

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD APR 22 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	<b>RECEIVED</b> APR 03 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-076958 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Hare 9. Well Number #295
4. Location of Well Unit P (SESE), 1075' FSL & 660' FEL  Latitude 36.751220 N Longitude 107.865572 W		10. Field, Pool, Wildcat Basin Fruitland Coal  11. Sec., Twn, Rge, Mer. (NMPM) Lot 20/P Sec. 3, T29N, R10W API # 30-045-34679
14. Distance in Miles from Nearest Town 3 miles to Blanco, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'		
16. Acres in Lease	17. Acres Assigned to Well 284.7 (S/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1175' Hare 13 PC		
19. Proposed Depth 2520'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5858' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	BLM'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>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AEM

DATE 4/2/08

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 2

Bond Numbers NMB-000015 and NMB-000089

APR 23 2008

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

NMOCD B

AV

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4

## 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

RECEIVED

APR 03 2008

Form C-102

Revised October 12, 2005

Submitted to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORTBureau of Land Management  
Santa Fe Field Office

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-34679	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 7091	<sup>5</sup> Property Name HARE	<sup>6</sup> Well Number 295
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	<sup>9</sup> Elevation 5858

<sup>10</sup> SURFACE LOCATION


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	29-N	10-W	20	1075	SOUTH	660	EAST	SAN JUAN

<sup>11</sup> 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
P									

<sup>12</sup> Dedicated Acres 284.70	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

8	7	6	5	<sup>17</sup> 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>Sasha Spangler</i> Signature Sasha Spangler Printed Name Regulatory Technician Title and E-mail Address 01-14-08 Date
9	10	11	12	
16	15	14	13	<sup>18</sup> 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: 11/28/07 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
17	18	19	20	

<sup>16</sup> S/2 DEDICATED ACREAGE  
USA SF-076958  
SECTION 3,  
T-29-N, R-10-W

<sup>14</sup> WELL FLAG  
NAD 83  
LAT: 36.751220° N  
LONG: 107.865572° W  
NAD 27  
LAT: 36°45.072921' N  
LONG: 107°51.897197' W

660'  
1075'  
N 1°22'00" E 2368.1' (R)  
S 1°25'46" W 2364.3' (M)  
N 89°17'34" W 2622.5' (M)  
N 89°20'00" W 2624.8' (R)

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Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

May 27, 2004

WELL API NO.

30-045- 341079

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

SF-076958

7. Lease Name or Unit Agreement Name

Hare

8. Well Number

#295

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

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 &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter P : 1075 feet from the South line and 660 feet from the East line  
Section 3 Township 29N Rng 10W NMPM County San Juan

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

5858' GR

Pit or Below-grade Tank Application

or Closure ☐Pit type New Drill

Depth to Groundwater

&lt;100'

Distance from nearest fresh water well

&gt;1000'

Distance from nearest surface water

&lt;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 ☐

## 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

Crystal Walker

TITLE

Regulatory Technician

DATE

3/7/2008

Type or print name

Crystal Walker

E-mail address:

crystal.walker@conocophillips.com

Telephone No.

505-326-9837

For State Use Only

APPROVED BY



TITLE

Deputy Oil & Gas Inspector,  
District #3

DATE

APR 23 2008

Conditions of Approval (if any):

# Cathodic Protection Plan

COMPANY

BURLINGTON

Charge Code

WAN.RFE.PD07.KH

WELL NAME

HARE # 295

DATE

12/27/2007

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

SE 3

29 N

10 W

36.751220 N

107.865572 W

COUNTY

SAN JUAN

RECTIFIER

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

30/12

x

SOLAR

GROUND BED

x

240 V METER POLE

480 V METER POLE

D/C CABLES

#8

250

A C CABLES

#8

1100

city Fmt

PRIMARY POWER

1 phase

DISTANCE TO POWER

3/4 mile

UNDERGROUND

PUMPJACK

WATER PUMP

COMPRESSOR

RTU

SAMS

TANKS

COMMENTS

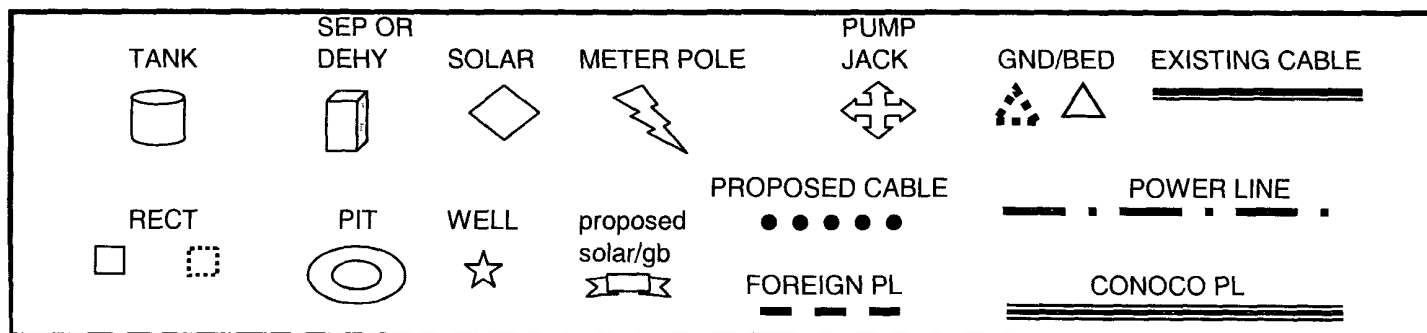
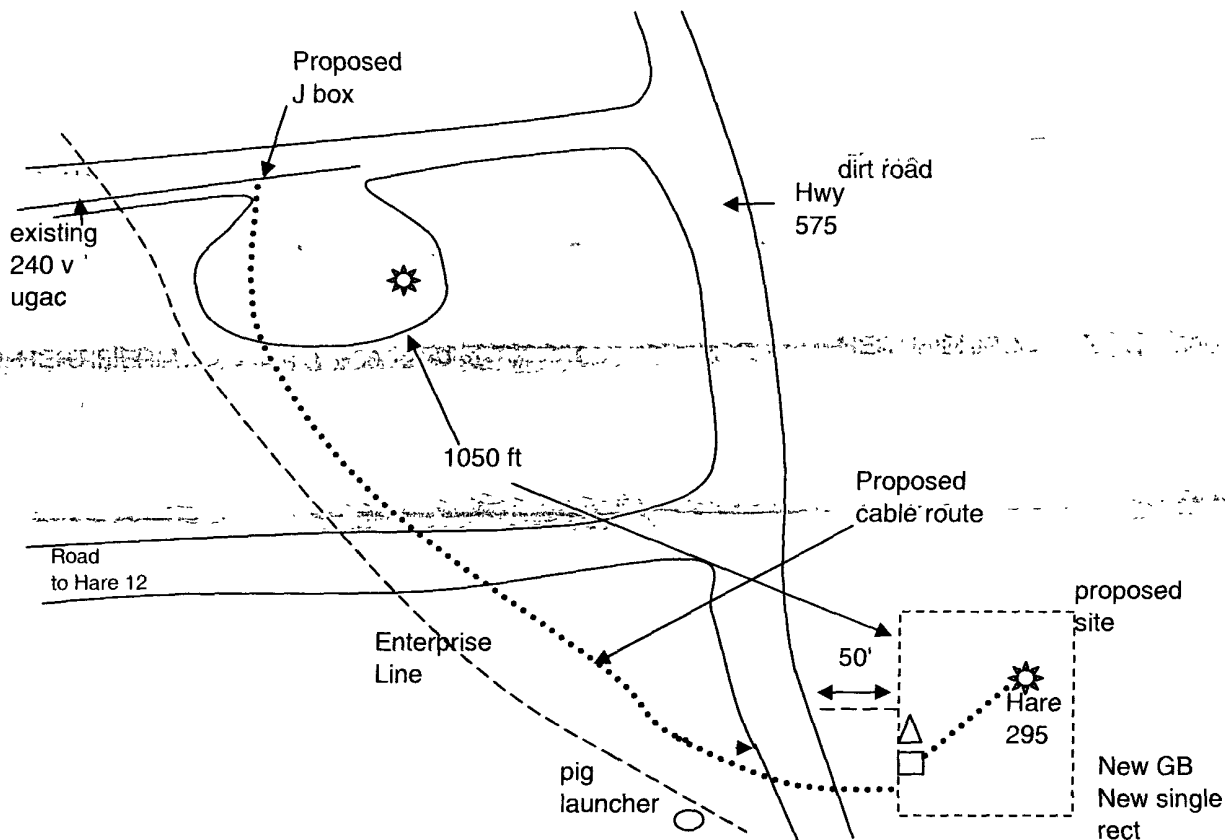
sdandy soil ---hwy 575 is a dirt road

proper routing would avoid pipe line crossings



**HARE #295**

**Cathodic Plat**



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HARE 295

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7441		AFE \$: 209,748.99	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

## Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.751215	Longitude: -107.864953	X:	Y:	Section: 03	Range: 010W
Footage X: 660 FEL	Footage Y: 1075 FSL	Elevation: 5858	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date: -	Date In Operation: -
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Formation Data:	Assume KB = 5872	Units = FT				
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5752	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1065	4807	<input type="checkbox"/>			
KIRTLAND	1230	4642	<input type="checkbox"/>			
FRUITLAND	1817	4055	<input type="checkbox"/>			Gas
PICTURED CLIFFS	2320	3552	<input type="checkbox"/>	250		Gas
Total Depth	2520	3352	<input type="checkbox"/>			TD - T/PCCF + 200': 6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 387 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Hare 15-M	29N-10W3 NE SW SE
Production	Hare 13	29N-10W3 NE SW SE

<b>Logging Program:</b>	
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



**BURLINGTON RESOURCES OIL AND GAS COMPANY LP**

**HARE 295**

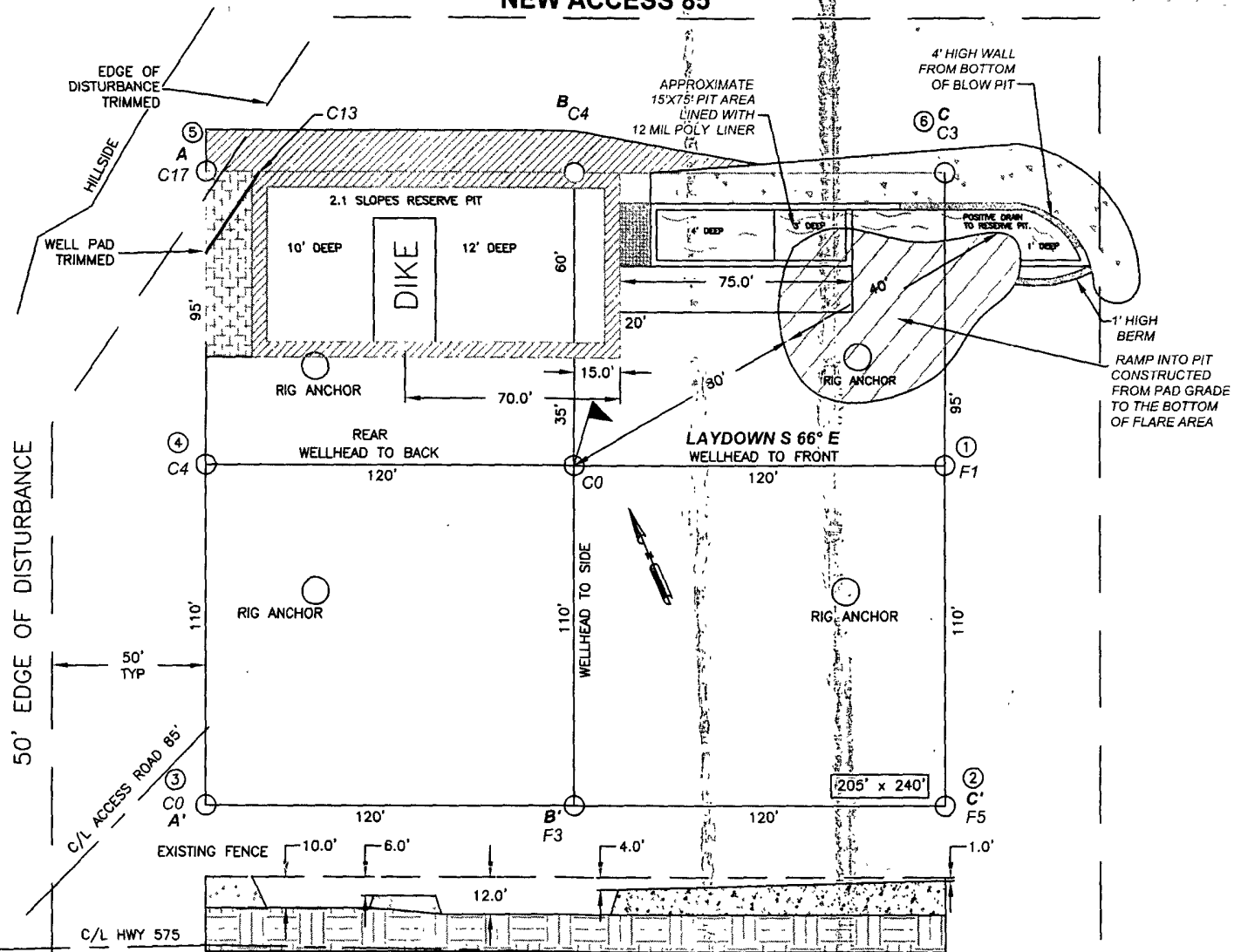
**1075' FSL, 660' FEL**

**SECTION 3, T-29-N, R-10-W, N.M.P.M.,**

**SAN JUAN COUNTY, NEW MEXICO**

GROUND ELEV.: 5858 NAVD88 DATE: NOVEMBER 28, 2007

## NEW ACCESS '85'

**CCl**

**CHENAULT CONSULTING INC.** BLOOMFIELD, NM, 87413  
PHONE (505) 325-7707

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

## PIT CROSS SECTION

NAD 83 LAT. 36.751220°N / LONG.: 107 865572°W

305' x 340' = 2.38 ACRES

NOTES:

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



# BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HARE 295

1075' FSL, 660' FEL

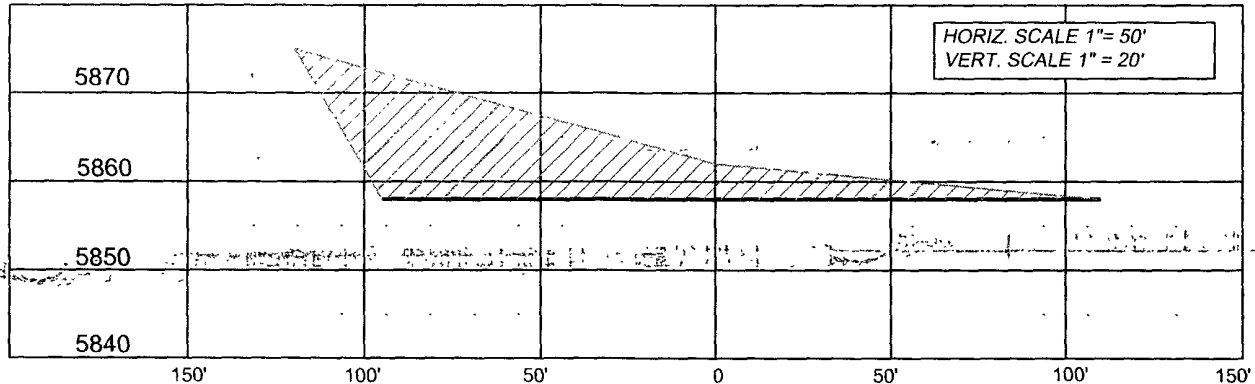
SECTION 3, T-29-N, R-10-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 5858 NAVD88

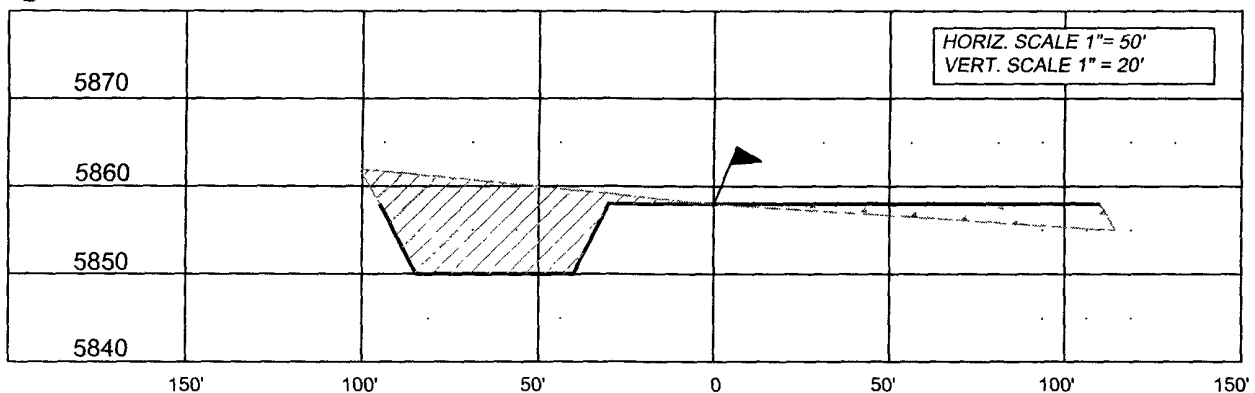
A - A'

C/L



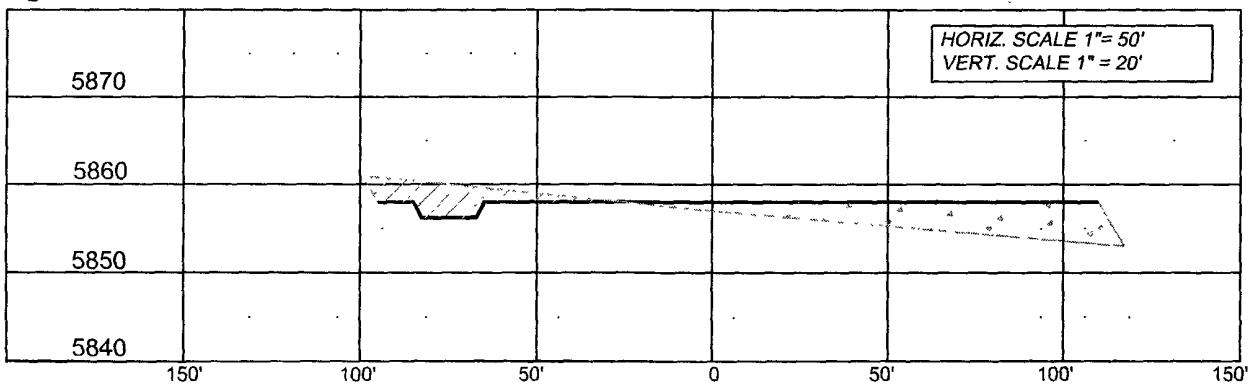
B - B'

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	11/28/07

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

**CCI**

**CHENAULT CONSULTING INC.**