

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD OCT 5 '07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED SEP 18 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-079266
1b. Type of Well GAS		Unit Reporting Number 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 Vaughn 9. Well Number #13P
4. Location of Well Unit G(SWNE), 1850' FNL & 1980' FEL Latitude 36° 27.59824 N Longitude 107° 27.21322 W		10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 27, T26N, R6W API # 30-039-30359
14. Distance in Miles from Nearest Town 34 mile/Blanco		12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1850'		
16. Acres in Lease 2560		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 390' from Vaughn 19		
19. Proposed Depth 7524' Rotary		20. Rotary or Cable Tools
21. Elevations (DF, FT, GR, Etc.) 6715' GL		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Rhonda Rogers</i> Rhonda Rogers (Regulatory Technician)		9-18-07 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY *[Signature]*

TITLE *ARM*

DATE *10/4/07*

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 4

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD

OCT 18 2007

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

NOTIFY AZTEC OGD 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

SEP 18 2007

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

Bureau of Land Management
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30359	² Pool Code 71599/ 72319	³ Pool Name BLANCO MESA VERDE/BASIN DAKOTA
⁴ Property Code 7623	⁵ Property Name VAUGHN	⁶ Well Number 13P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6715'

¹⁰ Surface Location

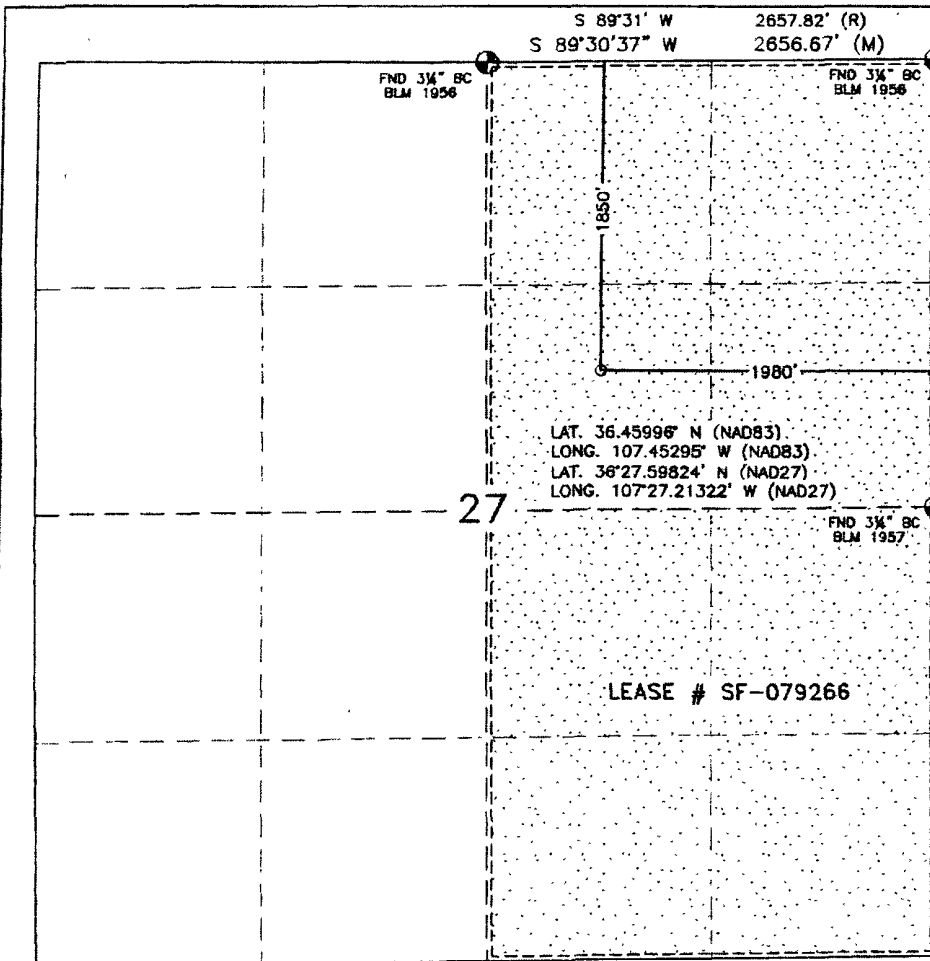
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	27	26N	6W		1850'	NORTH	1980'	EAST	RIO ARriba

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
G									
¹² Dedicated Acres MV/DK 320.00 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 released 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 7/26/07
Signature Date

Patsy Clugston
Printed Name

18 SURVEYOR CERTIFICATION

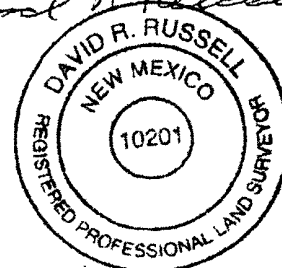
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUNE 20, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number 10201

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039- 303559

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #SF-079266

7. Lease Name or Unit Agreement Name

Vaughn

8. Well Number

#13P

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

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 G : 1850' feet from the North line and 1980' feet from the East line
 Section 27 Township 26N Rng 6W NMPM County Rio Arriba

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

6715'

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:

NA

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 ☐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, Unlined:

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, vent/flare pit and pre-set mud pit will be unlined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCDC office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, 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 NMOCDC 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 NMOCDC guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

9-18-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

OCT 18 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VAUGHN 13P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7206				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 301		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface		Datum Code: NAD 27				Straight Hole	
Latitude: 36.459939	Longitude: -107.452346	X:	Y:	Section: 27		Range: 006W	
Footage X: 1980 FEL		Footage Y: 1850 FNL		Elevation: 6715 (FT)	Township: 026N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6731 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	6411	<input type="checkbox"/>			12-1/4" hole. 8- 5/8", 24 ppf, J-55, STC casing. Cement with 319 cu ft. Circulate cement to surface.	
OJAM	2384	4347	<input type="checkbox"/>				
KRLD	2530	4201	<input type="checkbox"/>				
FRLD	2636	4095	<input type="checkbox"/>			Possible Gas	
PCCF	3002	3729	<input type="checkbox"/>				
LEWS	3121	3610	<input type="checkbox"/>				
CHRA	3859	2872	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	4649	2082	<input type="checkbox"/>	652		Gas	
MENF	4690	2041	<input type="checkbox"/>				
PTLK	5202	1529	<input type="checkbox"/>				
MNCS	5554	1177	<input type="checkbox"/>				
GLLP	6293	438	<input type="checkbox"/>				
GRHN	7141	-410	<input type="checkbox"/>				
GRRS	7196	-465	<input type="checkbox"/>				
TWLS	7246	-515	<input type="checkbox"/>	2494		Gas	
PAGU	7320	-589	<input type="checkbox"/>			Gas	
CBRO	7352	-621	<input type="checkbox"/>				
CBRL	7386	-655	<input type="checkbox"/>				
OAK CANYON	7414	-683	<input type="checkbox"/>				
ENCINAL	7464	-733	<input type="checkbox"/>				
TOTAL DEPTH DK	7524	-793	<input type="checkbox"/>			7-7/8" Hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 2241 cu ft. Circulate cement to surface.	
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Vaughn 13		NE 27-26N-6W				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

VAUGHN 13P

DEVELOPMENT

Logging Program:			
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, MUDLOG 100' above GRHN toTD							

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM026N006W27NE2 DK 26N06W27NE2 Much of 1/4 section in BLM wildlife project area, avoid A, prefer G,B,H, do not twin #19 (~800' to SW of existing). MUDLOG 100' above GRHN toTD

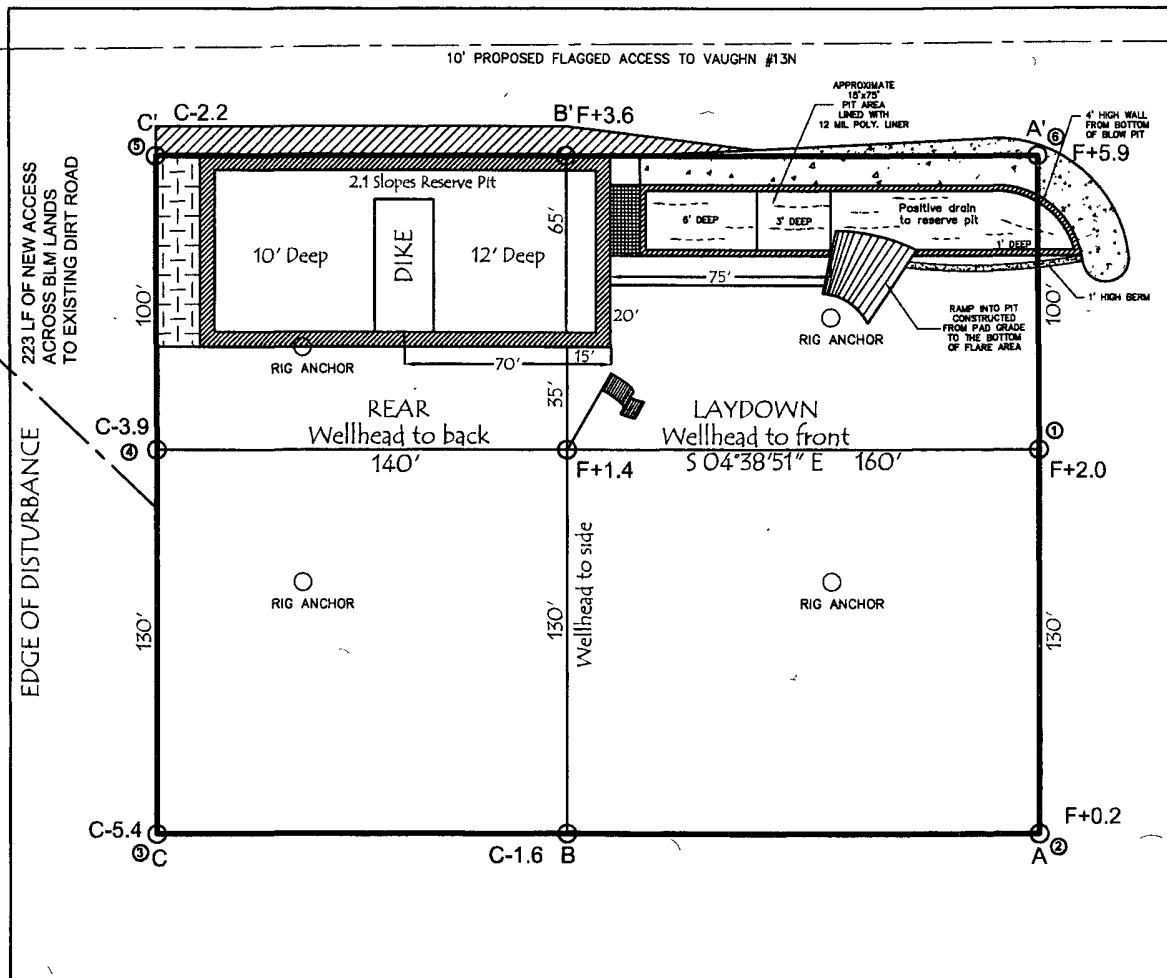
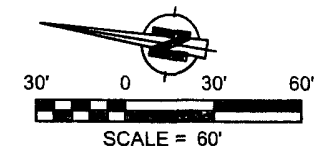
Zones - MVNM026N006W27NE2 DK 26N06W27NE2

LATITUDE: 36.45996°N
 LONGITUDE: 107.45295°W
 DATUM: NAD 83

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

BURLINGTON RESOURCES O&G CO LP

VAUGHN #13P
 1850' FNL & 1980' FEL
 LOCATED IN THE SW/4 NE/4 OF SECTION 27,
 T26N, R6W, N.M.P.M.,
 RIO ARRIBA COUNTY, NEW MEXICO
 GROUND ELEVATION: 6715', NAVD 88
 FINISHED PAD ELEVATION: 6715.9', NAVD 88



330' x 400' = 3.03 ACRES OF DISTURBANCE
 SCALE: 1" = 60'
 JOB No.: COP082
 DATE: 07/17/07

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.

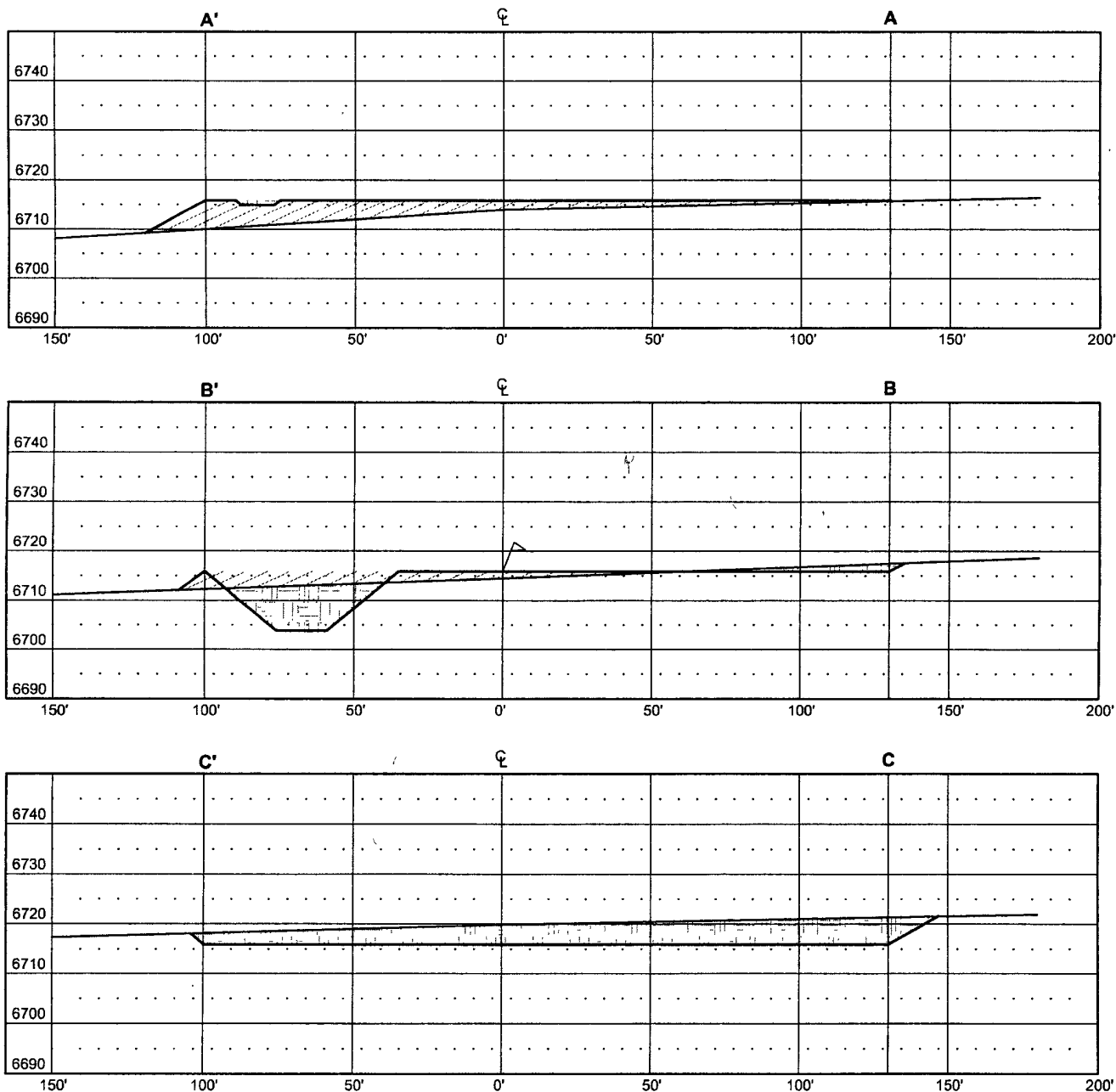


Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

LATITUDE: 36.45996°N
LONGITUDE: 107.45295°W
DATUM: NAD 83

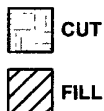
BURLINGTON RESOURCES O&G CO LP

VAUGHN #13P
1850' FNL & 1980' FEL
LOCATED IN THE SW/4 NE/4 OF SECTION 27,
T26N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
GROUND ELEVATION: 6715', NAVD 88
FINISHED PAD ELEVATION: 6715.9', 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.: COP082
DATE: 07/17/07



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
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