

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAY 22 PM 3:25
RECEIVED
BLM
FARMINGTON, NM

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 #141B	
4. Location of Well Surf:Unit N (SESW), 430' FSL & 2465' FWL SURF:Latitude 36° 34.0327393 N Longitude 107° 14.3140865 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) 0 Surf:Sec. 15, T27N, R4W API # 30-039-30267	
14. Distance in Miles from Nearest Town 56 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 175'	17. Acres Assigned to Well 320 (w/2) MV ST OK	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease	
19. Proposed Depth 8393'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7083' GL	22. Approx. Date Work will Start RCVD SEP 25 '07 OIL CONS. DIV.	
23. Proposed Casing and Cementing Program See Operations Plan attached	DIST. 3	
24. Authorized by: <u>Kandis Roland</u> Kandis Roland (Regulatory Technician)	5/22/07 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

(PA) 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

NMOCD

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

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

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

2007 MAY 22 PM 3:28
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30267	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde / Basin Dakota
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4	⁶ Well Number 141B
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 7,083.0'

¹⁰ SURFACE LOCATION

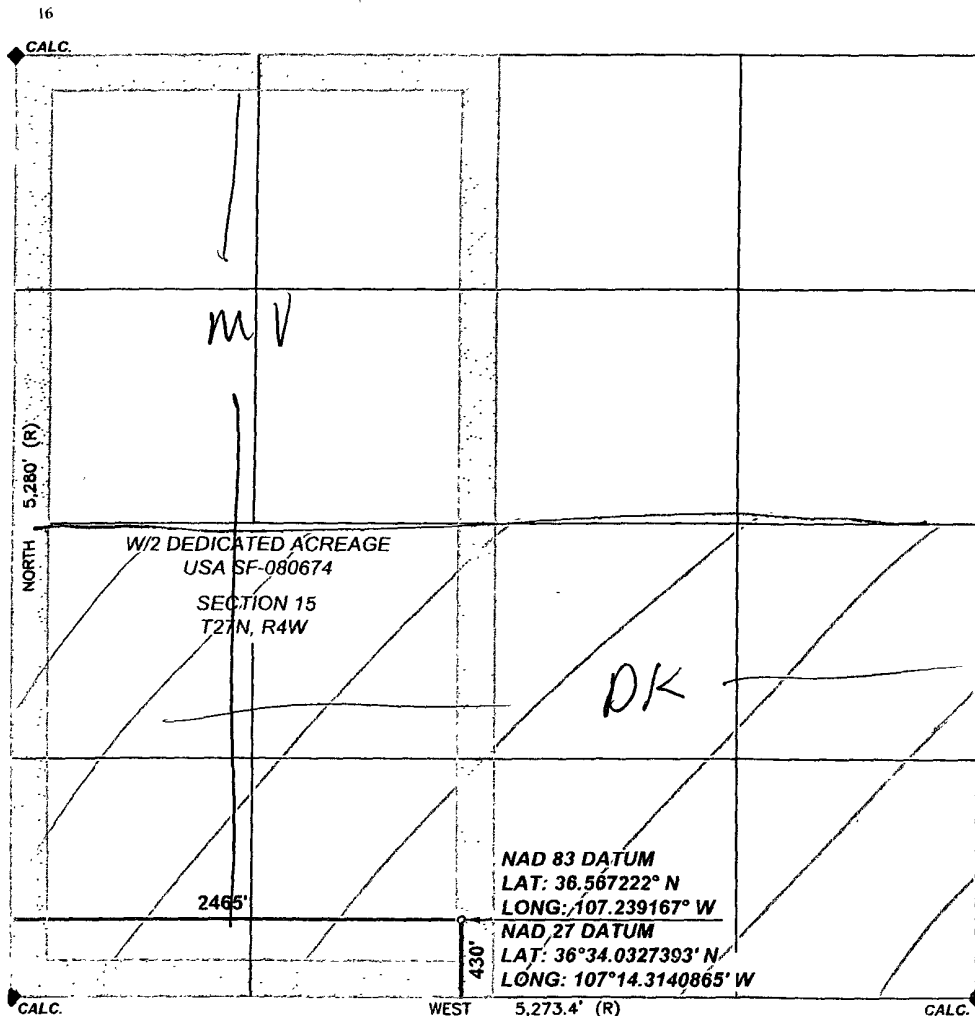
UL or lot no N	Section 15	Township 27-N	Range 4-W	Lot Idn	Feet from the 430	North/South line SOUTH	Feet from the 2465	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	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 w/2 MV SF OK	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



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.

Kandis Roland
Signature
Kandis Roland

Printed Name
Regulatory Assistant

Title and E-mail Address
September 11 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: 7/31/06

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.

30-039-30267

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

141B

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 N : 1 430' feet from the South line and 2465' feet from the West line
Section 15 Township 27N Rng 4W NMPM County Rio Arriba

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

7083'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

<50

Distance from nearest fresh water well

>1000

Distance from nearest surface water

<1000

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, 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

Kandis Roland

TITLE

Regulatory Technician

DATE

5/22/07

Type or print name

Kandis Roland

E-mail address:

urnskr@conocophillips.com

Telephone No.

505-326-9743

For State Use Only

APPROVED BY

[Signature]

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

OCT 01 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 141B

DEVELOPMENT

Lease:		AFE #: WAN.ZA1.8025/8026DK		AFE \$:	
Field Name: hBR SAN JUAN 27-4 UNIT		Rig: Aztec Rig 711		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				
FRR	BASIN DAKOTA (PRORATED GAS)				
R20002	MESAVERDE(R20002)				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.567212		Longitude: -107.238568		X:	Y:
Footage X: 2465 FWL		Footage Y: 430 FSL		Elevation: 7083 (FT)	Section: 15
Tolerance:		Range: 004W			
Location Type: Restricted		Start Date (Est.):		Completion Date:	
Formation Data: Assume KB = 7095		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
SURFACE CSG	216	6879	<input type="checkbox"/>		
OJO ALAMO	3499	3596	<input type="checkbox"/>		
KIRTLAND	3599	3496	<input type="checkbox"/>		
FRLD	3802	3293	<input type="checkbox"/>		
PICTURED CLIFFS	3927	3168	<input type="checkbox"/>		
LEWIS	4119	2976	<input type="checkbox"/>		
Intermediate Casing	4219	2876	<input type="checkbox"/>		
HUERFANITO BENTONITE	4485	2610	<input type="checkbox"/>		
CHACRA	4913	2182	<input type="checkbox"/>		
UPPER CLIFF HOUSE	5542	1553	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	5733	1362	<input type="checkbox"/>		
MENEFEE	5787	1308	<input type="checkbox"/>		
MASSIVE POINT LOOKOUT	6122	973	<input type="checkbox"/>	750	
MANCOS	6654	441	<input type="checkbox"/>		
UPPER GALLUP	7281	-186	<input type="checkbox"/>		
GREENHORN	8042	-947	<input type="checkbox"/>	1200	
GRANEROS	8126	-1031	<input type="checkbox"/>		
TWO WELLS	8162	-1067	<input type="checkbox"/>		18' deeper than #149C
UPPER CUBERO	8277	-1182	<input type="checkbox"/>		
LOWER CUBERO	8321	-1226	<input type="checkbox"/>		From CBRL structure, flat to #71M
OAK CANYON	8373	-1278	<input type="checkbox"/>		
ENCINAL	8393	-1298	<input type="checkbox"/>		
TD	8393	-1298	<input type="checkbox"/>		
12-1/4" hole. 9-5/8" 32.3 H-40, STC casing. Cement with 171 cuft.. Circulate cement to surface.					
Possible water flows.					
Possible gas.					
8-3/4" hole. 7", 20/ 23 ppf, J-55 STC/LTC Casing. Cement with 950 cuft. Circulate cement to surface.					
TD T/Encinal, 20' below T/Oak Cyn. 6-1/4" hole. 4-1/2" 10.5/11.6 J-55 STC/LTC casing. Cement with 568 cuft. Circulate cement a minimum of 100' inside the previous casing string.					
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 141B

DEVELOPMENT

Intermediate	SJ 27-4 Unit 149C	NW 22-27N-04W
Intermediate	SJ 27-4 Unit 71M	SE 16-27N-04W
Intermediate	SJ 27-4 Unit 60	NE 21-27N-04W
Production	SJ 27-4 Unit 71M	Offset well wet in CBRL-Possible fracture-sidetrack,used Softrock Mudlogging

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 - DK 27N04W15SW1 and MVNM027N004W15SW2 - Estimated bottom perf 8368

Zones - DK 27N04W15SW1 and MVNM027N004W15SW2

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 141B

430' FSL, 2465' FWL

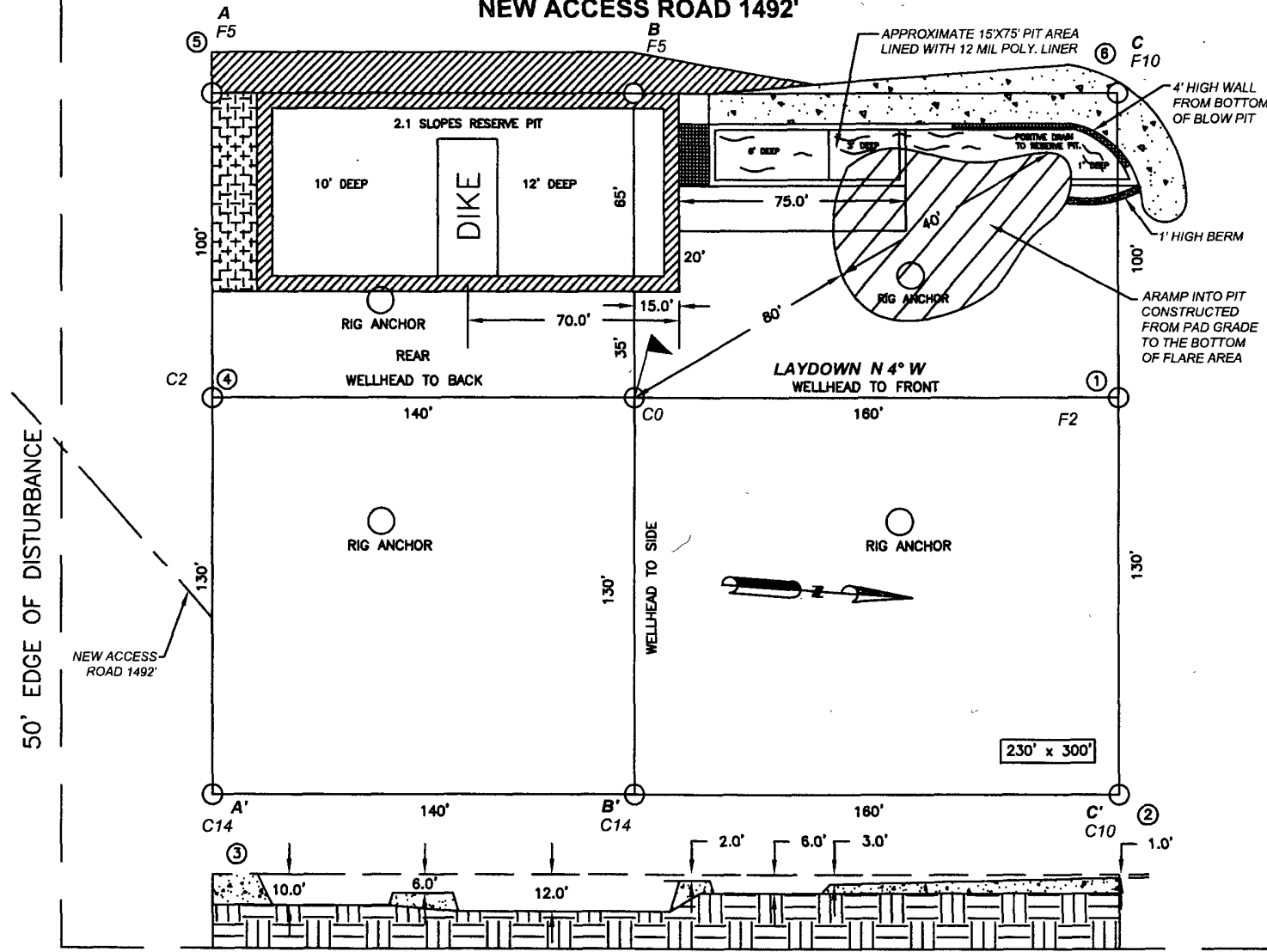
SECTION 15, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEV.: 7083 NAVD88

DATE: APRIL 26, 2007

NEW ACCESS ROAD 1492'



PIT CROSS SECTION

NAD 83 LAT.: 36.567222° N LONG.: 107.239167° W

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 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CCI

CHENAULT CONSULTING INC.

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 141B

430' FSL, 2465' FWL

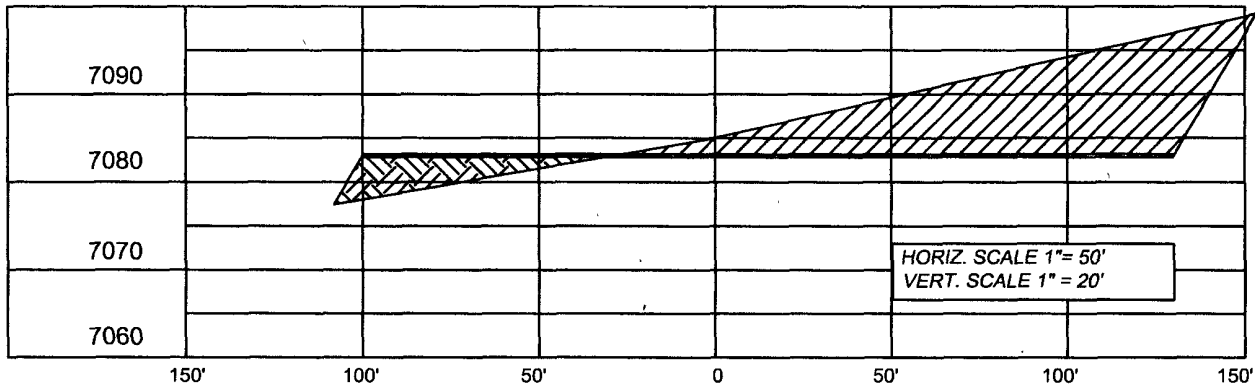
SECTION 15, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 7083 NAVD88

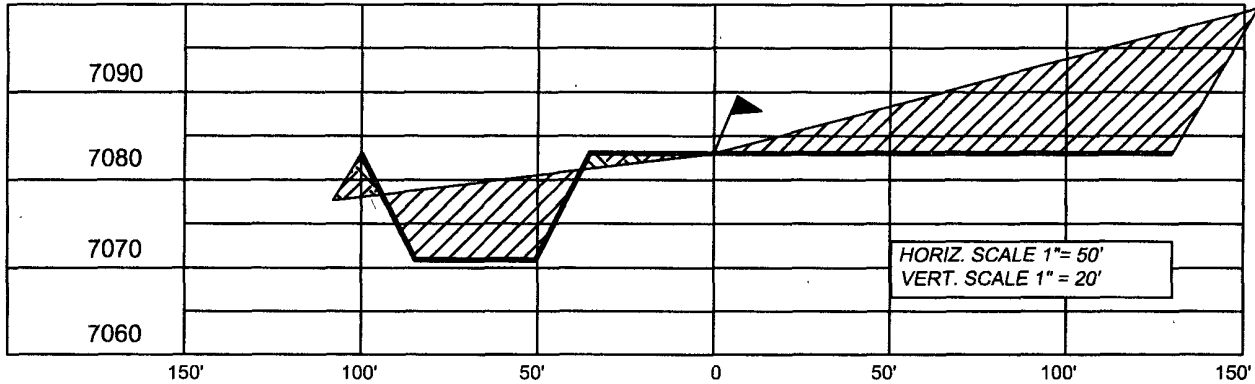
A - A'

C/L



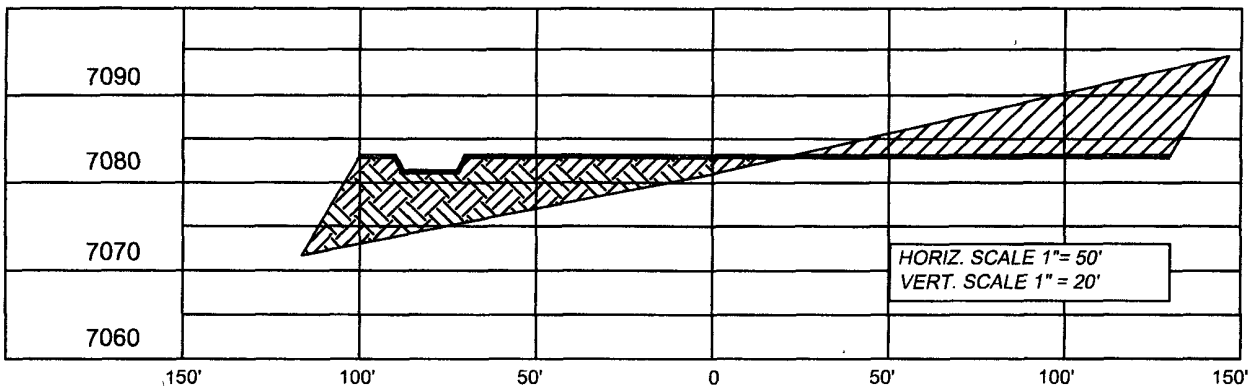
B - B'

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.	4/26/07

CCI

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

CHENAULT CONSULTING INC.