

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 10 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF-78103-A 078103A 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 Huerfano Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #314
4. Location of Well Surf: Unit B(NWNE), 845' FNL & 1685' FEL Surf: Latitude 36.449629° N Longitude 107.773350° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 34, T26N, R9W API # 30-045-34741
14. Distance in Miles from Nearest Town 29 miles/Bloomfield	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 845'	13. State NM
16. Acres in Lease 640.00	17. Acres Assigned to Well 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 318' from Huerfano Unit #552	
19. Proposed Depth 6662'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6459' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	LET'S 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
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>6/9/08</u> 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.

NO EXAMPLE MASTER PLAN TURN IN

Bond Numbers NMB-000015 and NMB-000089

PRIC

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

NMOCD JUL 17 2008

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

RCVD JUL 15 08
OIL CONS. DIV.

DIST. 3

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 - 7 Copies

Fee Lease - 3 Copies

JUN 10 2008

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-045-34741	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 7139	⁵ Property Name HUERFANO UNIT	⁶ Well Number 314
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6459

¹⁰ SURFACE LOCATION

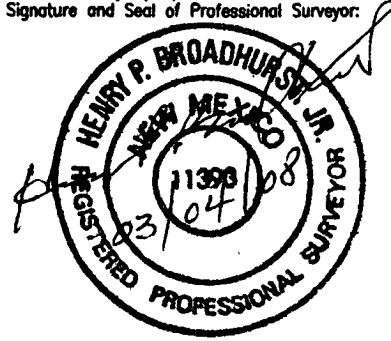
UL or lot no. B	Section 34	Township 26-N	Range 9-W	Lot Idn	Feet from the 845	North/South line NORTH	Feet from the 1685	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

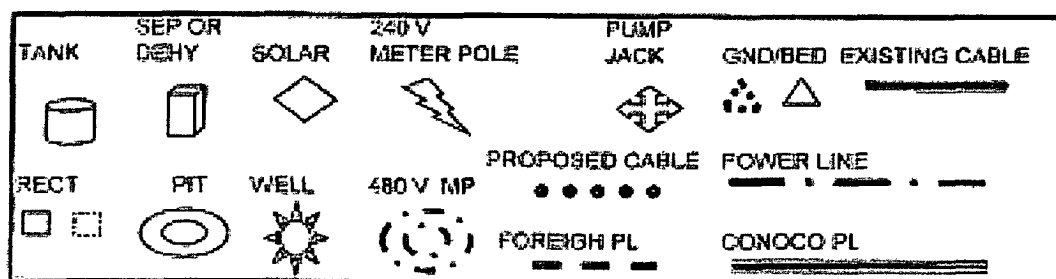
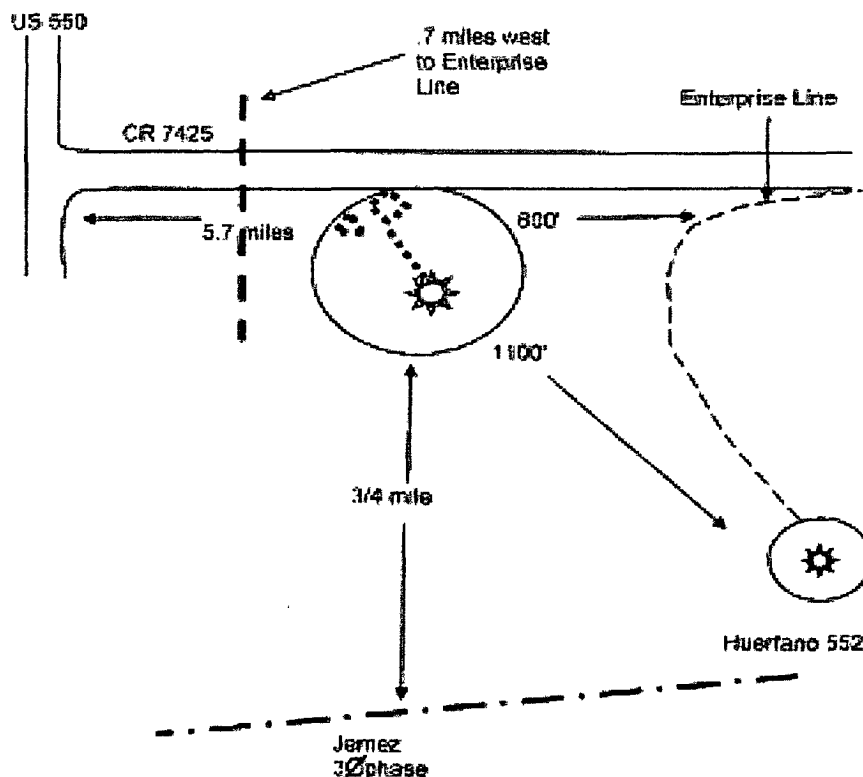
UL or lot no. B	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO 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 N 89°54'59" W N 89°51' W 845' 1685' WELL FLAG NAD 83 LAT: 36.449629° N LONG: 107.773350° W NAD 27 LAT: 36°28.977133' N LONG: 107°46.384198' W E/2 DEDICATED ACREAGE SF-78103-A SECTION 34 T-26-N, R-9-W N 0°03' W N 0°07'27" W	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. <u>Crystal Walker</u> 3/7/08 Signature <u>Crystal Walker</u> Printed Name Regulatory Technician Title and E-mail Address <u>March 7, 2008</u> 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: 2/14/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393

N
↑
Huerfano Unit #314



COMPANY

Burlington Resources

CHARGE CODE

WAN.RFE.PD07.HV

WELL NAME

Huerfano Unit 314

DATE

12/11/2007

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC	TNSHP	RNGE
34	25 N	9 W

LATITUDE

38.449529 N

LONGITUDE

107.773158 W

COUNTY

SAN JUAN

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

180 V METER POLE

D.C. CABLES

A.C. CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

WATER PUMP

COMPRESSOR

RTU

SAMS

TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
single	x			
	x			
# 8	300 ft			
			Jenny	
			1/2 mile	

COMMENTS

sandy soil

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANO UNIT 314

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7378		AFE \$: 600,608.22	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist:		Phone:		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead: Phone:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.449619	Longitude: -107.772736	X:	Y:	Section: 34	Range: 009W
Footage X: 1685 FEL	Footage Y: 845 FNL	Elevation: 6459	(FT)	Township: 026N	
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:

Formation Data: Assume KB = 6473 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200 320 Min.	6273	☐			12 1/4" hole. 8 5/8" 24 ppf, J-55, STC casing. - Cement with 200 cu ft. Circulate cement to surface.
OJO ALAMO	1184	5289	☐			
KIRTLAND	1293	5180	☐			
FRUITLAND	1696	4777	☐			Possible Gas
PICTURED CLIFFS	1985	4488	☐			
LEWIS	2118	4355	☐			
HUERFANITO BENTONITE	2422	4051	☐			
CHACRA	2888	3585	☐			
MASSIVE CLIFF HOUSE	3621	2852	☐			
MENEFEE	3655	2818	☐			
POINT LOOKOUT	4421	2052	☐			GAS
MANCOS	4820	1653	☐			
UPPER GALLUP	5460	1013	☐			
GREENHORN	6324	149	☐			
GRANEROS	6375	98	☐			
TWO WELLS	6400	73	☐	2000		Gas
PAGUATE	6492	-19	☐			
CUBERO	6549	-76	☐			
LOWER CUBERO	6563	-90	☐			Estimated bottom perf 12' above TD - add ~40' for mud shoe.
ENCINAL	6620	-147	☐			Burro does not look prospective - TD to complete main Encinal sand.
Total Depth	6662	-189	☐			7 7/8" hole, 4-1/2" 11.6 ppf, N-80 LTC casing. Cement with 1963 cu ft. Circulate cmt to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Huerfano 204	SE27-26-9
Production	Huerfano 552	NE34-26-9 twin surface
Production	Huerfano 52	NW4-25-9

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUERFANO UNIT 314

DEVELOPMENT

Production	Huerfano 283	SE35-26-9
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Logging Program:

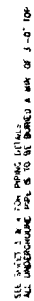
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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:



5 of 17 pages

[illegible]

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HUERFANO UNIT #314

845' FNL, 1685' FEL

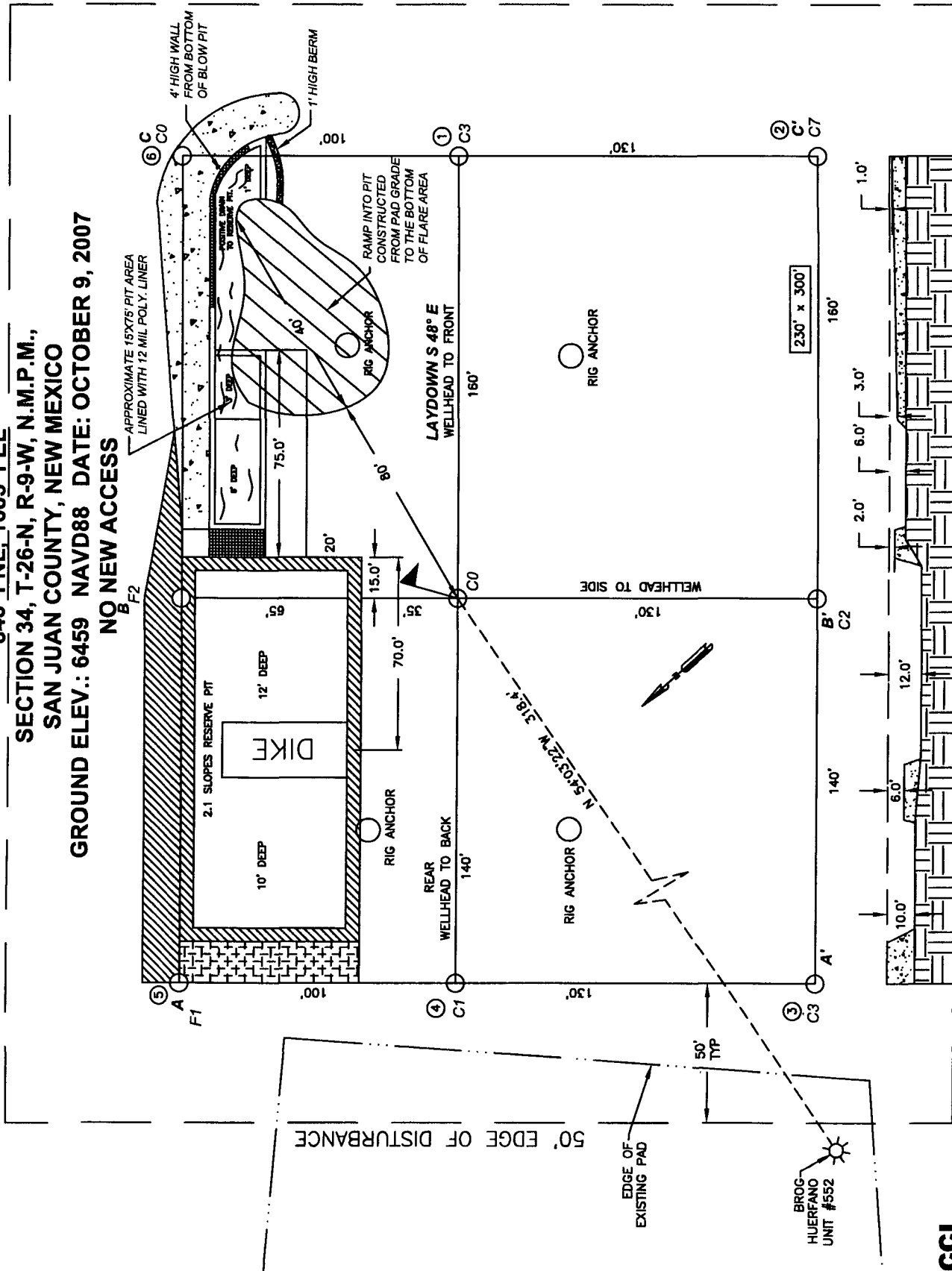
SECTION 34, T-26-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 6459 NAVD88 DATE: OCTOBER 9, 2007

NO NEW ACCESS

B F2



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.

PIT CROSS SECTION

NAD 83 LAT.: 36.449629°N / LONG.: 107.773350°W

330' x 400' = 3.03 ACRES

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

CHENAUT CONSULTING INC.

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HUERFANO UNIT #314

845' FNL, 1685' FEL

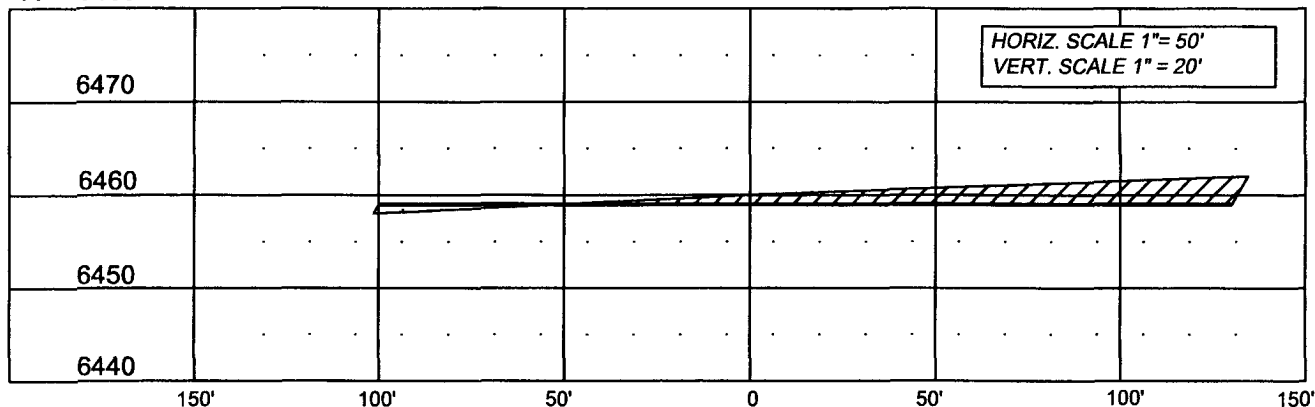
SECTION 34, T-26-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6459 NAVD88

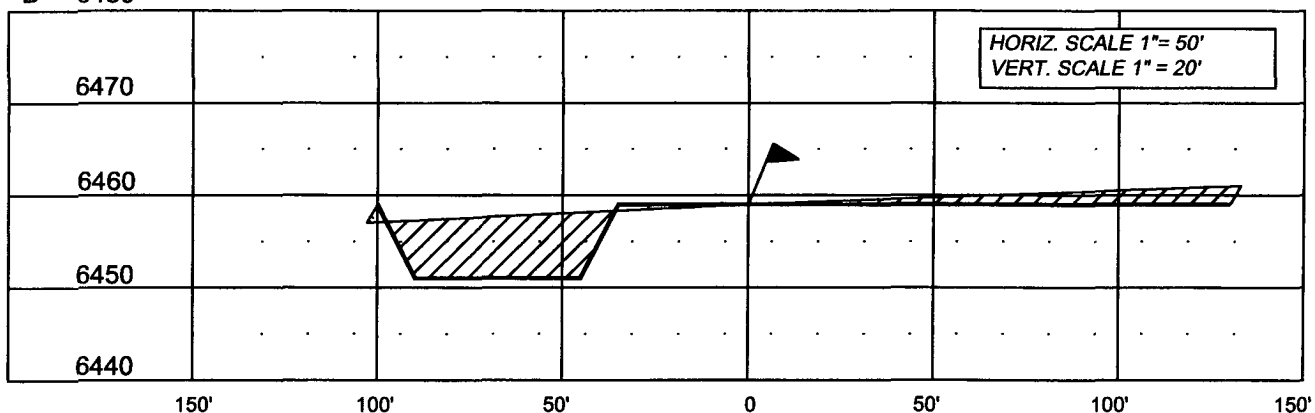
A - A' 6480

C/L



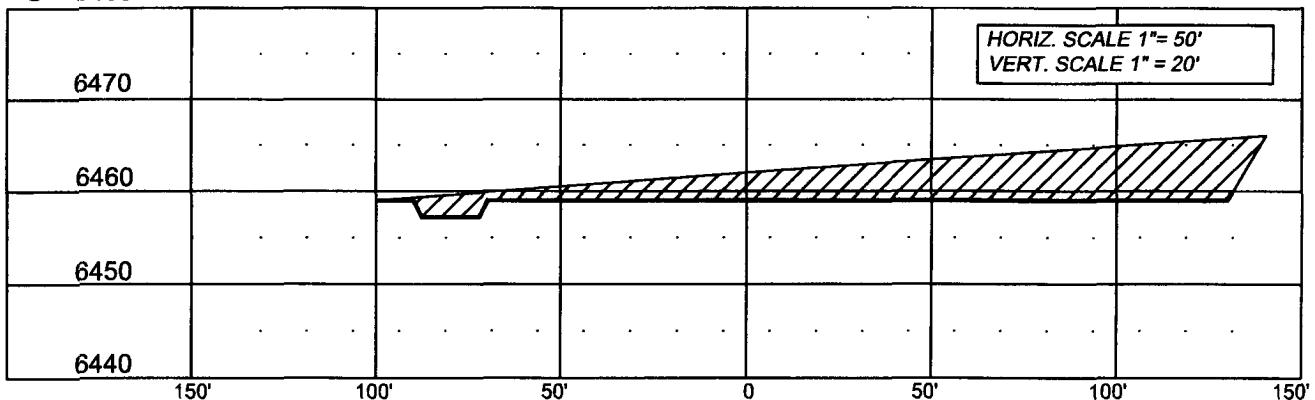
B - B' 6480

C/L



C - C' 6480

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	TJR	10/9/07
2	NAME CHANGE	TJR	2/15/08

CCI

CHENAULT CONSULTING INC.

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