

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 15 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 05 2008	5. Lease Number SF-078125-B Unit Reporting Number
1b. Type of Well GAS	Bureau of Land Management Farmington Field Office	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 Pierce A 9. Well Number #210S
4. Location of Well Unit O (SWSE), 838' FSL & 1714' FEL, Latitude 36.80706'N Longitude 107.83297' W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec. 13, T30N, R10W API # 30-045- 34591
14. Distance in Miles from Nearest Town 11mile/Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 838'		
16. Acres in Lease 314.220 acres	17. Acres Assigned to Well FC - 314.22 S/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' Pierce A #1A (MV)		
19. Proposed Depth 3244' GL	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6382' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Clugston</u> Patsy Clugston, Regulatory Specialist	<u>2/14/08</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY D. Mantecor TITLE AFM DATE 2/14/08

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

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

FEB 18 2008

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.8
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

FEB 05 2008

DISTRICT 1
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department
Bureau of Land Management

FEB 09 2006
Form C-102
Revised October 12, 2005

Form C-102

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

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

OIL CONSERVATION DIVISION

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87506

State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 34591	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 7389	⁵ Property Name PIERCE A	⁶ Well Number 210 S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6382'

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
0	13	30N	10W	15	838'	SOUTH	1714'	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
0									
¹² Dedicated Acres 314.22 pres - (S/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

18

4 3 2 1

5 6 7 8

13

12 11 10 9

LAT. 36.80706° N (NAD83)
LONG. 107.83297° W (NAD83)
LAT. 36°48.42333' N (NAD27)
LONG. 107°49.94110' W (NAD27)

LEASE # USA/SF-D78125-B

13 14 15 16

PIERCE A #1A

1714'

838'

N 89°15'30" W
N 89°14' W

2586.03' (M)
2583.24' (R)

FND 3 1/4" BC
BLM 1951

FND 3 1/4" BC
BLM 1967

2639.17' (M)
2639.34' (R)

N 0°04'37" E
N 0°05' E

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.

Signature Sasha Spang Date 11-14-07

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.

OCTOBER 11, 2007

Date of Survey _____

Signature and Seal of Professional Surveyor:

W. Russell



DAVID RUSSELL

Certificate Number 10201

District I

Energy, Minerals and Natural Resources

May 27, 2004

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.	30-045-34591
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Pierce A
8. Well Number	#210S
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 O : 838 feet from the South line and 1714 feet from the East line
Section 13 Township 30N Rng 10W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6382' 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 >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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: New Drill Pit ☒ 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 1/21/2008

Type or print name Crystal Walker E-mail address: tal.walker@conocophillips Telephone No. 505-326-9837

For State Use Only

**Deputy Oil & Gas Inspector,
District #3**

APPROVED BY [Signature] TITLE DATE FEB 18 2008

Conditions of Approval (if any):

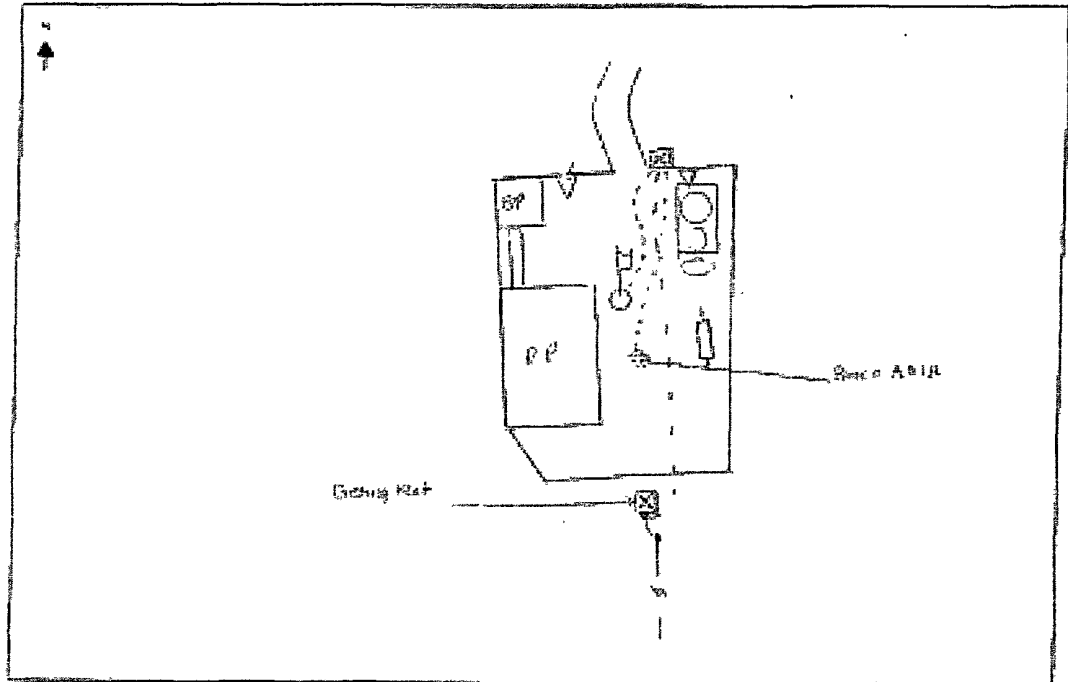


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Perce H #2809 LEGALS N-13-30-10 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill 68 and cathodic rectifier on NE side of location.
Trench approx 350' x 6" deep around well to contain. Trench approx 10' at 68
leg lines perpendicular to rectifier. Trench approx 30' at 68 and 10' for rectifier



SYMBOLS	METER RANGE	SS	POWER SOURCE	CABLE	WELL	CONNECTION

COMMENTS: 5.9v / 4.2A = 1.32 ohm 68 - ungrounded & alternate rectifier

NEAREST POWER SOURCE Fastway Station, Main Street DISTANCE: approx 100'

PIPELINES IN AREA: _____

TECHNICIAN: James H. Johnson DATE: 11/20/07

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

PIERCE A 210S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7390		AFE \$: 283,935.71	
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:	
Primary Objective (Zones):					
Zone	Zone Name				
JCV	BASIN FRUITLAND COAL (GAS)				
Location: Datum Code: NAD 27					
Latitude: 36.807056	Longitude: -107.832352	X:	Y:	Section: 13	Range: 010W
Footage X: 1714 FEL	Footage Y: 838 FSL	Elevation: 6382	(FT)	Township: 030N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 6394		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	120	6274	<input type="checkbox"/>		
OJO ALAMO	1735	4659	<input type="checkbox"/>		
KIRTLAND	1889	4505	<input type="checkbox"/>		
FRUITLAND	2514	3880	<input type="checkbox"/>	600	Gas
FRUITLAND COAL	2820	3574	<input type="checkbox"/>		
PICTURED CLIFFS	3044	3350	<input type="checkbox"/>		Gas
Total Depth	3244	3150	<input type="checkbox"/>		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 499 cuft. Circulate cement to surface.
Reference Wells:					
Reference Type	Well Name		Comments		

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

Comments:

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

PIERCE A #210-S

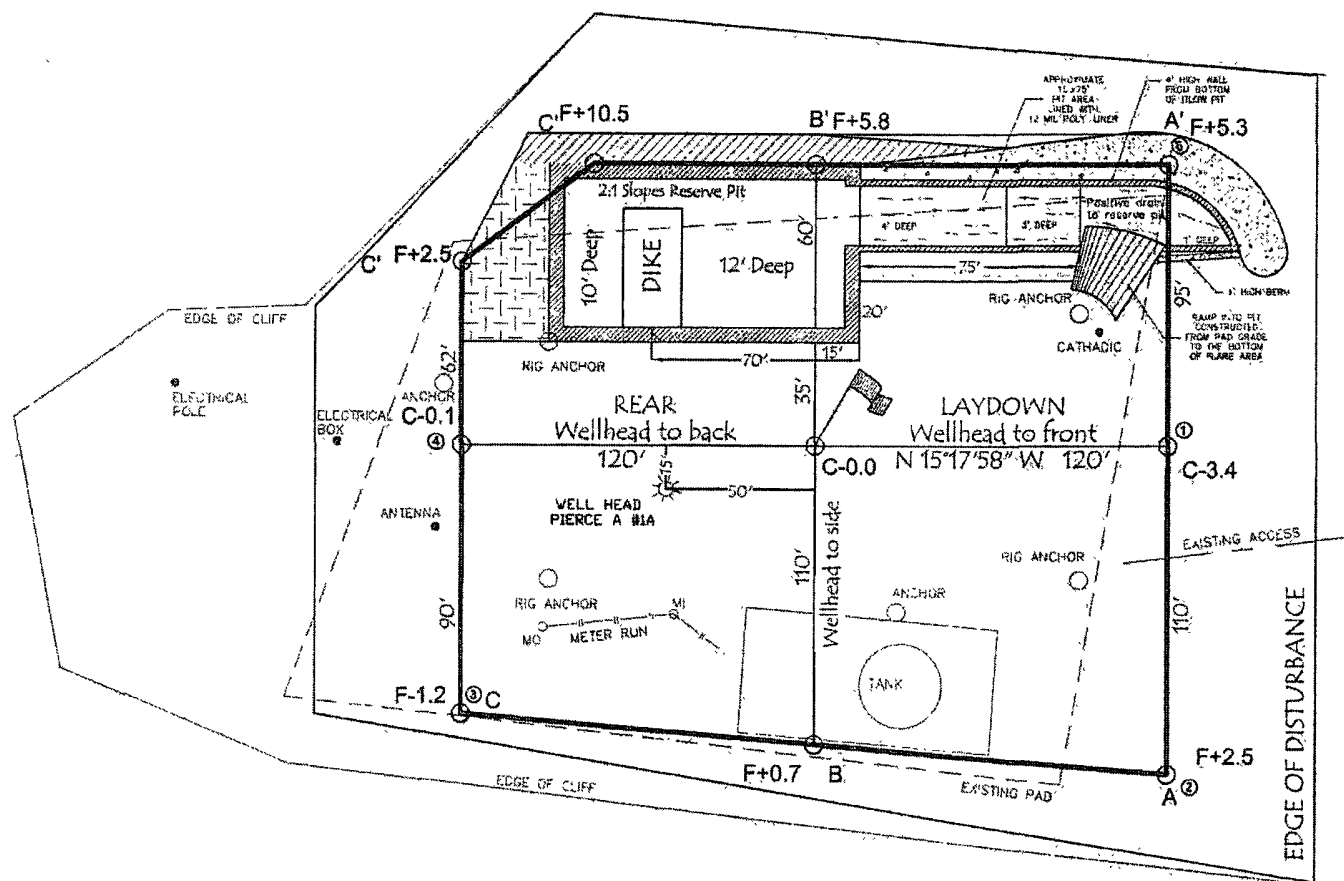
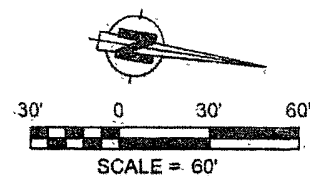
838' FSL & 1714' FEL

LOCATED IN THE SW/4 SE/4 OF SECTION 13,
T30N, R10W, N.M.P.M..

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6382'. NAVD 88

FINISHED PAD ELEVATION: 6381.5' NAVD 88



DATE: 11/06/06

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.

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.

(505) 334-8637



BURLINGTON RESOURCES O&G CO LP

PIERCE A #210 S

838' FSL & 1714' FEL

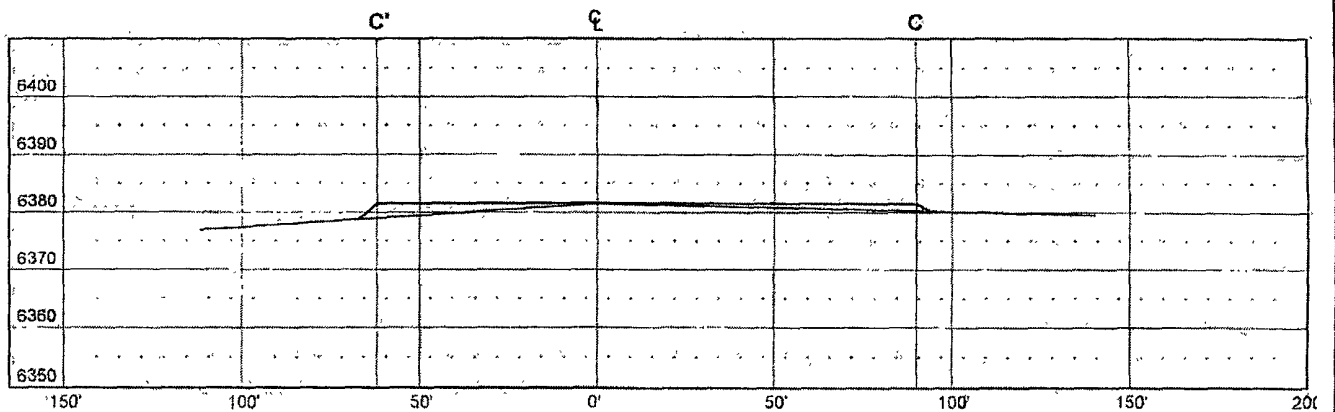
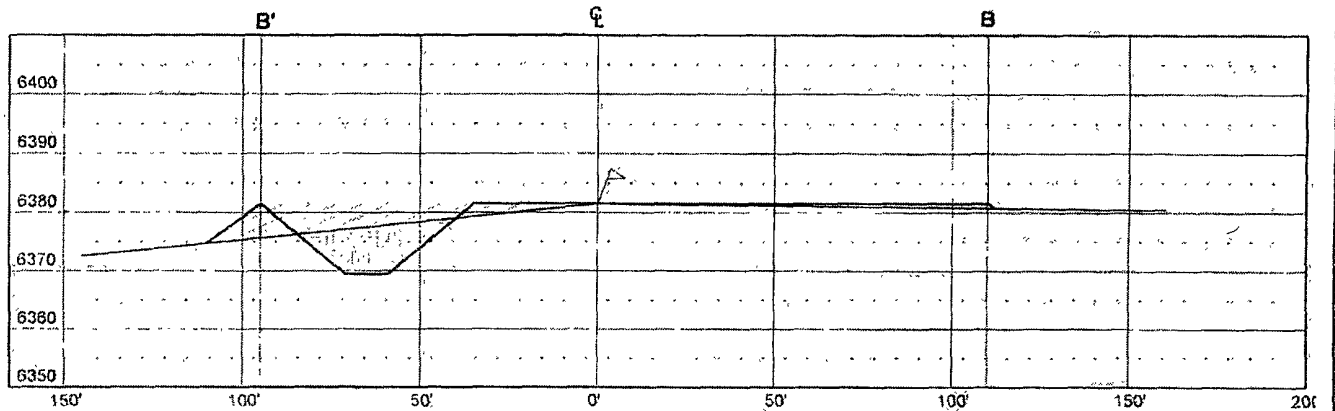
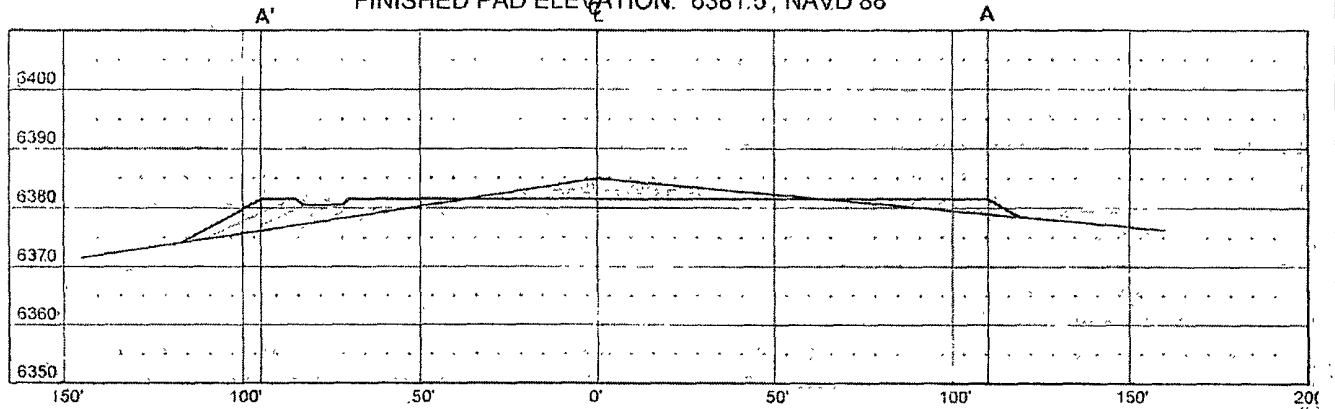
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T30N, R10W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO


GROUND ELEVATION: 6382', NAVD 88


FINISHED PAD ELEVATION: 6381.5', 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'
HORIZ. SCALE: 1" = 50'
JOB No.: COPC120
DATE: 11/06/07

 CUT

 FILL

~~RS~~

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