

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL

RECEIVED

MAR 04 2008

Bureau of Land Management
Farmington Field Office

5. Lease Number
SF-078200-A
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

RCVD MAR 20 '08
OIL CONS. DIV.

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499

(505) 326-9700

8. Farm or Lease Name
Grambling C DIST. 3
9. Well Number
#202S

4. Location of Well
Surf: Unit P(SESE), 731' FSL & 906' FEL

10. Field, Pool, Wildcat
Basin Fruitland Coal

Surf: Latitude 36.80688° N
Longitude 107.84791° W

Lot 16

11. Sec., Twn, Rge, Mer. (NMPM)
p Sec. 14, T30N, R10W

API # 30-045-34621

14. Distance in Miles from Nearest Town
9 miles/Aztec

12. County
San Juan
13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
731'

16. Acres in Lease
1,070.92

17. Acres Assigned to Well
313.36 Acres - (E/2)

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
52' from Grambling C #1A - MV/DK

19. Proposed Depth
3158'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6320' GR

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: Crystal Walker
Crystal Walker (Regulatory Technician)

3/3/08
Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE [Signature]

DATE 3/19/08

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

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

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'.

NMOCD

MAR 24 2008

DISTRICT I
1825 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

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

MAR 04 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34621	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 7056	⁵ Property Name GRAMBLING C	⁶ Well Number 202 S.
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6320'

¹⁰ Surface Location

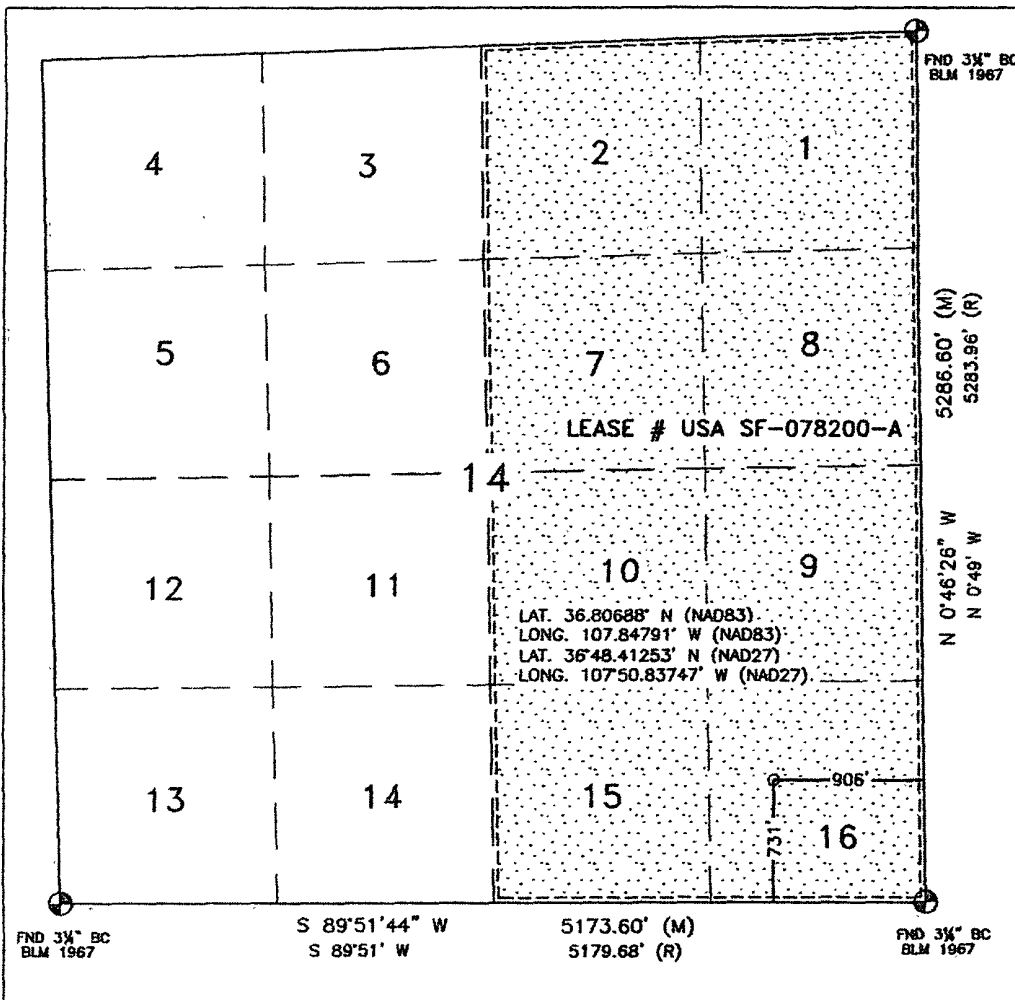
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	30N	10W	16	731'	SOUTH	906'	EAST	SAN JUAN

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
P									
¹² Dedicated Acres 313.36 Acres - (E/2)			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.

Sasha Spangler 12-10-07
Signature Date

Sasha Spangler
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.

NOVEMBER 12, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

Submit 3 Copies To Appropriate District
Office
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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION

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

WELL API NO.	30-045- 34621
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	SF-078200-A
7. Lease Name or Unit Agreement Name	Grambling C
8. Well Number	#202S
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 & GAS COMPANY LP

3. Address of Operator
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location
Unit Letter P : 731 feet from the South line and 906 feet from the East line
Section 14 Township 30N Rng 10W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6320' GR

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 <100'

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 ☐

OTHER: New Drill Pit ☒

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 Crystal Walker TITLE Regulatory Technician DATE 2/21/2008

Type or print name Crystal Walker E-mail address: crystal.walker@congcophillips.com Telephone No. 505-326-9837

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAR 24 2008

Conditions of Approval (if any):

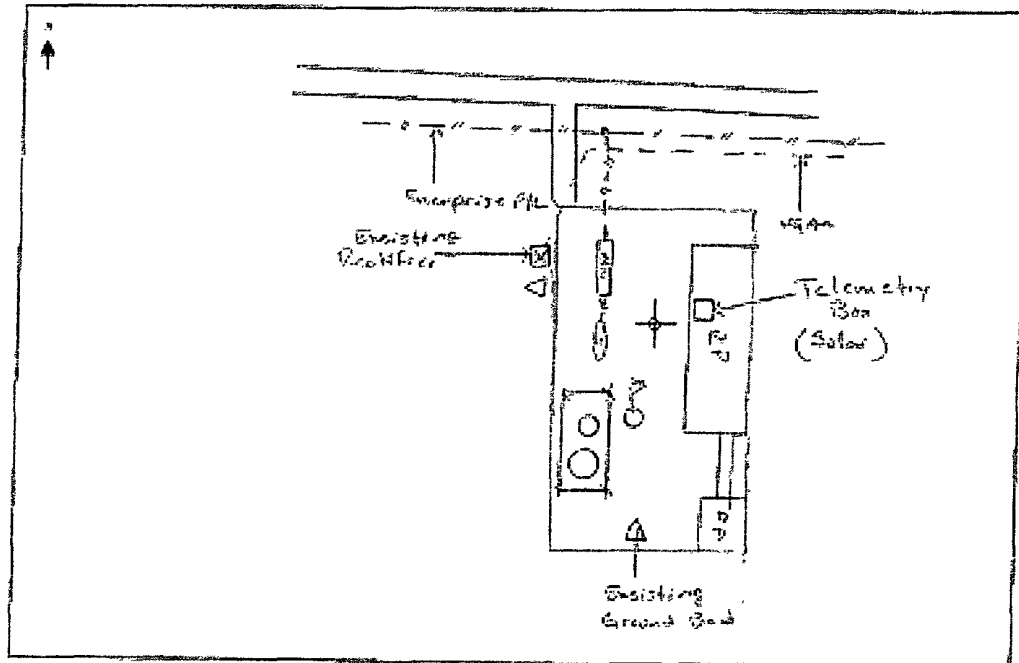


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Frontier 2-2005 LEGALS P-14-3040 COUNTY Santa Fe

PURPOSED C.P. SYSTEM: Upgrade existing rectifier and drill new R.R. to S of rectifier trench approx. 200' at 4% negative from present wellhead to rectifier. Rectifier magnitude is ± 10 if necessary



COMMENTS: 20' hole on the ground. Rectifier down (can 300) 2 negative legs

NEAREST POWER SOURCE Existing Rectifier DISTANCE: Some Rd

PIPELINES IN AREA: Enterprise

TECHNICIAN: John H. Hines DATE: 12/5/87

PROJECT PROPOSAL - New Drill / Sidetrack

GRAMBLING C 202S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7406		AFE \$: 258,888.63	
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
R20001	FRUITLAND COAL(R20001)

Location: Datum Code: NAD 27

Latitude: 36.806876	Longitude: -107.847291	X:	Y:	Section: 14	Range: 010W
Footage X: 906 FEL	Footage Y: 731 FSL	Elevation: 6320 (FT)	Township: 030N		
Tolerance:					

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

Formation Data: Assume KB = 6332 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6212	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1628	4704	<input type="checkbox"/>			
KIRTLAND	1783	4549	<input type="checkbox"/>			
FRUITLAND	2495	3837	<input type="checkbox"/>	400	Gas	
FRUITLAND COAL	2713	3619	<input type="checkbox"/>			
PICTURED CLIFFS	2958	3374	<input type="checkbox"/>		Gas	
Total Depth	3158	3174	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 485 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	Grambling C #9	

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:

LATITUDE: 36.80688°N
 LONGITUDE: 107.84791°W
 DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

GRAMBLING C # 202 S

731' FSL & 906' FEL

LOCATED IN THE SE/4 SE/4 OF SECTION 14,

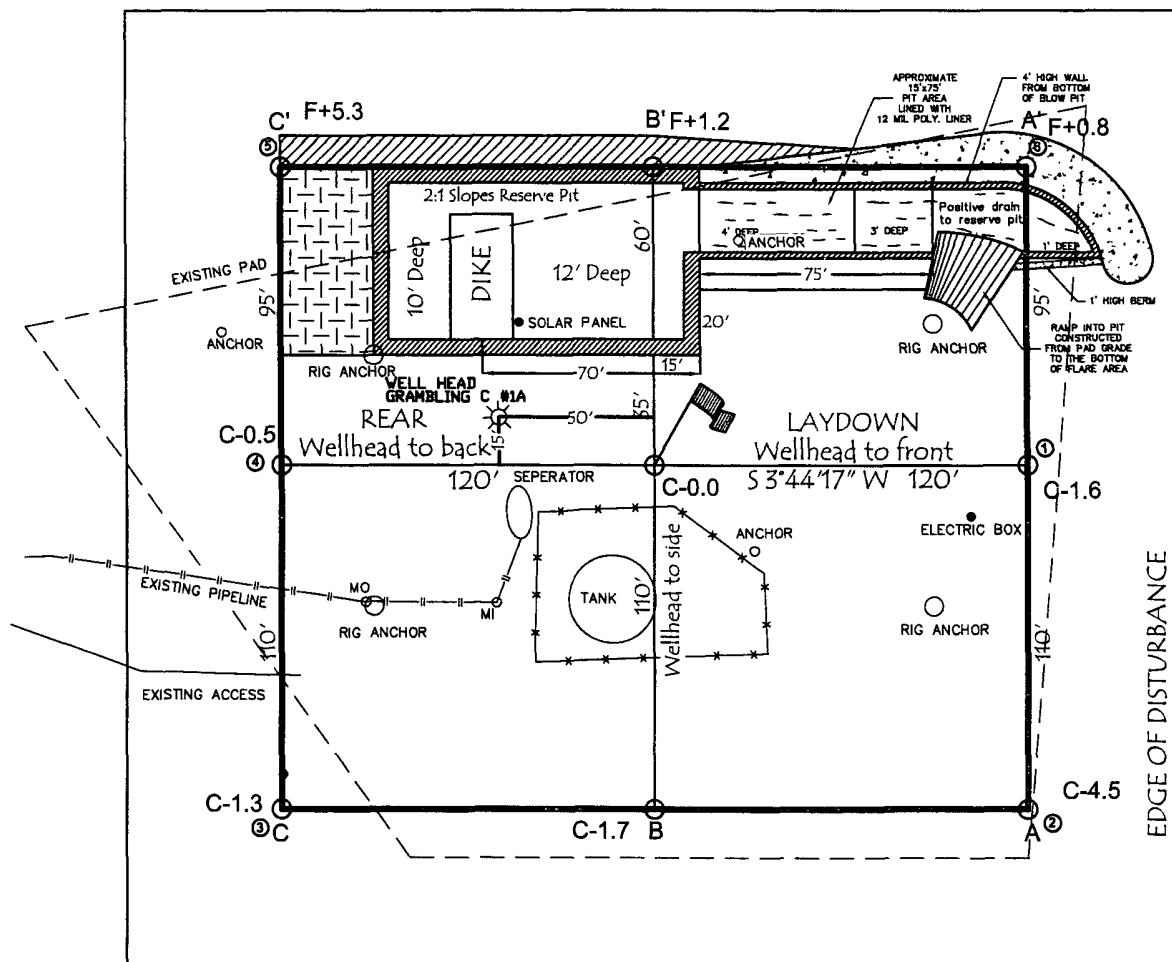
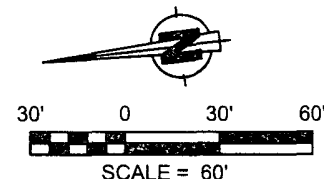
T30N, R10W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6320', NAVD 88

FINISHED PAD ELEVATION: 6320.1', NAVD 88

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



305' x 340' = 2.38 ACRES OF DISTURBANCE
 SCALE: 1" = 60'
 JOB No.: COPC129
 DATE: 11/27/07

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.

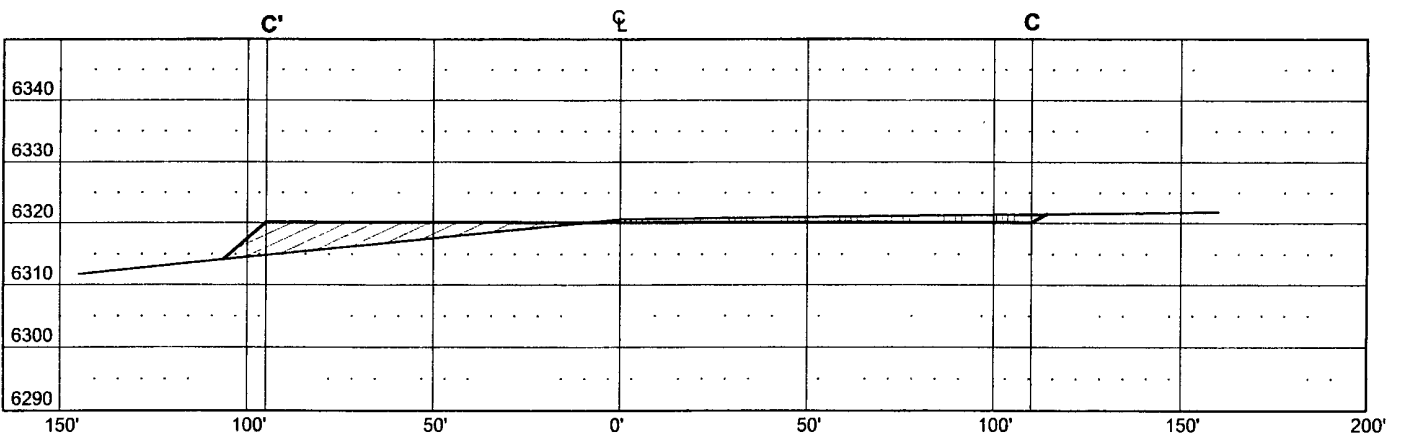
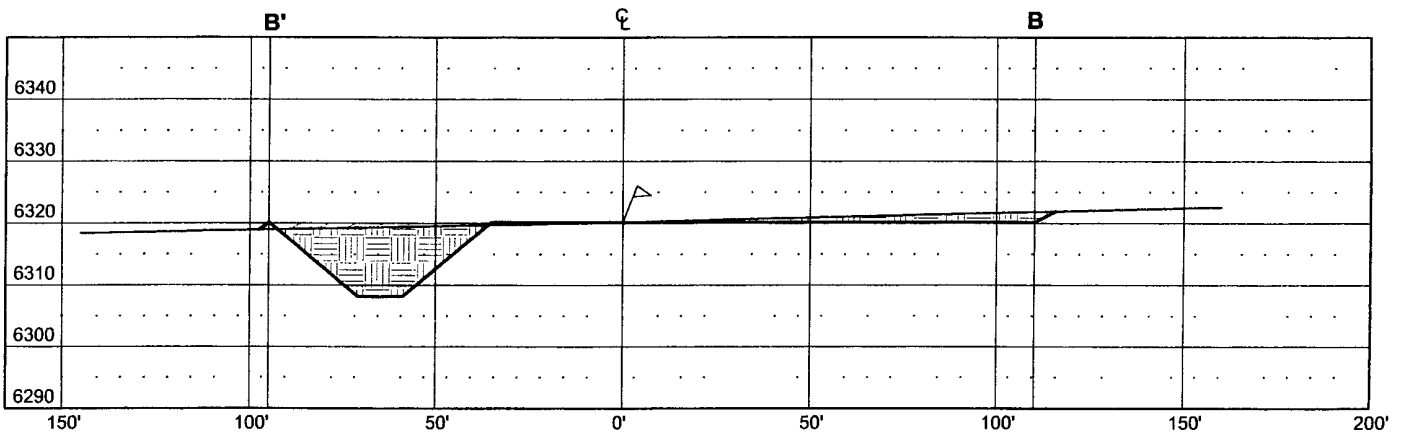
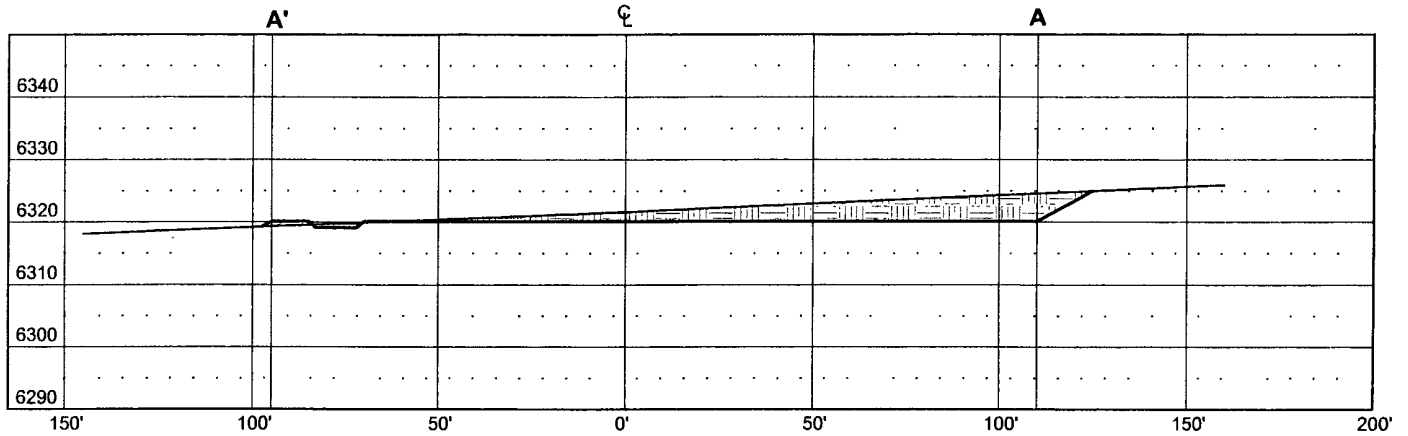


Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

LATITUDE: 36.80688°N
LONGITUDE: 107.84791°W
DATUM: NAD 83

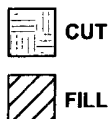
BURLINGTON RESOURCES O&G CO LP

GRAMBLING C # 202 S
731' FSL & 906' FEL
LOCATED IN THE SE/4 SE/4 OF SECTION 14,
T30N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6320', NAVD 88
FINISHED PAD ELEVATION: 6320.1', 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.: COPC129
DATE: 11/26/07



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