

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	<b>RECEIVED</b> SEP 13 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-077107-C Unit Reporting Number NMNM-93588-DK NMNM-97715-MV
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips	7. Unit Agreement Name RCVD OCT 15 '07 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Storey C LS 9. Well Number #13M	
4. Location of Well Unit F (SENW), 1795' FNL & 1840' FWL, Latitude 36° 37.24635 N Longitude 107° 47.76325 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 33, T28N, R9W API # 30-045-34428	
14. Distance in Miles from Nearest Town 15 miles / Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1795'	17. Acres Assigned to Well DK 320 (W/2)/MV 320 (N/2) NW 34 8' 337.35	
16. Acres in Lease 160.00	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 320' from Michener 1-B	
19. Proposed Depth 7544'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6842' GL	22. 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: Rhonda Rogers (Regulatory Technician) 9-12-07 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 3

Bond Numbers ES-0048 and ES-0085

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 OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

OIL CONSERVATION DIVISION

1220 South St. Francis Dr  
Santa Fe, NM 87505

RECEIVED

SEP 13 2007

Bureau of Land Management  
Farmington Field Office

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045- 34428	<sup>2</sup> Pool Code 71599/72319	<sup>3</sup> Pool Name BASIN DAKOTA/BLANCO MESAVERDE
<sup>4</sup> Property Code 31848	<sup>5</sup> Property Name STOREY C LS	<sup>6</sup> Well Number 13 M
<sup>7</sup> GRID No. 217817	<sup>8</sup> Operator Name CONOCO PHILLIPS, COMPANY	<sup>9</sup> Elevation 6842'

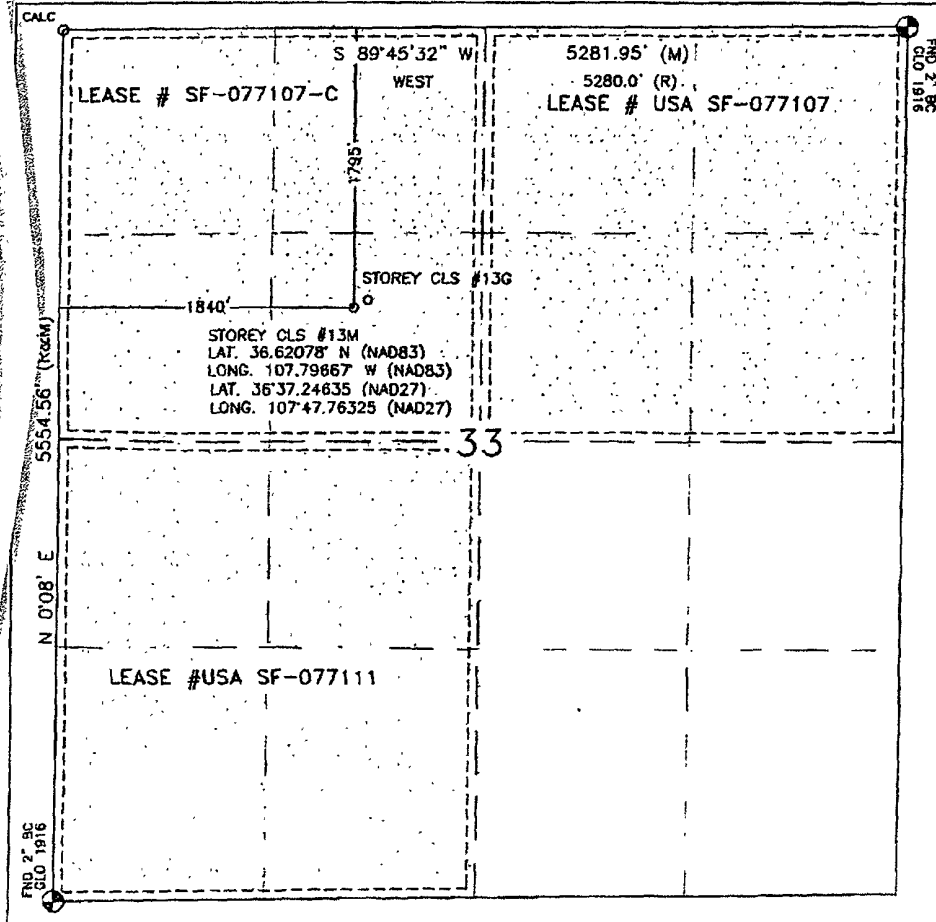
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	33	28N	9W		1795'	NORTH	1840'	WEST	SAN JUAN

<sup>11</sup> 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
F									
<sup>12</sup> Dedicated Acres 520 ACRES W/2 (DK) 337.35 320 ACRES N/2 (MV)			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. NWV-398-DK		

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



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.

Kandis Roland 5/31/07  
Signature Date

Kandis Roland  
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.

APRIL 24, 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

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.	30-045- 34428
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6 State Oil & Gas Lease No.	Federal Lease SF-077107-C
7. Lease Name or Unit Agreement Name	Storey C LS
8. Well Number	#13M
9. OGRID Number	217817
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  
ConocoPhillips

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

4 Well Location  
Unit Letter F : 1795' feet from the North line and 1840' feet from the West line  
Section 33 Township 28N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6842'

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:

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in ConocoPhillips' General Plan dated June 2005 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. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

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 9-12-07

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, District #3 DATE OCT 18 2007

Conditions of Approval (if any):

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STOREY C LS 13M

DEVELOPMENT

Lease:		AFE #: WAN.CBM.7143		AFE \$:	
Field Name: NEW MEXICO-WEST		Rig: Aztec Rig 301		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead: Fransen, Eric E.	

## 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: 36.620773	Longitude: -107.796054	X:	Y:	Section: 33	Range: 009W
Footage X: 1840 FWL		Footage Y: 1795 FNL		Elevation: 6842 (FT)	Township: 028N
Tolerance:					

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

Formation Data: Assume KB = 6854	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6638	<input type="checkbox"/>			12-1/4 hole. 216' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJO ALAMO	1929	4925	<input type="checkbox"/>			
KIRTLAND	2059	4795	<input type="checkbox"/>			
FRUITLAND	2691	4163	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2957	3897	<input type="checkbox"/>			
LEWIS	3114	3740	<input type="checkbox"/>			
HUERFANITO BENTONITE	3488	3366	<input type="checkbox"/>			
CHACRA	3914	2940	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4520	2334	<input type="checkbox"/>	500		Gas
MENEFEE	4620	2234	<input type="checkbox"/>			
Intermediate Casing	4670	3640	<input type="checkbox"/>			8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 1051 cuft. Circulate cement to surface.
MASSIVE POINT LOOKOUT	5239	1615	<input type="checkbox"/>			
MANCOS	5557	1297	<input type="checkbox"/>			
UPPER GALLUP	6424	430	<input type="checkbox"/>			
GREENHORN	7205	-351	<input type="checkbox"/>			
GRANEROS	7260	-406	<input type="checkbox"/>			
TWO WELLS	7317	-463	<input type="checkbox"/>	2000		Gas
PAGUATE	7380	-526	<input type="checkbox"/>			
UPPER CUBERO	7434	-580	<input type="checkbox"/>			
LOWER CUBERO	7447	-593	<input type="checkbox"/>			
ENCINAL	7500	-646	<input type="checkbox"/>			
TOTAL DEPTH DK	7544	-690	<input type="checkbox"/>			6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 395 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STOREY C LS 13M

DEVELOPMENT

<b>Logging Program:</b>			
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							

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

Comments: Location/Tops/Logging - Est bottom perf: 15' above TD.

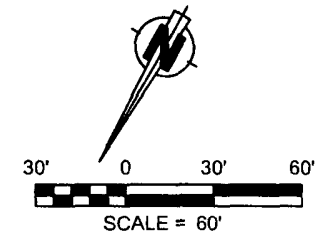
General/Work Description - This is new a Vertical section 4/12/07 11:57 AM

LATITUDE: 36.62078°N  
 LONGITUDE: 107.79667°W  
 DATUM: NAD 83

# CONOCO PHILLIPS, COMPANY

STOREY CLS #13M  
 1795' FNL & 1840' FWL  
 LOCATED IN THE SE/4 NW/4 OF SECTION 33,  
 T28N, R9W, N.M.P.M.,  
 SAN JUAN COUNTY, NEW MEXICO  
 GROUND ELEVATION: 6842', NAVD 88  
 FINISHED PAD ELEVATION: 6842.4', NAVD 88

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



330' x 400' = 3.03 ACRES OF DISTURBANCE  
 SCALE: 1" = 60'  
 JOB No.: COPC075  
 DATE: 05/07/07

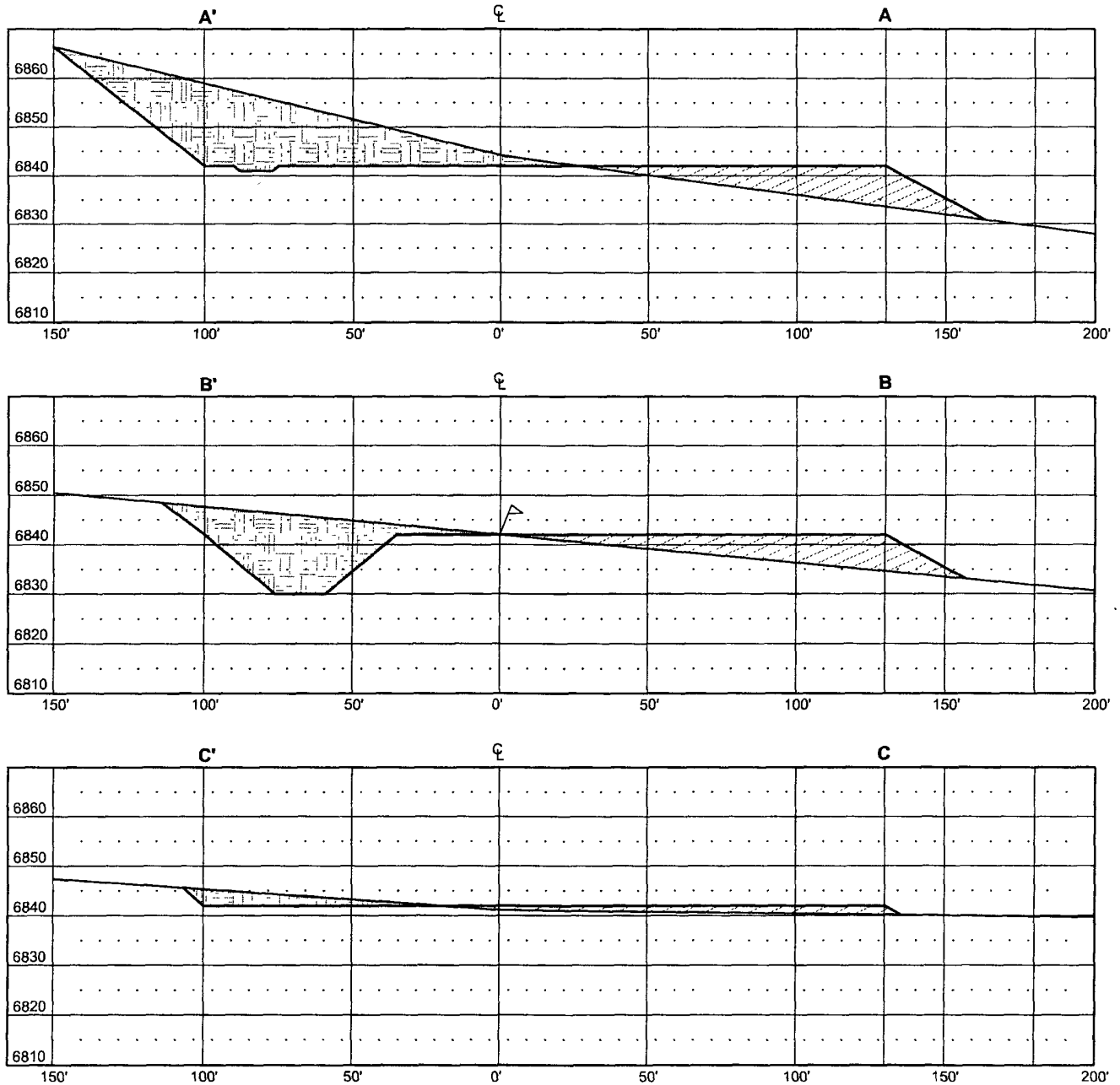
NOTE:  
 RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
 RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR  
 CABLES ON WELL PAD, IN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

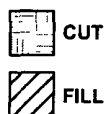
LATITUDE: 36.62078°N  
LONGITUDE: 107.79667°W  
DATUM: NAD 83

**CONOCO PHILLIPS, COMPANY**  
STOREY CLS #13M  
1795' FNL & 1840' FWL  
LOCATED IN THE SE/4 NW/4 OF SECTION 33,  
T28N, R9W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO  
GROUND ELEVATION: 6842', NAVD 88  
FINISHED PAD ELEVATION: 6842.4', 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.: COPC075  
DATE: 05/07/07



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