

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAR 12 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	207 SEP -4 PM 2:35 RECEIVED BLM 210 FARMINGTON NM	5. Lease Number USA SF-080675 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 #132G
4. Location of Well Surf:Unit I(NESE), 1812' FSL & 950' FEL Latitude 36° 32.526919 N Longitude 107° 13.940750 W		10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 27, T27N, R4W API # 30-039-30345
14. Distance in Miles from Nearest Town 57 mile/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 950'		
16. Acres in Lease	17. Acres Assigned to Well 320 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 478' from San Juan 27-4 Unit #132A		
19. Proposed Depth 8509' Rotary	20. Rotary or Cable Tools	
21. Elevations (DF, FT, GR, Etc.) 7213' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	<u>8-29-07</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 3/11/08

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 3

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD 8

MAR 19 2008

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.8
and appeal pursuant to 43 CFR 3165.4

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & 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- 30345		² Pool Code 71599	³ Pool Name Basin DAKOTA	
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT			⁶ Well Number 132G
⁷ OGRID No. 14538 E/2	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY			⁹ Elevation 7213

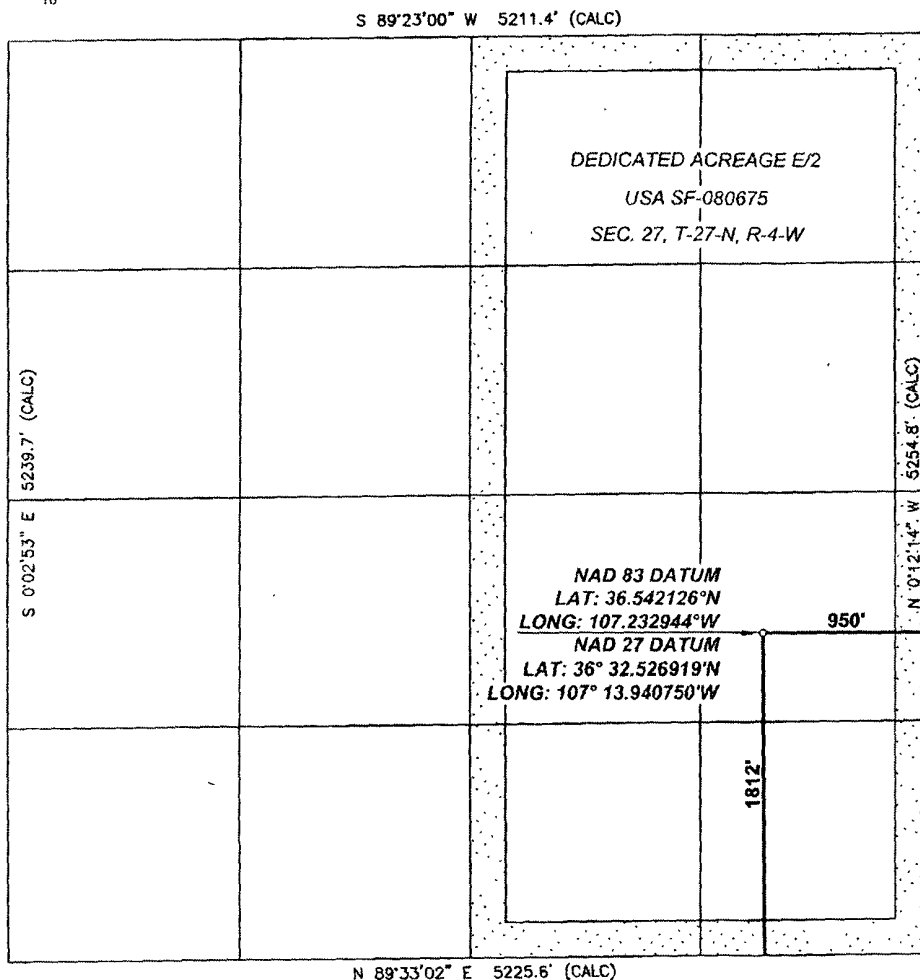
¹⁰ SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	27	27-N	4-W		1812	SOUTH	950	EAST	RIO ARriba

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
I									

¹² Dedicated Acres 320 E/2	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



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.	
<i>Rhonda Rogers</i> Signature	
Rhonda Rogers Printed Name	
Regulatory Technician Title and E-mail Address	
8-30-07 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: 3/26/07 Signature and Seal of Professional Surveyor:	
Certificate Number: NM 11393	

District I

Energy, Minerals and Natural Resources

May 27, 2004

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-

30345

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-080675

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

#132G

9. OGRID Number

14538

10. Pool name or Wildcat

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 & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter I : 1812' feet from the South line and 950' feet from the East line
 Section 27 Township 27N Rng 4W NMPM County Rio Arriba

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

7213'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

<50

Distance from nearest fresh water well

<200

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 ☒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

8-30-07

Type or print name

Rhonda Rogers

E-mail address:

rogerr@conocophillips.com

Telephone No. 505-599-4018

For State Use Only

Deputy Oil & Gas Inspector,

District #3

APPROVED BY

TITLE

DATE

MAR 19 2008

Conditions of Approval (if any):

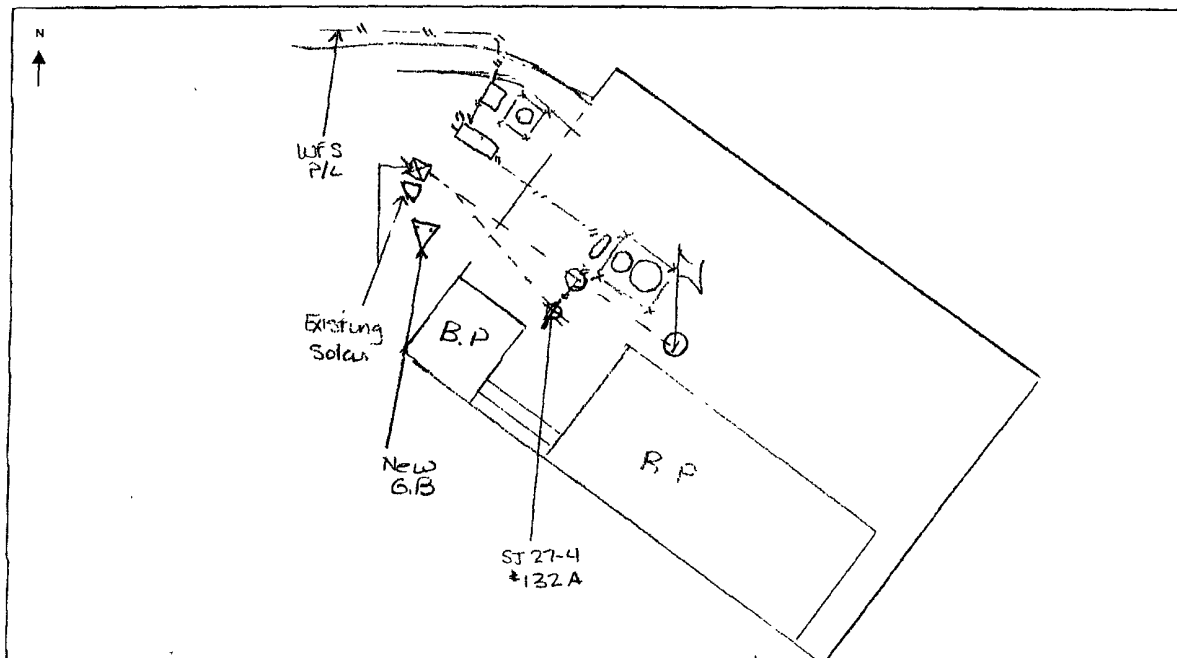


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 27-4 #132G LEGALS 1-27-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB just south of existing solar and tie into existing CP system. Trench approx 300' of #8 galv cable from proposed new well to existing upgraded solar.



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

COMMENTS: Upgrade solar to batt 2-well

NEAREST POWER SOURCE N/A DISTANCE: _____
PIPELINES IN AREA: WFS P/L

TECHNICIAN: Yick Cheng DATE: 3/19/07

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 27-4 UNIT 132G

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7070		AFE \$: 664,207.32	
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)				
Location: Surface					
Datum Code NAD 27		Straight Hole			
Latitude: 36.542116	Longitude: -107.232346	X:	Y:	Section: 27	Range: 004W
Footage X: 950 FEL	Footage Y: 1812 FSL	Elevation: 7213	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7227 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	7027	<input type="checkbox"/>		
OJAM	3492	3735	<input type="checkbox"/>		
KRLD	3607	3620	<input type="checkbox"/>		
FRLD	3863	3364	<input type="checkbox"/>		
PCCF	4039	3188	<input type="checkbox"/>		
LEWS	4197	3030	<input type="checkbox"/>		
Intermediate Casing	4297	2930	<input type="checkbox"/>		
HURF	4567	2660	<input type="checkbox"/>		
CHRA	5032	2195	<input type="checkbox"/>		
UCLFH	5650	1577	<input type="checkbox"/>		
CLFH	5820	1407	<input type="checkbox"/>		
MENF	5897	1330	<input type="checkbox"/>		
PTLK	6223	1004	<input type="checkbox"/>	800	
MNCS	6742	485	<input type="checkbox"/>		
GLLP	7372	-145	<input type="checkbox"/>		
GRHN	8183	-956	<input type="checkbox"/>	1400	
GRRS	8243	-1016	<input type="checkbox"/>		
TWLS	8272	-1045	<input type="checkbox"/>		
PAGU	8371	-1144	<input type="checkbox"/>		
CBBO	8402	-1175	<input type="checkbox"/>		
CBRL	8441	-1214	<input type="checkbox"/>		
OKCN	8464	-1237	<input type="checkbox"/>		
ENCINAL	8509	-1282	<input type="checkbox"/>		
TD	8509	-1282	<input type="checkbox"/>		

12-1/4" hole. 9-5/8", 32.3#, H-40 ST&C casing. Cement with 159 cu. ft. Circulate cement to surface.

Possible water flows.

Possible gas.

8-3/4" hole. 7", 20/23 ppf, J-55, STC/LTC casing. Cement with 970 cu. ft. Circulate cement to surface.

Gas; possibly wet

Gas.

Gas.

Gas. Possibly wet.

Gas possible, highly fractured

Gas

Gas

Have 45' Oak Canyon Shale.

TD T/ENCN. 6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 574 cu. ft. Circulate cement 100' inside previous casing string. Cased hole TDT with GR. No open hole logs.

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 132G

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	27-4 #133	NESW 27-27N-4W
Production	27-4 #34M	NE 34-27N-4W
Production	27-4 #35PM	SW 26-27N-4W

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
GR_CBL							

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - DK 27N04W27SE1

Zones - DK 27N04W27SE1

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 132G

1812' FSL, 950' FEL

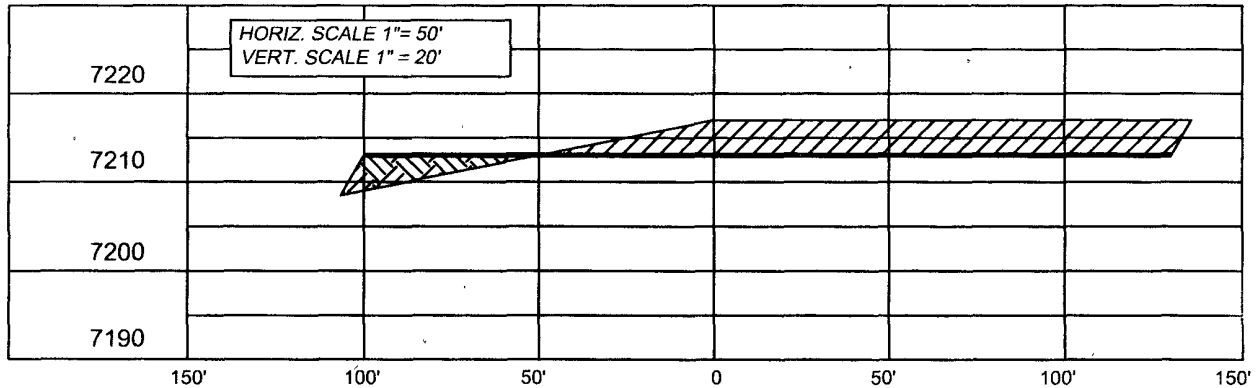
SECTION 27, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 7213' NAVD88

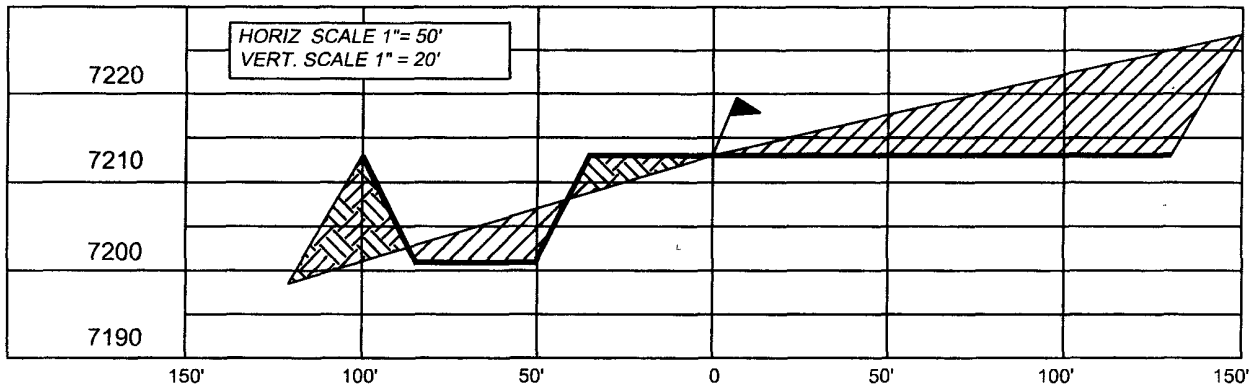
A - A'

C/L



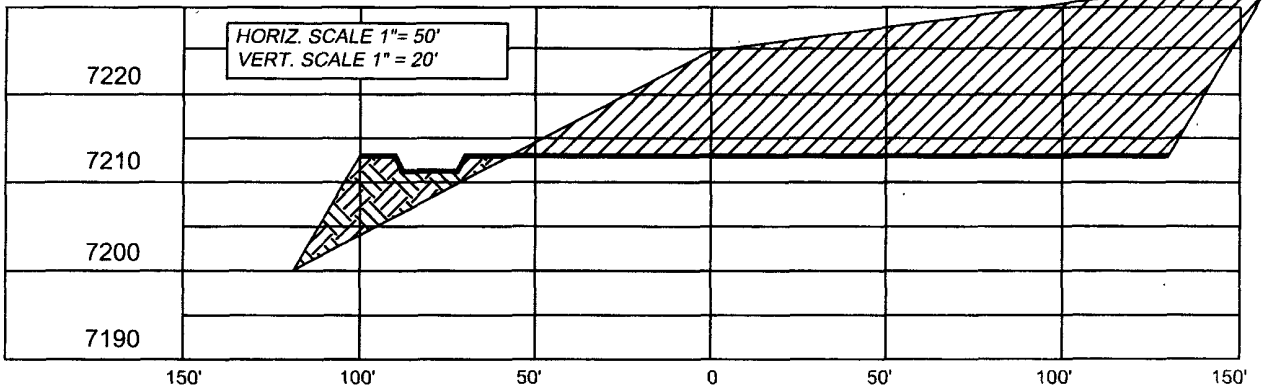
B - B'

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
1	ISSUE FOR REVIEW	L H.	3/26/07
2	ACCESS ROAD	L H.	7/19/07

CCI

CHENAULT CONSULTING INC.

P O BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505)325-7707