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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 23 2009

Bureau of Land Management  
Farmington Field Office

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-076387 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD JUL 14 '09
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Pierce 9. Well Number 2 B
4. Location of Well Surf: Unit P(SESE), 1180' FSL & 780' FEL  Surf: Latitude: 36.82179° N (NAD83) Longitude: 107.79753° W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) P Sec. 8, T30N, R9W  API # 30-045-34999
14. Distance in Miles from Nearest Town 17 miles/Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 780'	
16. Acres in Lease 740.850	17. Acres Assigned to Well MV/DK 320 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 950' from Pierce 2A	
19. Proposed Depth 7561'	 H <sub>2</sub> S POTENTIAL EXIST 20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6251' GL	22. Approx. Date Work will Start 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
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>Tracey N. Monroe</i> Tracey N. Monroe (Staff Regulatory Technician)	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

Bond Numbers NMB-000015 and NMB-000089

JUL 27 2009

NMOC

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

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

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT.

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

# Oil Conservation Division

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

Bureau of Land Management  
Farmington Field Office

Submit to Appropriate District Office  
JUN 22 2009 State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-045-34999</b>	<sup>2</sup> Pool Code <b>71599 / 72319</b>	<sup>3</sup> Pool Name <b>BASIN DAKOTA/BLANCO MESAVERDE</b>
<sup>4</sup> Property Code <b>7388</b>	<sup>5</sup> Property Name <b>PIERCE</b>	<sup>6</sup> Well Number <b>2 B</b>
<sup>7</sup> GRID No. <b>14538</b>	<sup>8</sup> Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b>	<sup>9</sup> Elevation <b>6251'</b>

### <sup>10</sup> Surface Location

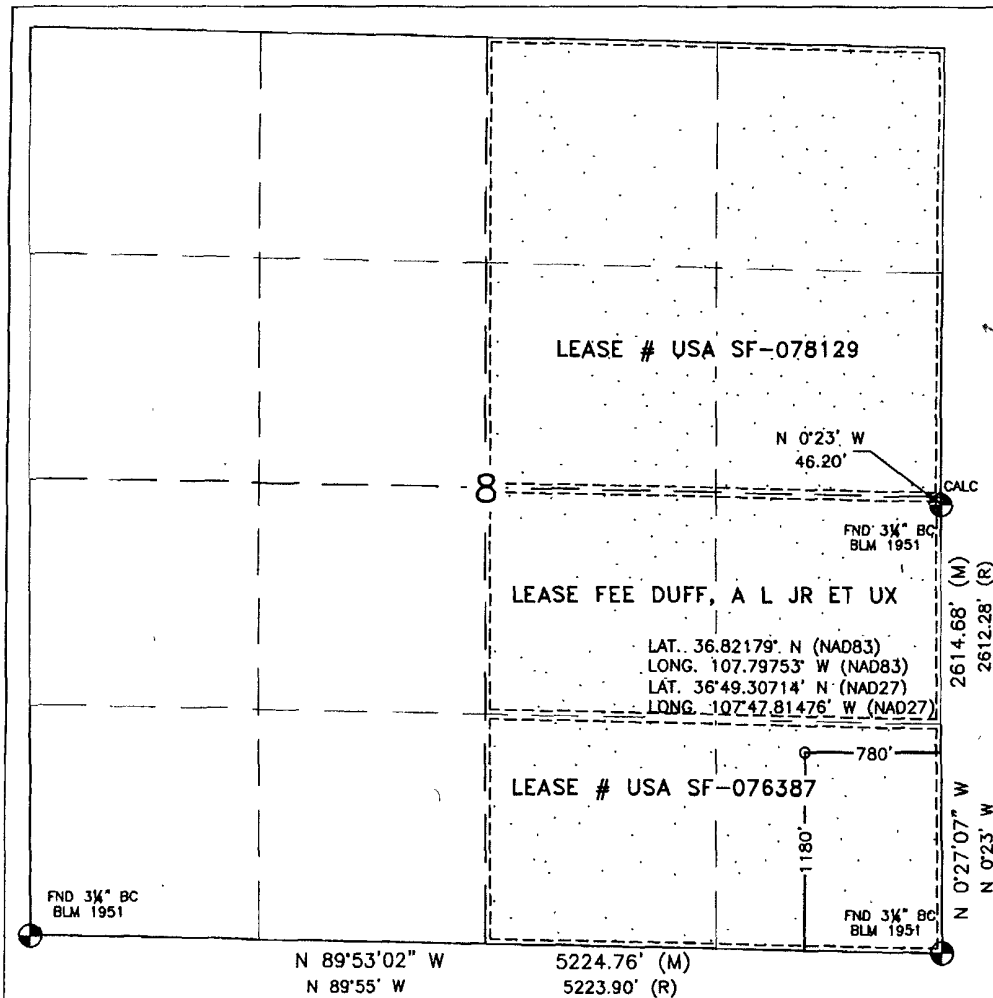
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>P</b>	<b>8</b>	<b>30N</b>	<b>9W</b>		<b>1180'</b>	<b>SOUTH</b>	<b>780'</b>	<b>EAST</b>	<b>SAN JUAN</b>

### <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
<b>P</b>									
<sup>12</sup> Dedicated Acres <b>320.0 Acres - (E/2)</b>			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.		

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



### <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 or a compulsory pooling order heretofore entered by the division.

*Crystal Tafoya* 4/17/09  
Signature Date

**Crystal Tafoya 4-17-09**

Printed Name

### <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.

**AUGUST 1, 2008**

Date of Survey

Signature and Seal of Professional Surveyor:

*David Russell*  
DAVID RUSSELL  
REGISTERED PROFESSIONAL LAND SURVEYOR  
10201

**DAVID RUSSELL**

Certificate Number

**10201**

**COMPANY**

BURLINGTON RESOURCES

**Charge Code**

WAN.RFE.PD08.U4

**WELL NAME**

PIERCE # 2 B

**DATE**

10/24/2008

**DUAL WELL**

WELL NAME

**TRIPLE WELL**

WELL NAME

**COORDINATES**

SEC TNSHP RANGE

P 8

30N

9W

LATITUDE

36.82179N

LONGITUDE

107.79753W

**COUNTY**

SAN JUAN

RECTIFIER

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

SOLAR

30/12

X

GROUND BED

X

240 V METER POLE480 V METER POLED C CABLES

# 8

200'

A C CABLES

# 8

500'

PRIMARY POWERDISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMP

CITY OF FMN

.4 MILES

**COMMENTS**

SANDY SOIL

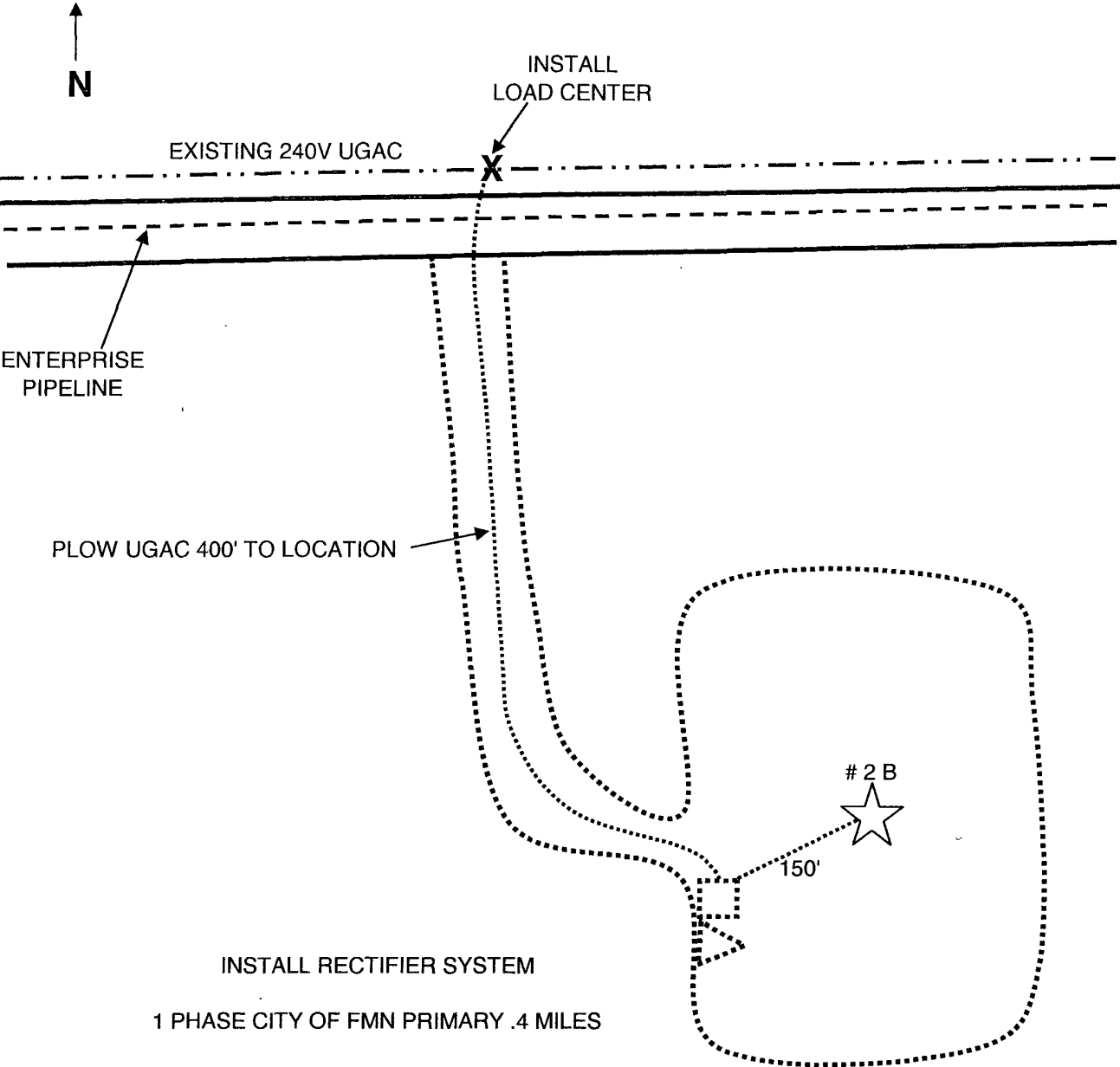
PLOW UGAC 400' TO LOCATION

INSTALL SINGLE WELL RECTIFIER SYSTEM

INSTALL LOAD CENTER

1 PHASE CITY OF FMN PRIMARY .4 MILES

WELL NAME
PIERCE # 2 B



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

San Juan Business Unit

PIERCE 2B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8286		AFE \$: 742,251.63	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Prod. Engineer:	
				Phone:	
		Proj. Field Lead:		Phone:	

## Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

## Location: Datum Code: NAD 27

Latitude: 36.821786	Longitude: -107.796913	X:	Y:	Section: 08	Range: 009W
Footage X: 780 FEL	Footage Y: 1180 FSL	Elevation: 6251	(FT)	Township: 030N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6267	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6067	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1671	4596	<input type="checkbox"/>			
KIRTLAND	1819	4448	<input type="checkbox"/>			
FRUITLAND	2333	3934	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3003	3264	<input type="checkbox"/>			
LEWIS	3135	3132	<input type="checkbox"/>			
Intermediate Casing	3235	3032	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 729 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3717	2550	<input type="checkbox"/>			
CHACRA	4040	2227	<input type="checkbox"/>			
UPPER CLIFF HOUSE	4514	1753	<input type="checkbox"/>			Gas; Est. Top Perf - 4516 (1751)
MASSIVE CLIFF HOUSE	4726	1541	<input type="checkbox"/>	200		Gas
MENEFEE	4839	1428	<input type="checkbox"/>			
POINT LOOKOUT	5241	1026	<input type="checkbox"/>			
MANCOS	5603	664	<input type="checkbox"/>			
UPPER GALLUP	6520	-253	<input type="checkbox"/>			
GREENHORN	7257	-990	<input type="checkbox"/>			
GRANEROS	7309	-1042	<input type="checkbox"/>			
TWO WELLS	7356	-1089	<input type="checkbox"/>	2757		Gas
PAGUATE	7453	-1186	<input type="checkbox"/>			
UPPER CUBERO	7486	-1219	<input type="checkbox"/>			
LOWER CUBERO	7493	-1226	<input type="checkbox"/>			Est. Btm Perf - 7541 (-1274) based on offset wells
ENCINAL	7561	-1294	<input type="checkbox"/>			TD - T/ENCN
Total Depth	7561	-1294	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 589 cuft. Circulate cement a minimum of 100' inside the previous casing string.

## Reference Wells:

Reference Type	Well Name	Comments
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# BURLINGTON RESOURCES OIL & GAS COMPANY LP

PIERCE #2 B

1180' FSL & 780' FEL

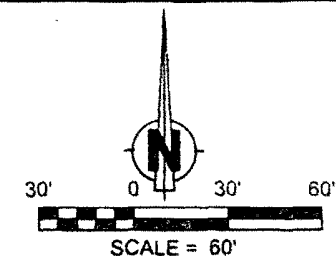
LOCATED IN THE SE/4 SE/4 OF SECTION 8,

T30N, R9W, N.M.P.M.,

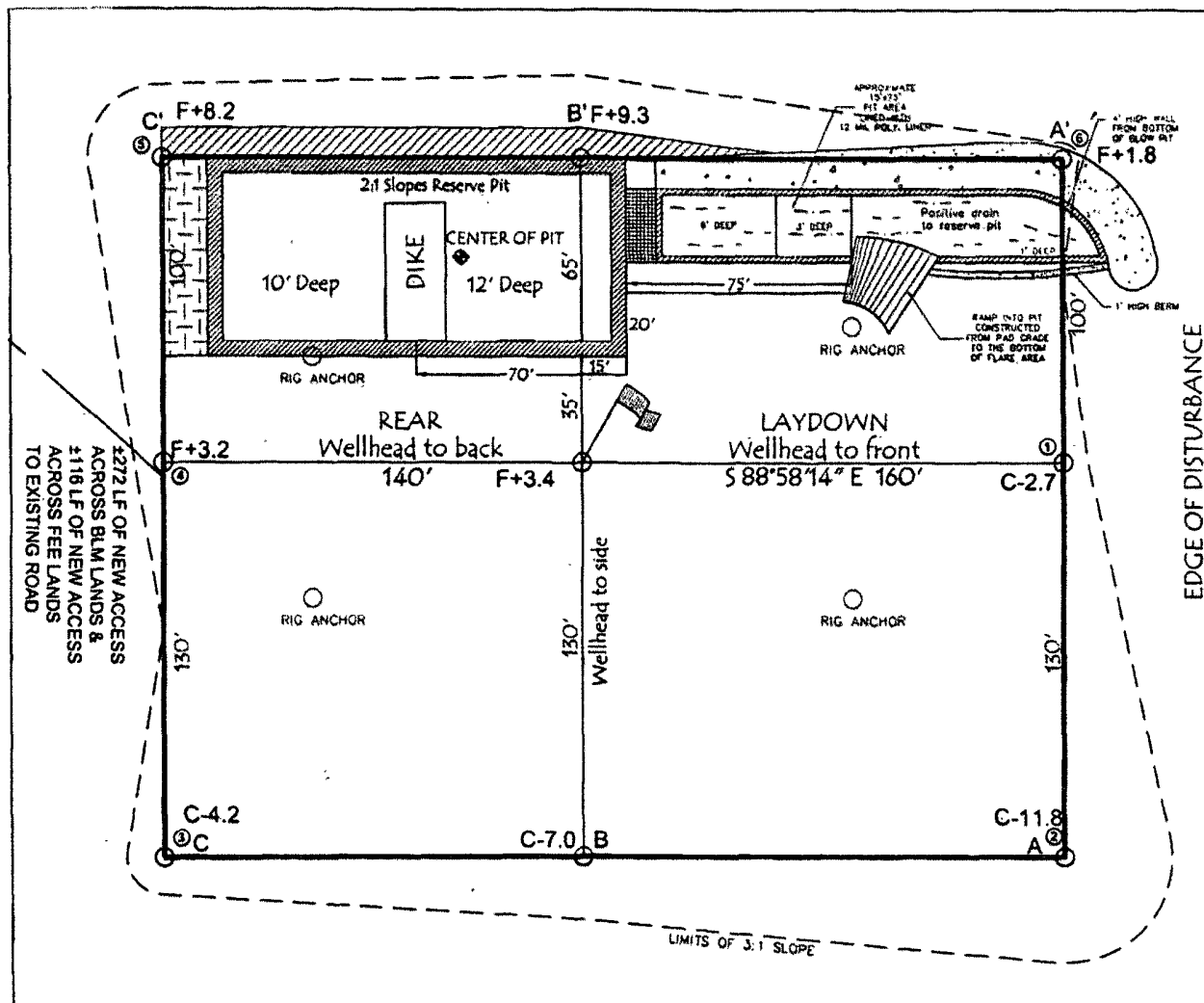
SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6251', NAVD 88

FINISHED PAD ELEVATION: 6254.5', NAVD 88



**WELL FLAG**  
 LATITUDE: 36.82179°N  
 LONGITUDE: 107.79753°W  
**CENTER OF PIT**  
 LATITUDE: 36.82199°N  
 LONGITUDE: 107.79771°W  
 ELEVATION: 6242.5'  
 DATUM: NAD83 & NAVD88



SLOPES TO BE CONSTRUCTED TO MATCH THE ORIGINAL CONTOURS AS CLOSE AS POSSIBLE.

330' x 400' = 3.03 ACRES OF DISTURBANCE  
 SCALE: 1" = 60'  
 JOB No.: COPC213  
 DATE: 08/20/08

NOTE:  
 RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
 RUSSELL SURVEYING, INC. 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, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



**Russell Surveying**  
 1409 W. Aztec Blvd. #2  
 Aztec, New Mexico 87410  
 (505) 334-8637

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

PIERCE #2 B  
1180' FSL & 780' FEL  
LOCATED IN THE SE/4 SE/4 OF SECTION 8,  
T30N, R9W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO

**DIRECTIONS**

- 1) FROM HWY 550 & HWY 173 IN AZTEC NM., GO EAST ON HWY 173 FOR 12.7 MILES.
- 2) AFTER CROSSING WASH, TURN LEFT & GO 2.45 MILES.
- 3) TURN LEFT & GO 0.8 MILES.
- 4) TURN LEFT & GO 0.1 MILES.
- 5) TURN RIGHT & GO 0.3 MILES TO BEGIN ACCESS ON LEFT SIDE OF ROAD.
- 6) FOLLOW RED FLAGGING FOR 387' TO LOCATION.

WELL FLAG LOCATED AT LAT. 36.82179°N, LONG. 107.79753°W (NAD 83).

JOB No.: COPC213  
DATE: 08/20/08



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