

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCUD OCT 22 '07
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED OCT 1 2007 Bureau of Land Management Farmington Field Office	5. Lease Number NMSF-078423 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 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #587
4. Location of Well Unit E (SWNW), 1725' FNL & 1015' FWL, Latitude 36.72844'N Longitude 107.59987'W		10. Field, Pool, Wildcat Basin Fruitland Coal / Blanco Pictured Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 17, T29N, R7W API # 30-039- 30384
14. Distance in Miles from Nearest Town 15 miles	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1015'		
16. Acres in Lease 1283.480 acres		17. Acres Assigned to Well FC - 320. W/2, PC 160 NW/4
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from SJ 29-7 #86A		
19. Proposed Depth 3757'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6789' GL		22. Approx. Date Work will Start DATE'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 10/23/07
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Clugston</u> Patsy Clugston, Regulatory Specialist		Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AE

DATE 10/19/07

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

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

NMOCD

OCT 30 2007
AU

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

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

RECEIVED

OCT 1 2007

Bureau of Land Management
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039--30384	² Pool Code 71629/72359	³ Pool Name BASIN FRUITLAND COAL/BLANCO PICTURED CLIFFS
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 587
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6789'

¹⁰ Surface Location

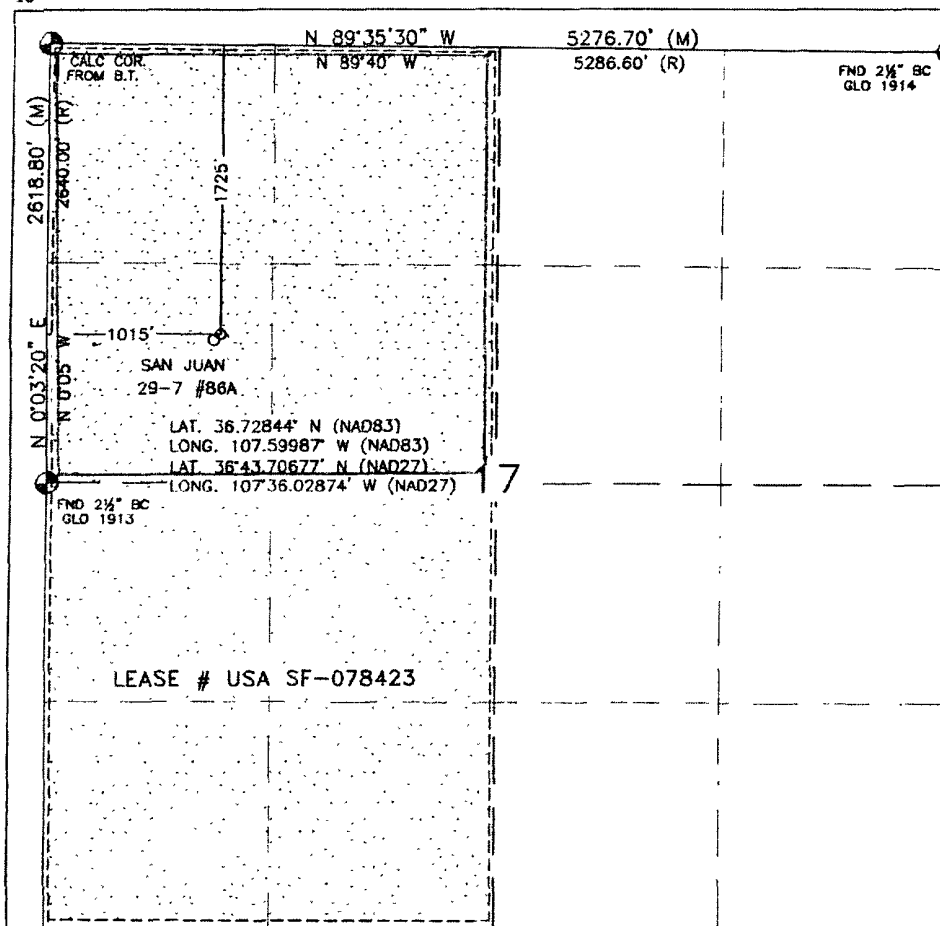
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	17	29N	7W		1725'	NORTH	1015'	WEST	RIO ARRIBA

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
E									
¹² Dedicated Acres FC 320.00 Acres-(W/2) PC 160.00 Acres-(NW/4)					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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



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 or a compulsory pooling order heretofore entered by the division.

Patsy Clugston 7-20-07
Signature Date

Patsy Clugston
Printed Name

18 SURVEYOR CERTIFICATION

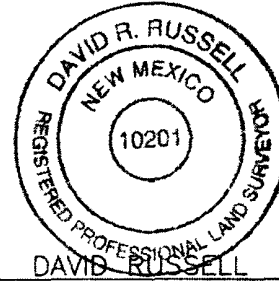
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUN 28, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL
Certificate Number 10201

Office

Energy, Minerals and Natural Resources

May 27, 2004

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.	30-039- 30384
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease #USA SF-078423
7. Lease Name or Unit Agreement Name	San Juan 29-7 Unit
8. Well Number	#587
9. OGRID Number	14538
10. Pool name or Wildcat	Basin FC/Blanco PC

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 E : 1725' feet from the North line and 1015' feet from the West line
Section 17 Township 29N Rng 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6789'

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 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 ☒

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 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 Rhonda Rogers TITLE Regulatory Technician DATE 8-29-07

Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

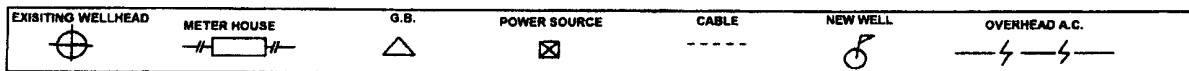
APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector DATE OCT 30 2007
Conditions of Approval (if any): District #3



WELL NAME ST 29-7 #587 **LEGALS** C-17-29-7 **COUNTY** Rio Arriba

The diagram is a hand-drawn schematic of a building layout, oriented with a north arrow pointing upwards in the top left corner. The building is represented by a large rectangle with internal divisions. Key features and labels include:

- Top Left:** A small rectangle labeled "B.r".
- Top Center:** A large rectangle labeled "L.P.".
- Top Right:** A rectangular area containing several circles and lines, possibly representing a kitchen or service area.
- Left Side:** An arrow labeled "New SR." points to a small triangle. Below it, an arrow labeled "Existing CT-System" points to a larger triangle.
- Center:** A dashed line with an asterisk (*) and the label "SJ 29-7 #260A" points to a specific location within the building.
- Bottom Center:** A diamond shape with the label "New Position" points to it.
- Bottom Right:** An arrow labeled "Enterprise P/L" points to a dashed line.



COMMENTS: _____

NEAREST POWER SOURCE Existing Rect. ST 29-7 + 864 **DISTANCE:** same location

PIPELINES IN AREA: Enterprise P/L

TECHNICIAN: Mica Jimenez DATE: 7/19/2007

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 29-7 UNIT 587

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7199		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)
UPL	BLANCO PICTURED CLIFFS

Location: Surface Datum Code: NAD 27

Latitude: 36.728434	Longitude: -107.599261	X:	Y:	Section: 17	Range: 007W
Footage X: 1015 FWL	Footage Y: 1725 FNL	Elevation: 6789	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2008 Completion Date: Date In Operation:

Formation Data: Assume KB = 6801 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6681	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	2524	4277	<input type="checkbox"/>			
KIRTLAND	2720	4081	<input type="checkbox"/>			
FRUITLAND	3240	3561	<input type="checkbox"/>			Gas
PICTURED CLIFFS	3557	3244	<input type="checkbox"/>	450		Gas
Total Depth	3757	3044	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 578 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
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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: Location/Tops/Logging - PCNM029N007W17NW1 FCNM029N007W17NW1 Have topo to north, only existing well is MV/DK drilled in 1981 so should be OK to twin, twin 86A, else prefer E,D,F,C.

Zones - PCNM029N007W17NW1 FCNM029N007W17NW1

LATITUDE: 36.72844°N
 LONGITUDE: 107.59987°W
 DATUM: NAD 83

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

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 29-7 UNIT 587

1725' FNL & 1015' FWL

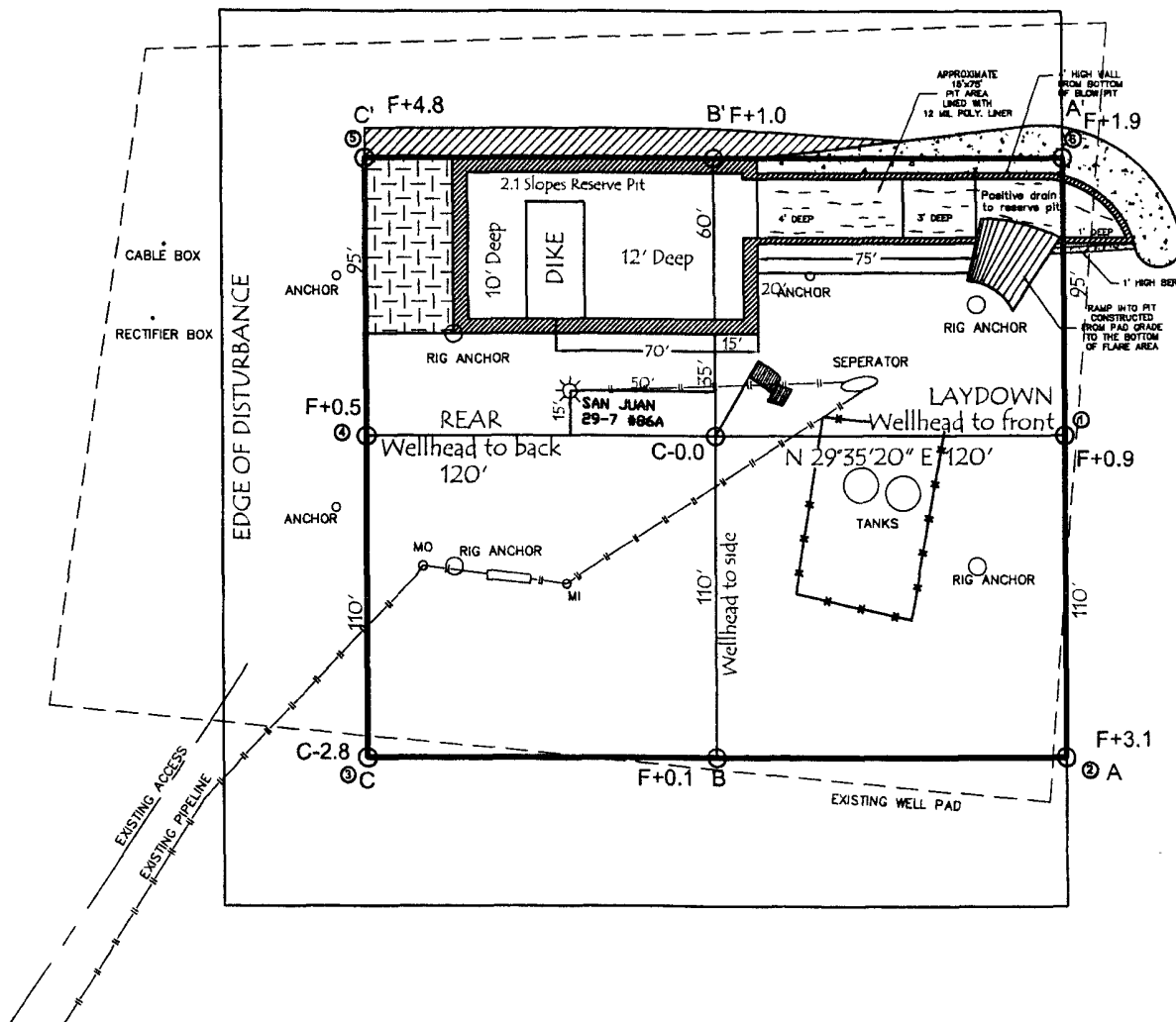
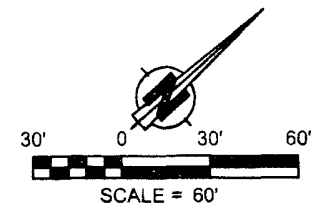
LOCATED IN THE SW/4 NW/4 OF SECTION 17,

T29N, R7W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEVATION: 6789', NAVD 88

FINISHED PAD ELEVATION: 6789.1', NAVD 88



305' x 290' = 2.03 ACRES OF DISTURBANCE

SCALE: 1" = 60'

JOB No.: COPC083

DATE: 07/13/07

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.

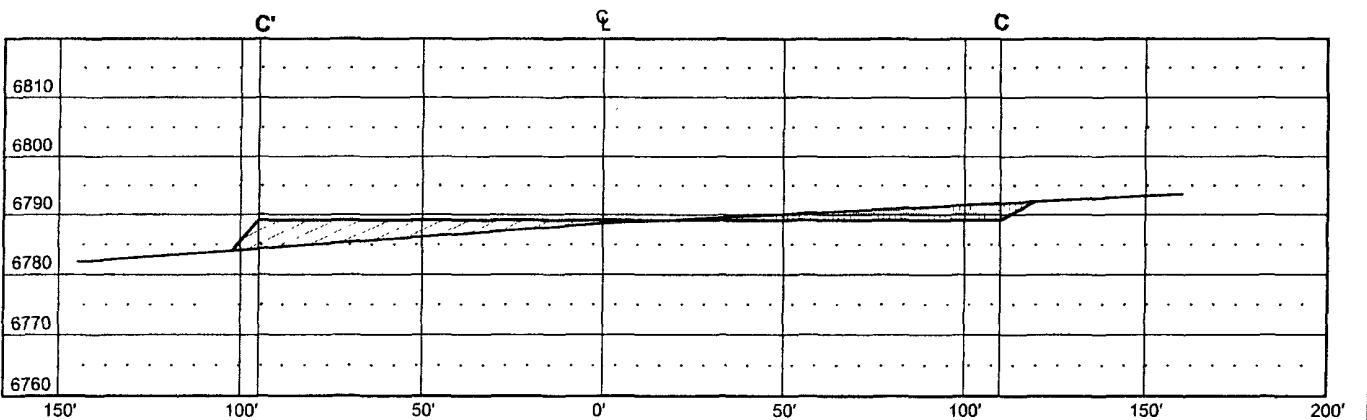
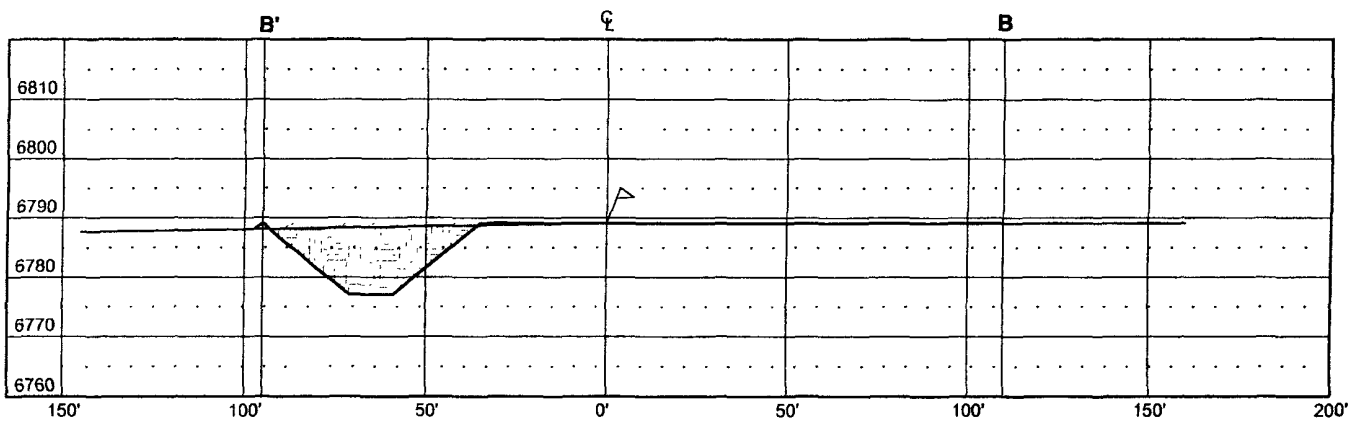
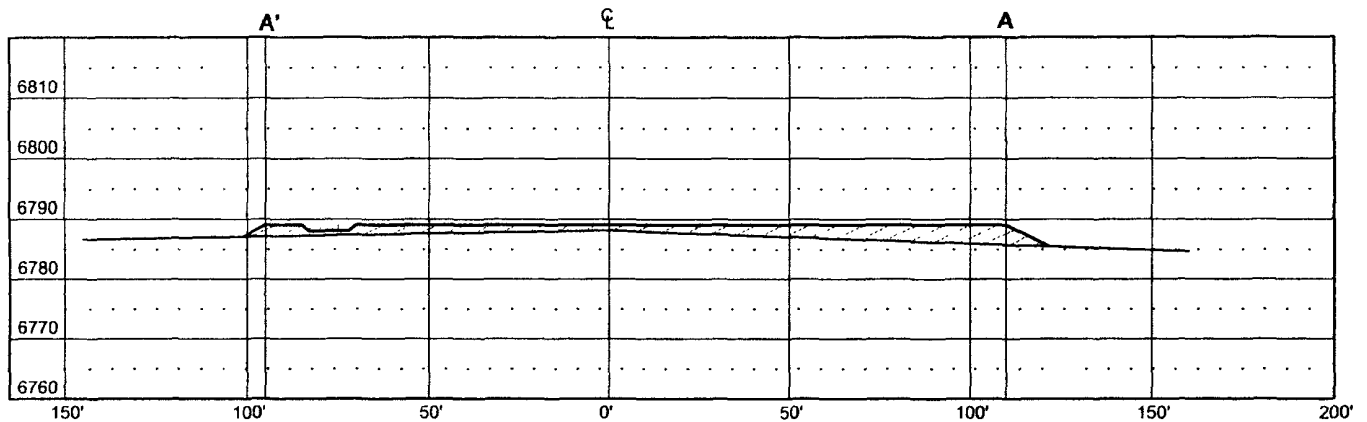


Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

LATITUDE: 36.72844°N
LONGITUDE: 107.59987°W
DATUM: NAD 83

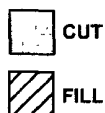
BURLINGTON RESOURCES O&G CO LP

SAN JUAN 29-7 UNIT 587
1725' FNL & 1015' FWL
LOCATED IN THE SW/4 NW/4 OF SECTION 17,
T29N, R7W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
GROUND ELEVATION: 6789', NAVD 88
FINISHED PAD ELEVATION: 6789.1', NAVD 88



THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

VERT. SCALE: 1" = 30'
HORZ. SCALE: 1" = 50'
JOB No.: COPC084
DATE: 07/14/07



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