

RCVD MAY 12 '08

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 31 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA NM-03154 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Ballard 9. Well Number #11F	
4. Location of Well Unit F (SENW), 2215' FNL & 1805' FWL Latitude 36.469466 N Longitude 107.779171 W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 15, T26N, R0W API # 30-045-34678	
14. Distance in Miles from Nearest Town 26 mile/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1805'		
16. Acres in Lease 1280.00	17. Acres Assigned to Well DK 320 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1161' from Ballard #7 PC		
19. Proposed Depth 6827'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6335' 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>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)		<u>3-28-08</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY D. Mankie TITLE AFM DATE 5/9/08

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 4

Bond Numbers NMB-000015 and NMB-000089

NMOCD

MAY 13 2008

AV

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

MAR 31 2008

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT
Bureau of Land Management
Santa Fe, NM 87505

¹ API Number 30-045-34678	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 6819	⁵ Property Name BALLARD	⁶ Well Number 11F
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6335

¹⁰ SURFACE LOCATION

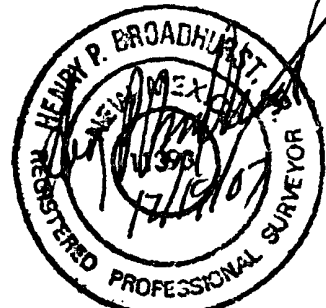
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	15	26-N	9-W		2215	NORTH	1805	WEST	SAN JUAN

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
F									

¹² Dedicated Acres 320 W/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 5282.4' (M) 5280.7' (R) 2215' 1805' W/2 DEDICATED ACREAGE USA NM-03154 SECTION 15, T-26-N, R-9-W S 0°02'16" W N 0°04'00" W N 89°50'00" W S 89°54'31" E	WELL FLAG NAD 83 LAT: 36.489466° N LONG: 107.779171° W NAD 27 LAT: 36°29.367393' N LONG: 107°46.713408' 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. <i>Sasha Spangler</i> Signature Sasha Spangler Printed Name Regulatory Technician Title and E-mail Address 01-08-08 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: 11/27/07 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393

Office

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District IV

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

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.	30-045-341078
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	NM-03154
7. Lease Name or Unit Agreement Name	Ballard
8. Well Number	#11F
9. OGRID Number	14538
10. Pool name or Wildcat	Basin Dakota

SUNDRIY 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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	2. Name of Operator BURLINGTON RESOURCES
3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402	4. Well Location Unit Letter <u>F</u> : <u>2215</u> feet from the <u>North</u> line and <u>1805</u> feet from the <u>West</u> line Section <u>15</u> Township <u>26N</u> Rng <u>9W</u> NMPM County <u>San Juan</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6335' GR	

Pit or Below-grade Tank Application	<input type="checkbox"/> or Closure <input type="checkbox"/>
Pit type <u>New Drill</u> Depth to Groundwater <u><100'</u> Distance from nearest fresh water well <u>>1000'</u> Distance from nearest surface water <u><1000'</u>	
Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>4400</u> bbls; Construction Material	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
PLUG AND ABANDON ☐
CHANGE PLANS ☐
MULTIPLE COMPL ☐

OTHER: New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING/CEMENT JOB ☐
ALTERING CASING ☐
P AND A ☐

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 3/6/2008Type or print name Crystal Walker E-mail address: crystal.walker@conocophillips.com Telephone No. 505-326-9837

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAY 13 2008

Conditions of Approval (if any):

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.ZA2.6380		
BALLARD # 11 F		DATE 2/29/2008
WELL NAME		
WELL NAME		

COORDINATES	SEC F 15	TNSHP 26 N	RANGE 9 W	LATITUDE 36.489466 N	LONGITUDE 107.779171 W
COUNTY	SAN JUAN				

RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP

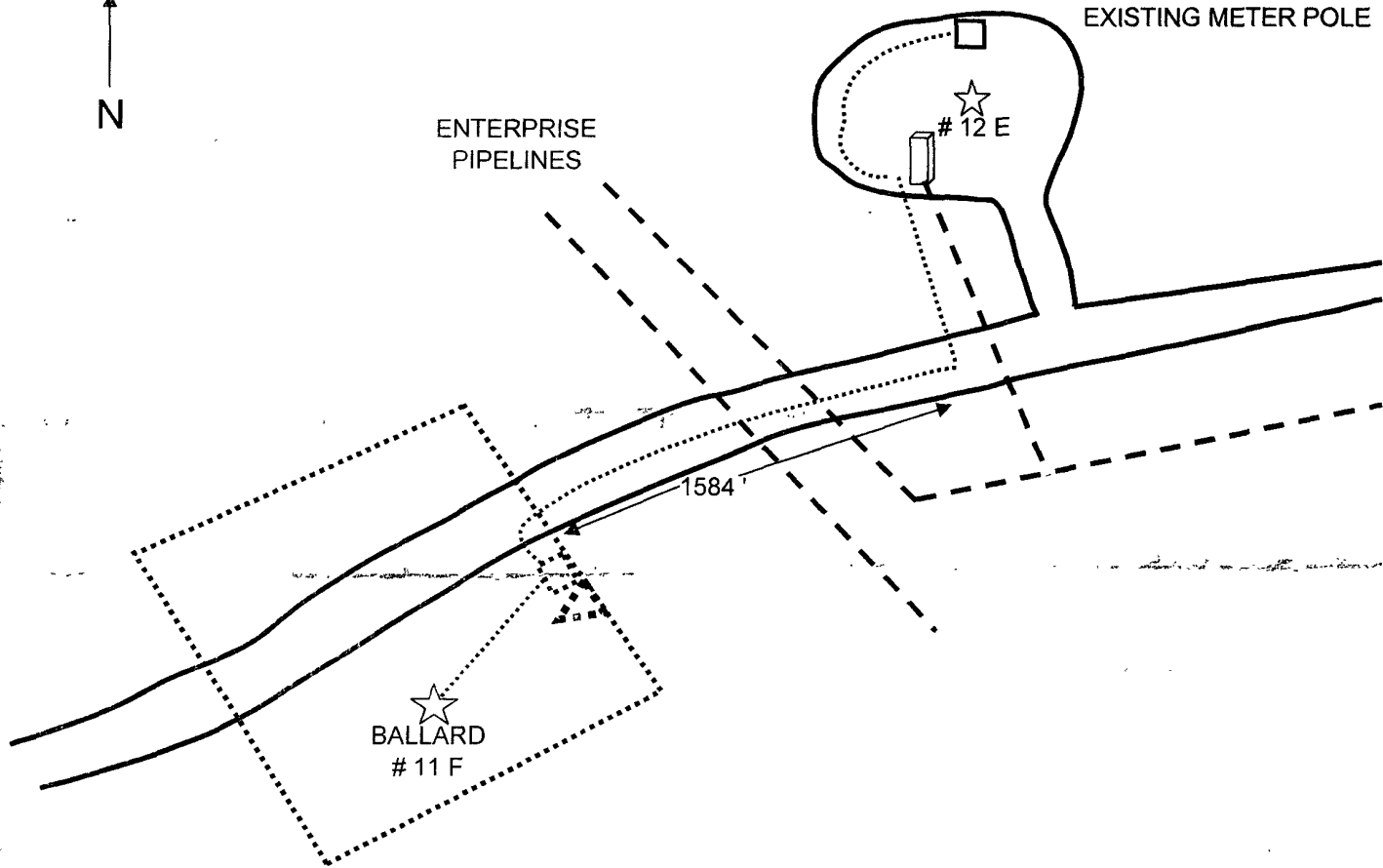
SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
# 8	150'			
# 8	1600'			
			JEMEZ	
			1584'	






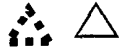
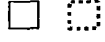


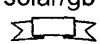




COMMENTS	INSTALL 2 POLE Q/D BKR - PLOW 1585 FT UGAC TO LOC - INSTALL RECTIFIER SYSTEM - SANDY SOIL

WELL NAME	BALLARD # 11 F
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HAS QO LOAD CENTER
EXISTING METER POLE



TANK 	SEP OR DEHY 	SOLAR 	METER POLE 	PUMP JACK 	GND/BED EXISTING CABLE 
RECT 	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE 
			FOREIGN PL 		CONOCO PL 

PROJECT PROPOSAL - New Drill / Sidetrack

BALLARD 11F

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.6380		AFE \$: 613,948.29	
Field Name: hBR SAN JUAN		Rig: Bearcat Rig 4	State: NM	County: SAN JUAN	API #:
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
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.489456	Longitude: -107.778557	X:	Y:	Section: 15	Range: 009W
Footage X: 1805 FWL	Footage Y: 2215 FNL	Elevation: 6335	(FT)	Township: 026N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6347 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6027	<input type="checkbox"/>			12 1/4" hole. 320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 312 cuft. Circulate cement to surface.
OJO ALAMO	1155	5192	<input type="checkbox"/>			
KIRTLAND	1279	5068	<input type="checkbox"/>			
FRUITLAND	1717	4630	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2002	4345	<input type="checkbox"/>			
LEWIS	2087	4260	<input type="checkbox"/>			
HUERFANITO BENTONITE	2437	3910	<input type="checkbox"/>			
CHACRA	2884	3463	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	3562	2785	<input type="checkbox"/>			
MENEFEE	3644	2703	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	4424	1923	<input type="checkbox"/>			GAS
MANCOS	4779	1568	<input type="checkbox"/>			
UPPER GALLUP	5477	870	<input type="checkbox"/>			
GREENHORN	6343	4	<input type="checkbox"/>			
GRANEROS	6398	-51	<input type="checkbox"/>			
TWO WELLS	6423	-76	<input type="checkbox"/>	1800		Gas
PAGUATE	6527	-180	<input type="checkbox"/>			
CUBERO	6597	-250	<input type="checkbox"/>			
ENCINAL	6667	-320	<input type="checkbox"/>			
BURRO CANYON	6726	-379	<input type="checkbox"/>			
MORRISON	6787	-440	<input type="checkbox"/>			
TOTAL DEPTH DK	5827	-480	<input type="checkbox"/>			TD 40' below T/MRSN. 7 7/8" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 2005 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
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PROJECT PROPOSAL - New Drill / Sidetrack

BALLARD 11F

DEVELOPMENT

Logging Program:

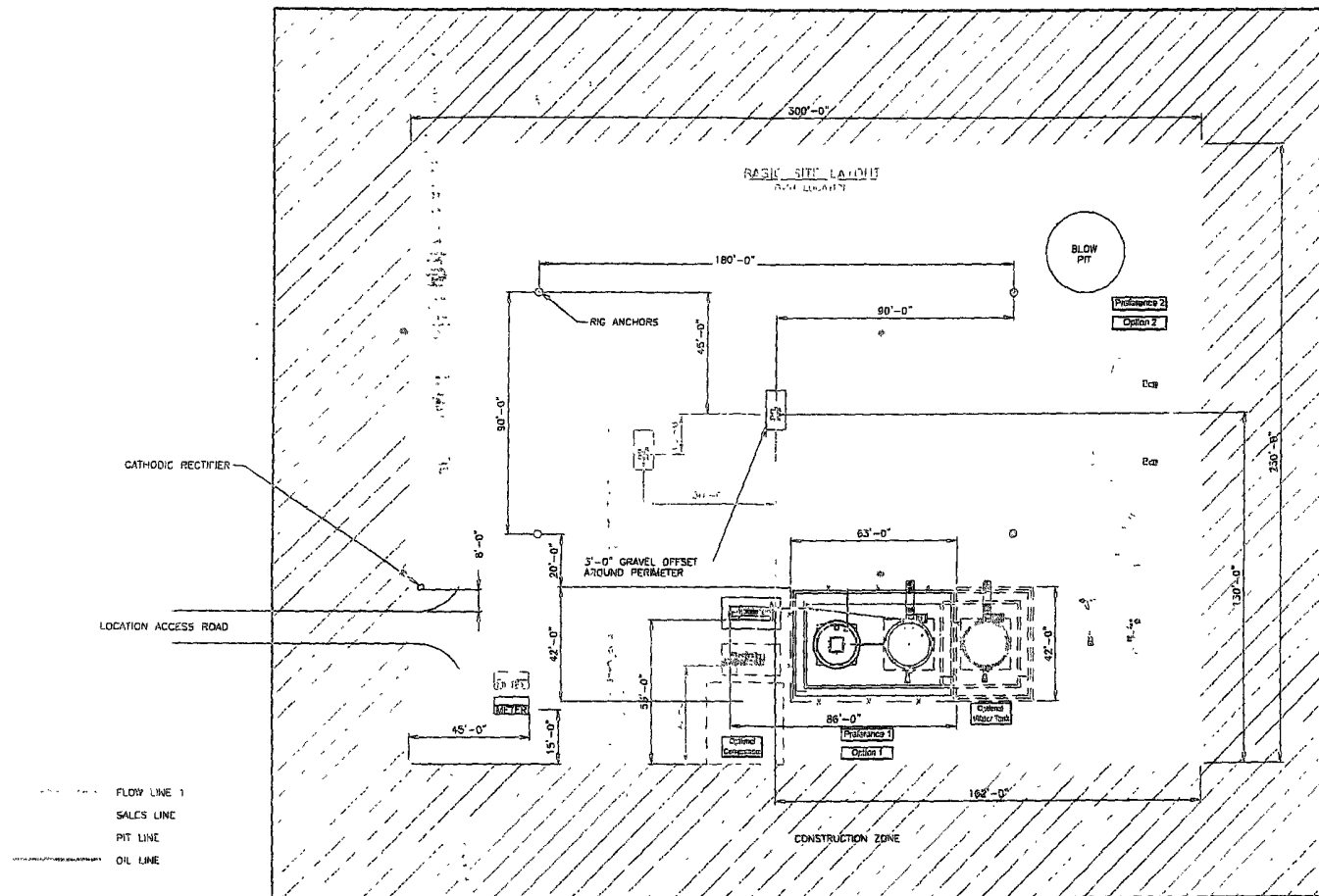
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Mud log from ~100' above the Greenhorn to TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPING IS TO BE CURVED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		CLIENT No.		APPROVAL		APPROVAL DATE		SHEET No.		1 OF 5	
										PROCESS	REVIEWED	DATE	No.	DESCRIPTION												
										MECHANICAL						SAN JUAN BUSINESS UNIT										
										PIPELINE																
										ELECTRICAL																
										HAZOP																
										HAZID																
										HAZOP																
										HAZOP																
										HAZOP																
DESCRIPTION										DATE	BY	CHKD	ENG	DES	PROJ											

INSTRUCTION:

STRUCTURE

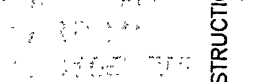
STRUCTURE

STRUCTURE

STRUCTURE

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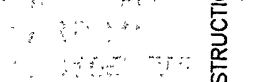
STRUCTURE



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- STRUCTURE

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BURLINGTON RESOURCES OIL AND GAS COMPANY LP

BALLARD 11F

2215' FNL, 1805' FWL

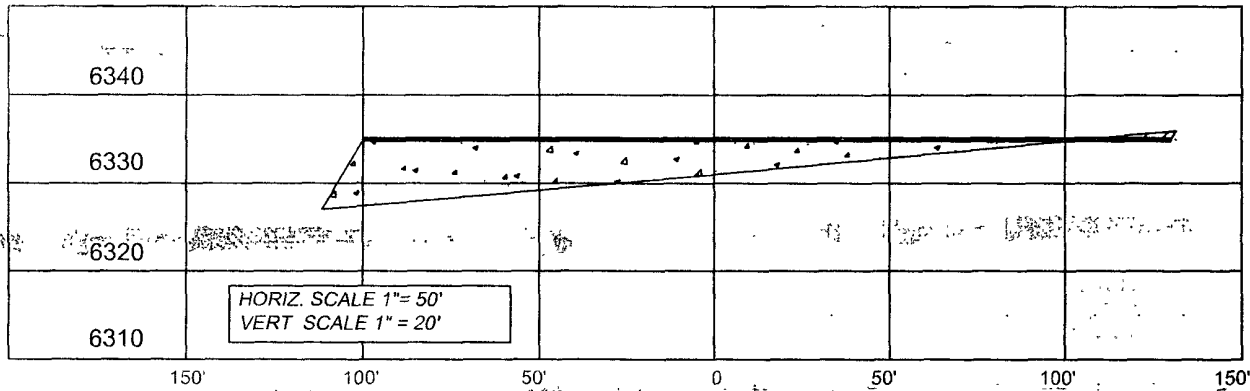
SECTION 15, T-26-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6335 NAVD88

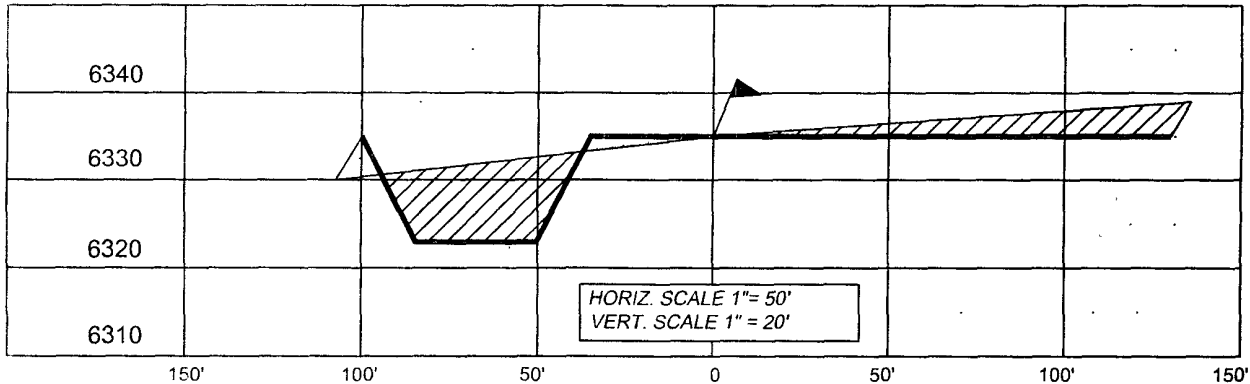
A - A'

C/L



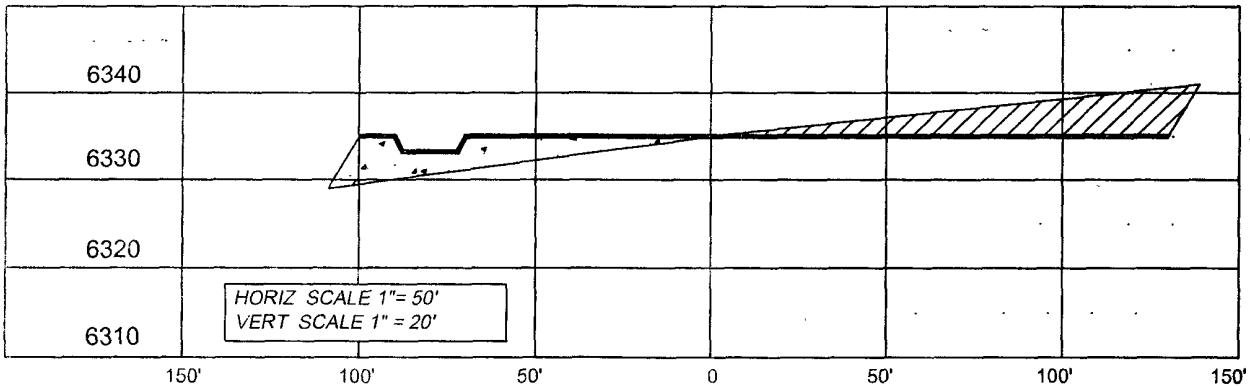
B - B'

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	LH	11/27/07

CCI

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

CHENAULT CONSULTING INC.