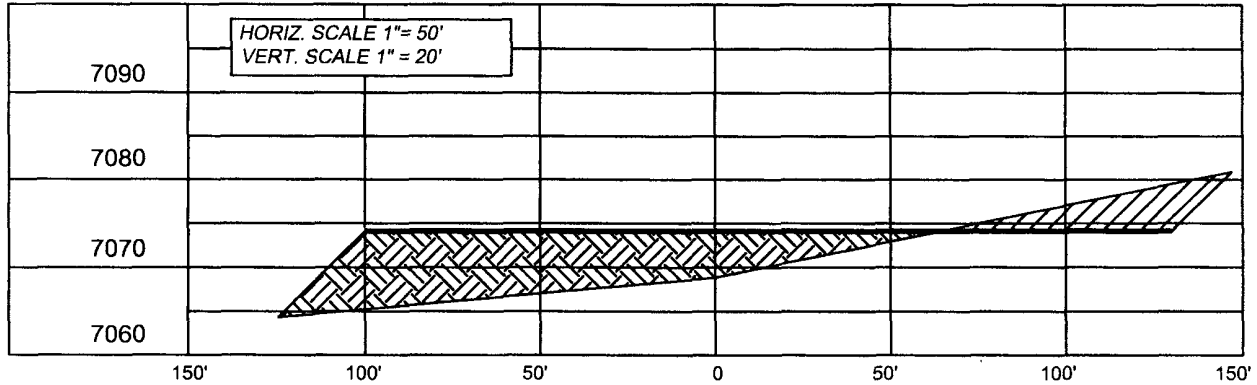
- NOTES:
1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
 2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 60M
 1,260' FNL, 2,290' FEL
 SECTION 21, T27N, R04W, N.M.P.M.,
 RIO ARriba COUNTY, NEW MEXICO
 ELEV.: 7,074.1' NAVD88

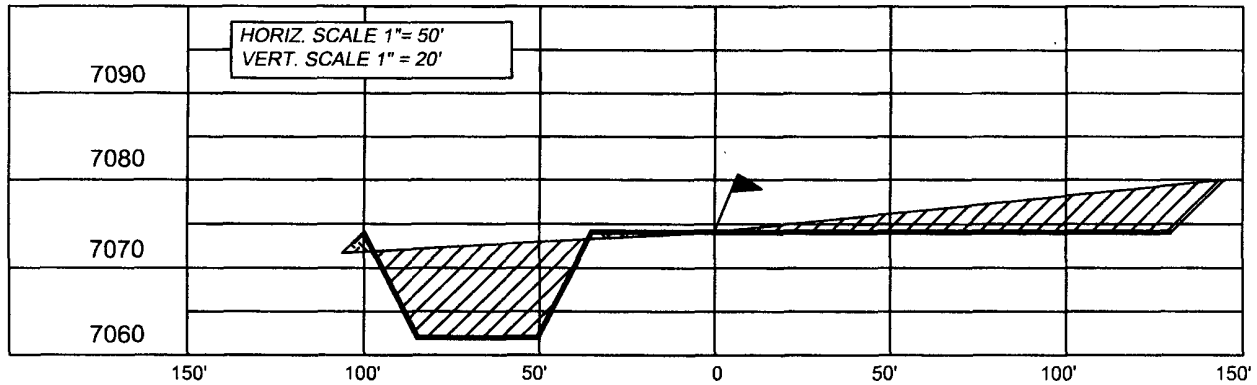
A - A'

C/L



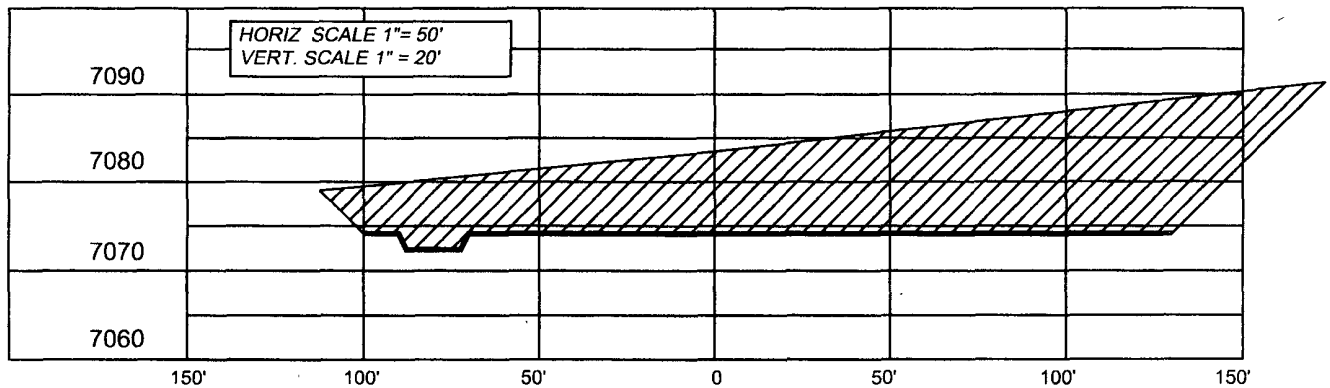
B - B'

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.