

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV.
DIST. 3


APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 21 2008	5. Lease Number SF-078138A
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips	Bureau of Land Management Farmington Field Office	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Storey B LS 9. Well Number #100S
4. Location of Well Unit L (NWSW), 2150' FSL & 735' FWL, Latitude 36.83999° N Longitude 108.02044° W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 5, T30N, R11W API # 30-045-34598
14. Distance in Miles from Nearest Town 3 miles/Aztec		12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 735'		
16. Acres in Lease 478.630		17. Acres Assigned to Well 318.39 Acres (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500' from Storey B LS #3		
19. Proposed Depth 2395'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5748' 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: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)		<u>2/21/08</u> Date

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE Petr. Eng / Acting AFM DATE 3/17/08
[Signature]

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 ES-0048 and ES-0085  H₂S POTENTIAL EXIST

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

MAR 24 2008 NMOCD 8
 AV

NOTICE AFTER 60 DAYS PRIOR TO CASING & CEMENT
 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and 43 CFR 3165.4

DISTRICT I
1626 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
1901 W. Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION **RECEIVED**
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

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

FEB 21 2008 AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION ^{id} ^{PLAT} ^{ment} ^{ance}

*API Number 30-045-34598		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 31846	*Property Name STOREY B LS		*Well Number 100 S
*OGRD No. 217817	*Operator Name CONOCO PHILLIPS, COMPANY		*Elevation 5748'

¹⁰ Surface Location

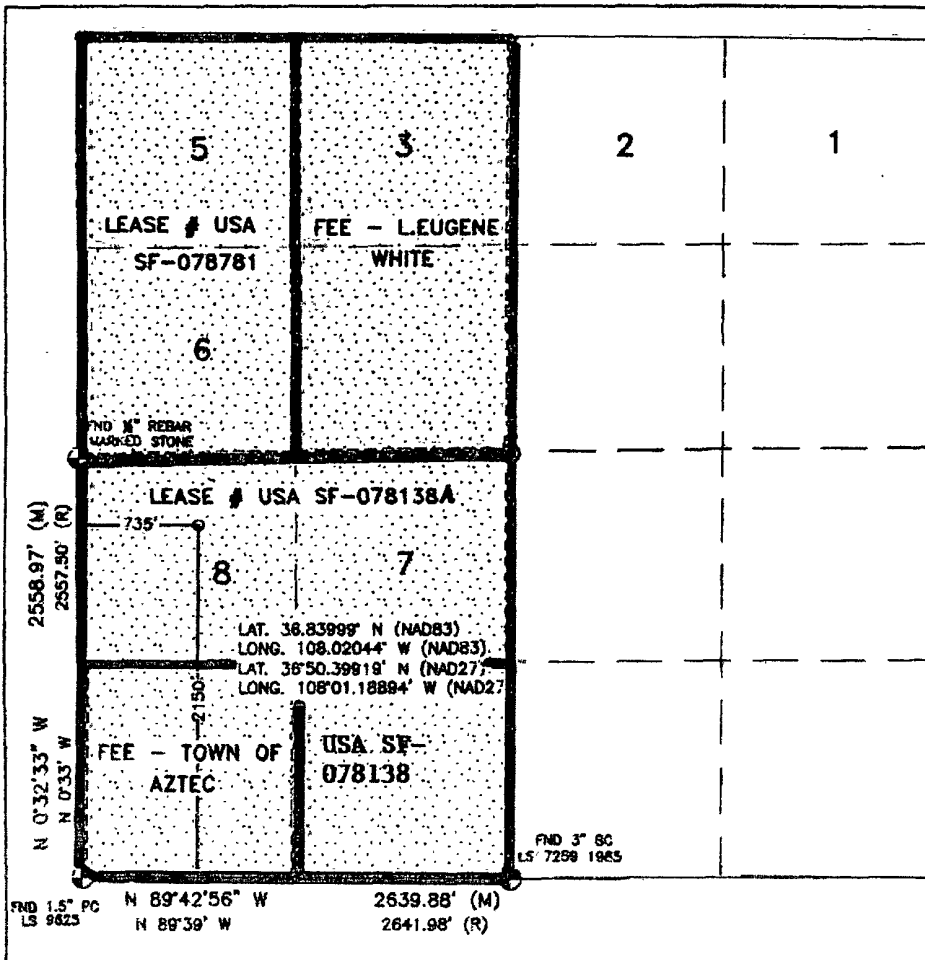
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	5	30N	11W	8	2150'	SOUTH	735'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L									
¹² Dedicated Acres 318.39 Acres - (W/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.

Rhonda Rogers
Signature Date
Rhonda Rogers 10-24-07

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 5, 2007

Date of Survey

Signature and Seal of Professional Surveyor

David H. Russell



DAVID RUSSELL

Certificate Number 10201

Submit 3 Copies To Appropriate District Office

State of New Mexico

Form C-103

District I
1625 N French Dr., Hobbs, NM 88240

Energy, Minerals and Natural Resources

May 27, 2004

District II
1301 W Grand Ave., Artesia, NM 88210

OIL CONSERVATION DIVISION

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

WELL API NO.	30-045-34598
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	USA SF-078138
7. Lease Name or Unit Agreement Name	Storey B LS
8. Well Number	#100S
9. OGRID Number	217817
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
ConocoPhillips

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

4. Well Location
Unit Letter L : 2150' feet from the South line and 735' feet from the West line
Section 5 Township 30N Rng 11W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5748' 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 1400'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 4400 bbls; Construction Material Synthetic

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <u>New Drill</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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:

ConocoPhillips proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit 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 2/15/2008

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

For State Use Only
APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #2 DATE MAR 24 2008

Conditions of Approval (if any):

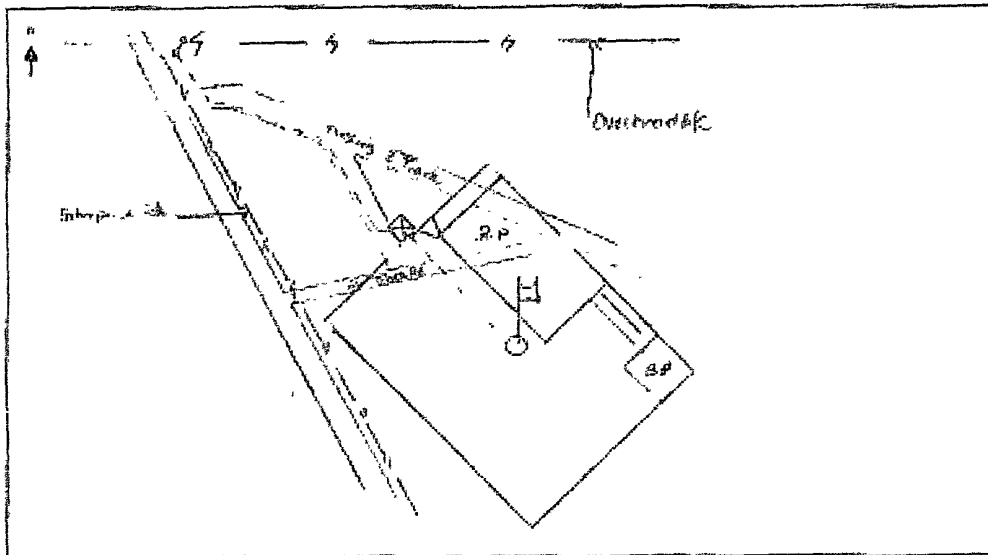


ENVIRONMENTAL SERVICES
& TECHNOLOGY COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Chap. BLS #1008 LEGALS L-5-30-11 COUNTY Santa Fe

PURPOSED C.P. SYSTEM: Drill 48" and set anode in N side of access. Set up anode
launch system and select area 450' of pipe from cathode to anode. There
will be 100' of pipe from proposed well to anode.



EXISTING WELLHEAD	WELL HOUSE	WEL	WELL HOUSE	C.P.S.	WELL	PIPELINE

COMMENTS: _____

NEAREST POWER SOURCE Domestic St. DISTANCE: 450'

PIPELINES IN AREA: Entrance A

TECHNICIAN: M. L. ... DATE: 10/1/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6053

AR

PROJECT PROPOSAL - New Drill / Sidetrack

STOREY B LS 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7322		AFE \$: 198,526.49	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM County: SAN JUAN	
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)

Location: Datum Code: NAD 27

Latitude: 36.839987	Longitude: -108.019816	X:	Y:	Section: 05	Range: 011W
Footage X: 735 FWL	Footage Y: 2150 FSL	Elevation: 5748 (FT)	Township: 030N		

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5760 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5640	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	798	4962	<input type="checkbox"/>			
KIRTLAND	918	4842	<input type="checkbox"/>			
FRUITLAND	1808	3952	<input type="checkbox"/>			Gas
PICTURED CLIFFS	2195	3565	<input type="checkbox"/>	300		Gas
Total Depth	2395	3365	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 368 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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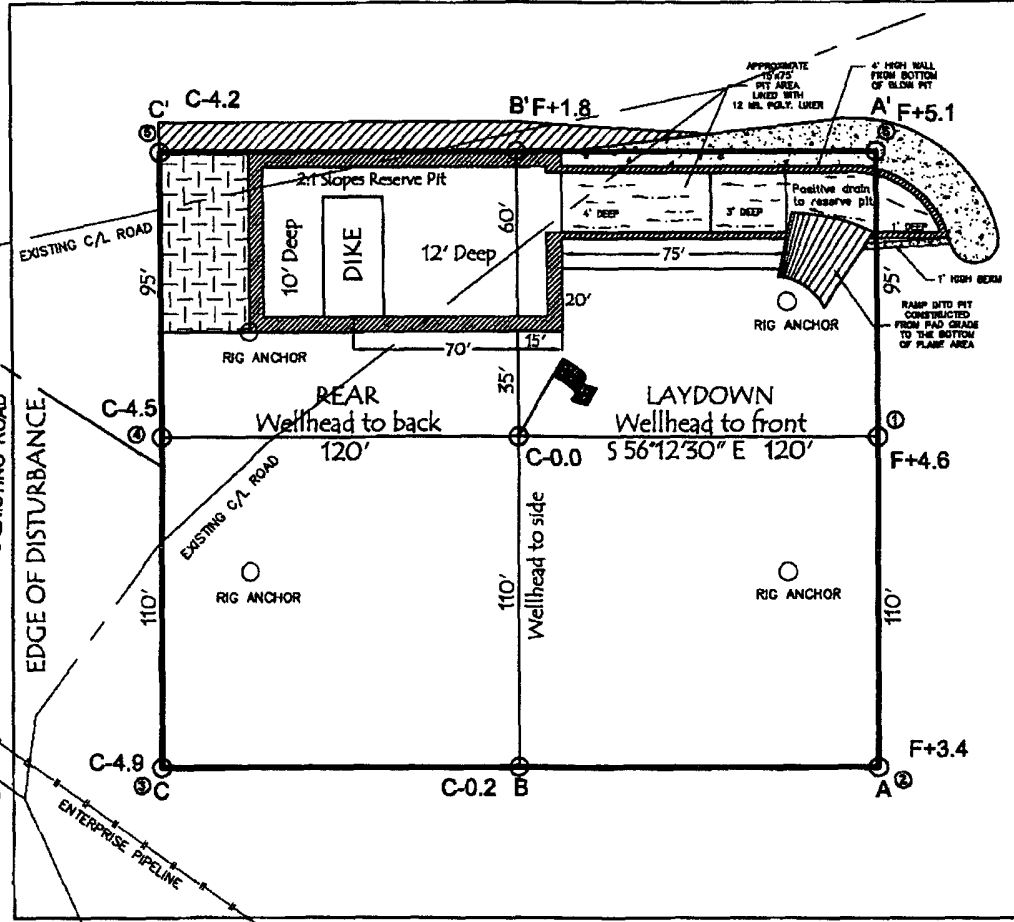
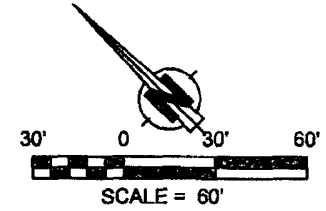
Comments:

LATITUDE: 36.83999°N
 LONGITUDE: 108.02044°W
 DATUM: NAD 83

CONOCO PHILLIPS, COMPANY

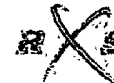
STOREY B LS #100 S
 2150' FSL & 735' FWL
 LOCATED IN THE NW/4 SW/4 OF SECTION 5,
 T30N, R11W, N.M.P.M.,
 SAN JUAN COUNTY, NEW MEXICO
 GROUND ELEVATION: 5748', NAVD 88
 FINISHED PAD ELEVATION: 5748.2', NAVD 88

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.: COPC116
 DATE: 10/17/07

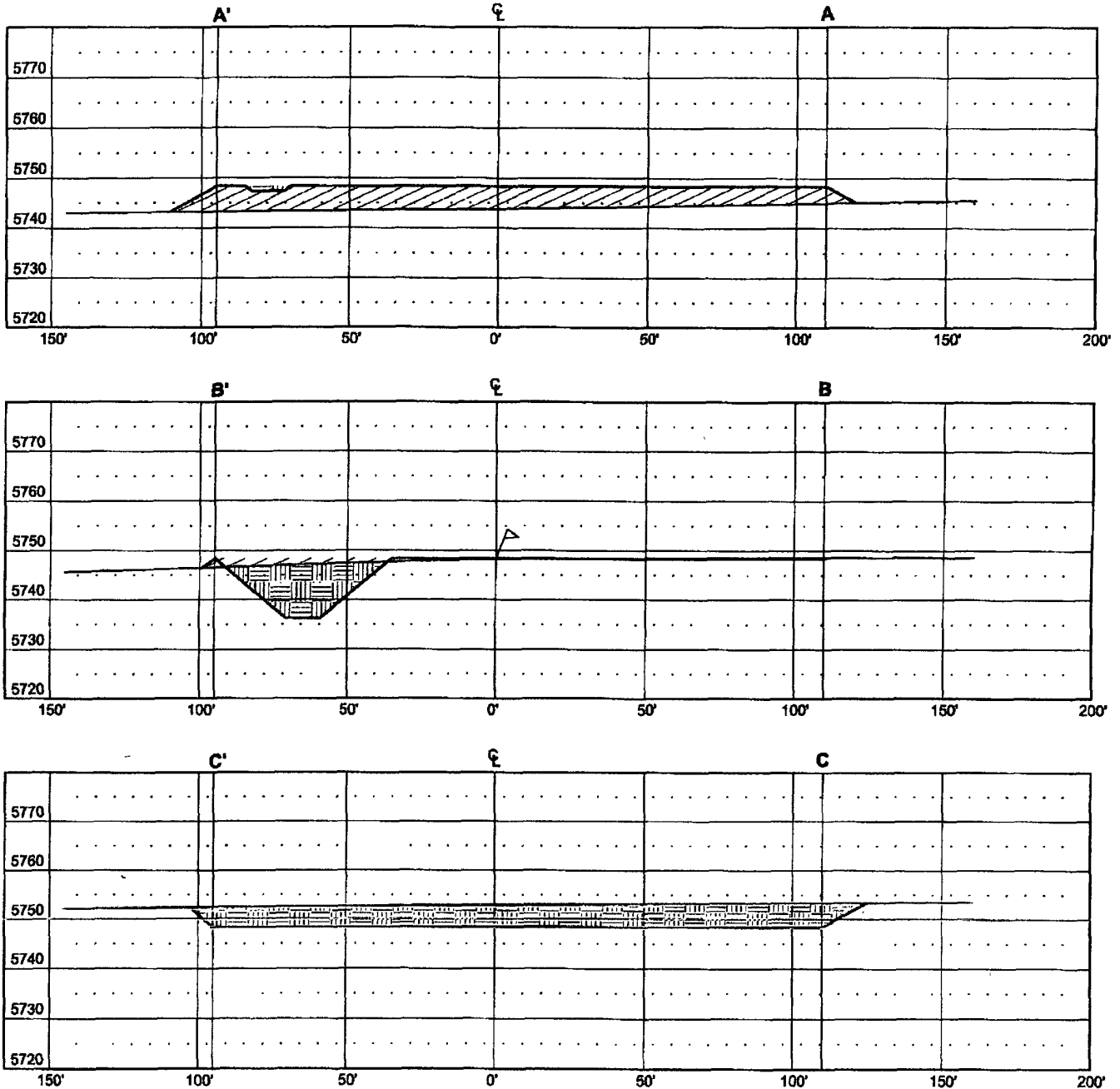
NOTE:
 RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR
 CABLES ON WELL PAD, IN CONSTRUCTION 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: 36.83999°N
 LONGITUDE: 108.02044°W
 DATUM: NAD 83

CONOCO PHILLIPS, COMPANY
 STOREY B LS #100 S
 2150' FSL & 735' FWL
 LOCATED IN THE NW/4 SW/4 OF SECTION 5,
 T30N, R11W, N.M.P.M.,
 SAN JUAN COUNTY, NEW MEXICO
 GROUND ELEVATION: 5748', NAVD 88
 FINISHED PAD ELEVATION: 5748.2', 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.: COPC116
 DATE: 10/17/07

 CUT
 FILL



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