

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 13 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF - 080668 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	
4. Location of Well Unit H (SENE), 1730' FNL & 503' FEL Latitude 36.590006 N. Longitude 107.231694 W.	9. Well Number #140B	
	10. Field, Pool, Wildcat Blanco Mesaverde	
	11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 10, T27N, R4W API # 30-039-30487	
14. Distance in Miles from Nearest Town 37.5 Miles/Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1730'		
16. Acres in Lease 2557.800	17. Acres Assigned to Well MV 320 E/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1280' from San Juan 27-4 Unit 140A		
19. Proposed Depth 6750 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7159' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>2/12/08</u>	

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

APR 01 2008

NMOC

 PRIOR TO CASING & CEMENT
 PA.

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

RECEIVED

FEB 13 2008

☐ AMENDED REPORT

Bureau of Land Management
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30487	² Pool Code 72319	³ Pool Name Blanco MESAVERDE
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 140B
⁷ OGRID No 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 7159

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
H	10	27-N	4-W		1730	NORTH	503	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

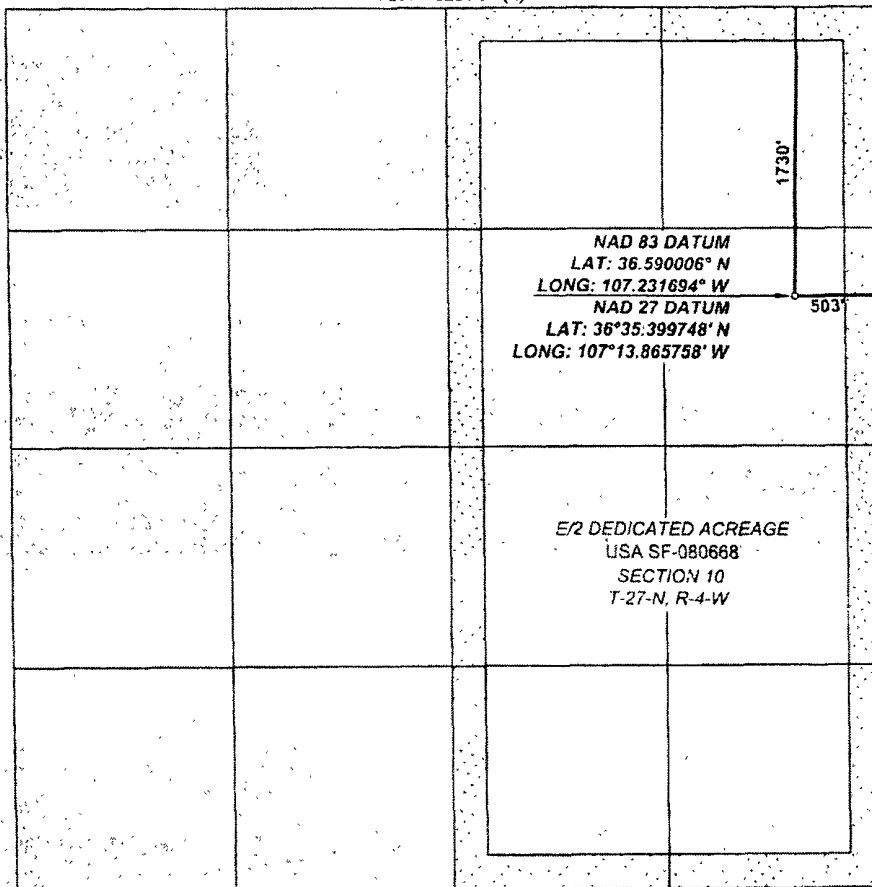
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H									

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

WEST 5284 6' (R)

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 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 Technician
Title and E-mail Address

6/21/07
Date

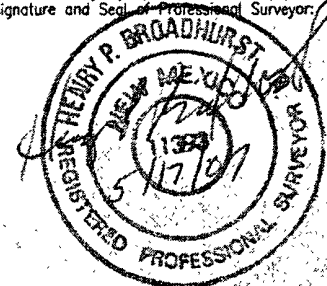
6/21/07
Date

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: 4/16/07

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

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

WELL API NO.	30-039- 30487
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	SF-080668
7. Lease Name or Unit Agreement Name	San Juan 27-4 Unit
8. Well Number	#140B
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 : 1730 feet from the North line and 503 feet from the East line
Section 10 Township 27N Rng 4W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
7159' GR

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: 12 mil Below-Grade Tank: Volume 4400 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 Pit ☒

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 NMOCDD 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 NMOCDD 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 NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Crystal Walker TITLE Regulatory Technician DATE 2/12/2008

Type or print name Crystal Walker E-mail address: tal.walker@conocophillips Telephone No. 505-326-9837
For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE APR 01 2008
Conditions of Approval (if any):

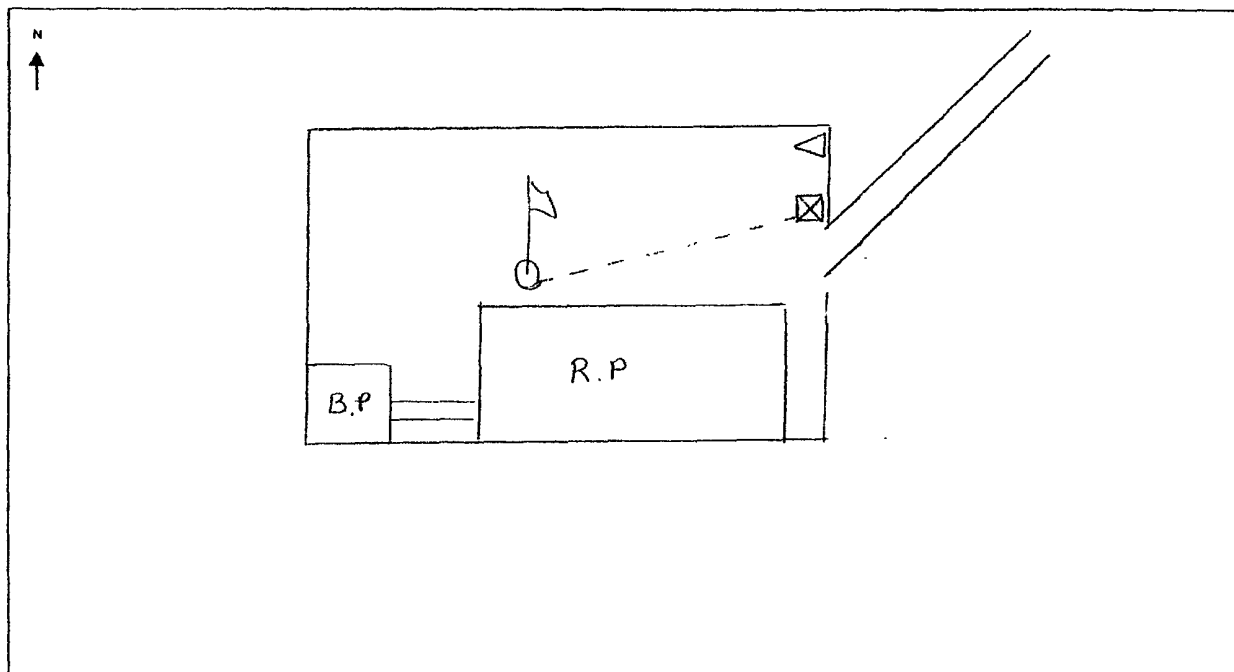


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 27-4 # 140B LEGALS H-10-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill a B and set solar on NE corner of location. Trench approx 170' of #8 neg cable from wellhead to solar.



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

COMMENTS: Solar in forest area

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

TECHNICIAN: Nick L. Hernandez DATE: 1/17/07

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 140B

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7566		AFE \$: 541,187.46	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: XXX Deferred PDT		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.589990	Longitude: -107.231292	X:	Y:	Section: 10	Range: 004W
Footage X: 503 FEL	Footage Y: 1730 FNL	Elevation: 7159 (FT)	Township: 027N		

Tolerance:

Location Type: Restricted Start Date (Est.): 1/1/2020 Completion Date: Date In Operation:

Formation Data: Assume KB = 7173 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6957	☐			12-1/4" hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 171 cu ft. Circulate cement to surface.
OJAM	3457	3716	☐			Possible water flows.
KRLD	3647	3526	☐			
FRLD	3720	3453	☐			Possible gas.
PCCF	4048	3125	☐			
LEWS	4154	3019	☐			
Intermediate Casing	4254	2919	☐			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 948 cu ft. Circulate cement to surface.
HURF	4316	2857	☐			
CHRA	5022	2151	☐			
UCLFH	5603	1570	☐	800		
CLFH	5814	1359	☐			Gas; possibly wet
MENF	5904	1269	☐			Gas.
PTLK	6212	961	☐			Gas, TD 100' below bottom perf 27-4 #28A
TD	6750	423	☐	1500		6-1/4" hole. 4-1/2", 10.5 ppf, J-55, STC Casing. Cement with 345 cu ft. Circulated cement a minimum of 100' inside previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	27-4 #28A	NW 11-27N-4W
Production	27-4 #140A	NE 10-27N-4W

Logging Program:

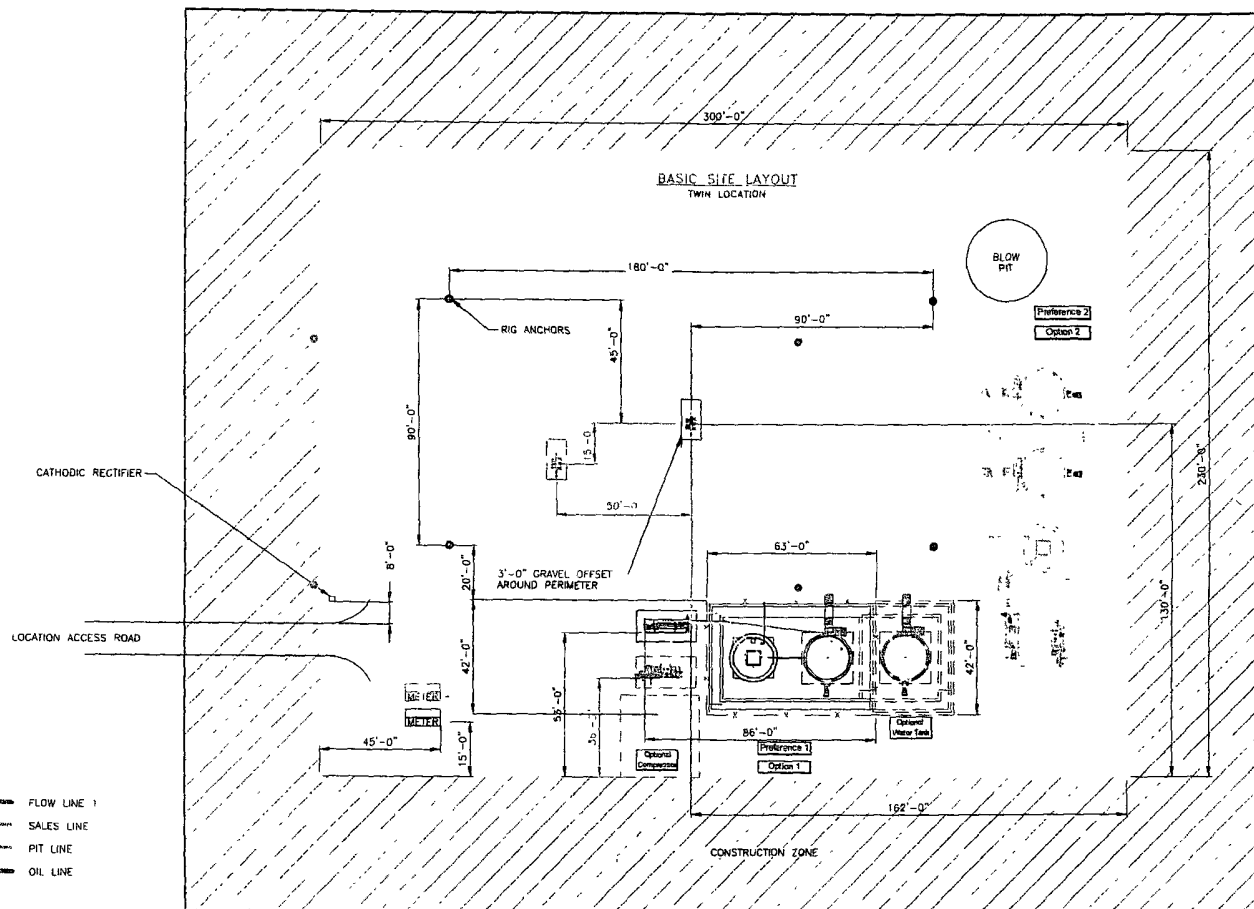
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

GR_CBL

Additional Information:

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

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		 SAN JUAN BUSINESS UNIT		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
										DISCIPLINE	REVIEWED	DATE	NO	DESCRIPTION					
										PROCESS								CLIENT APPR.	APPRO. DATE
										MECHANICAL								SCALE: NONE	CREATION DATE 6/20/07
										PIPING								DWG No.	SHEET No.
										ELECTRICAL								HP3PHASE-REV1	1 of 5
										S & C									
										CIVIL/STRUCTURAL									
										PROJECT									

\\hp3ph\p\Drawings\Regulatory\Twin Location Site Layout.dwg 06/28/2007 - 02:39pm

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

SAN JUAN 27-4 UNIT 140B

1730' FNL, 503' FEL

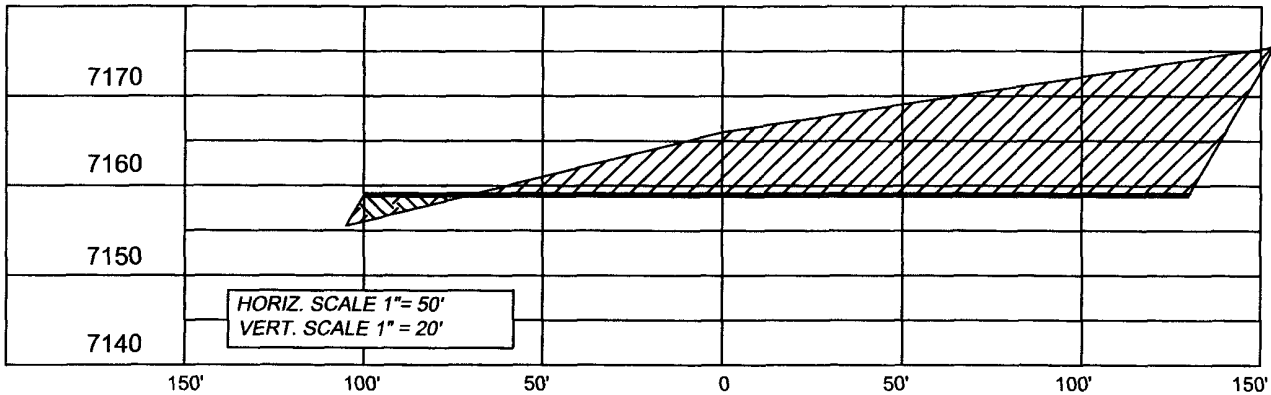
SECTION 10, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 7159 NAVD88

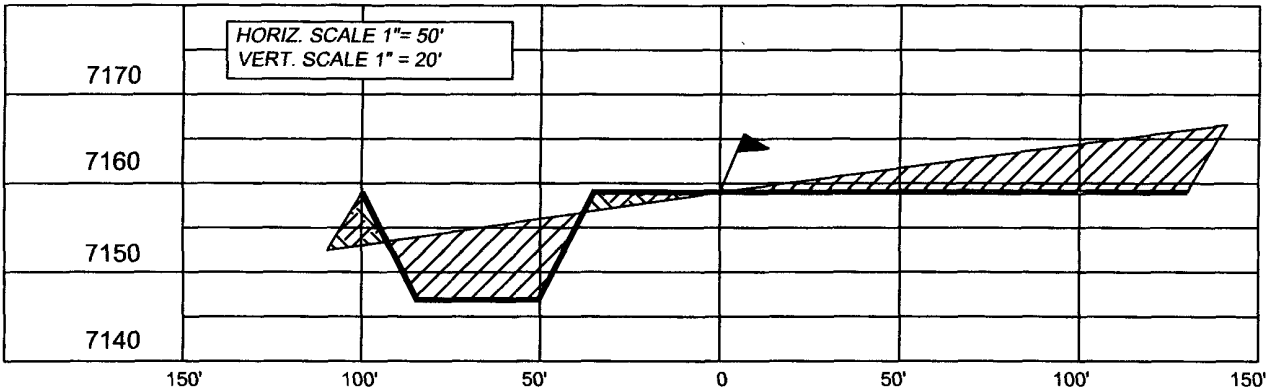
A - A'

C/L



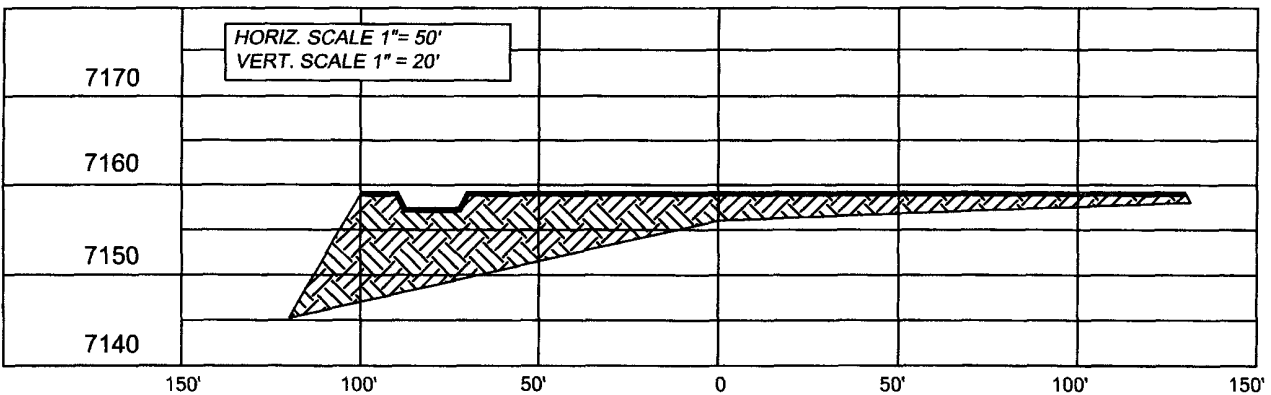
B - B'

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	ISSUED FOR REVIEW	LH	4/16/07
2	ACCESS ROAD	TJR	7/18/07

CCI

CHENAULT CONSULTING INC.

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