

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

207 MAR 15 PM 1:35

1a. Type of Work DRILL	5. Lease Number NMSF-079521-A 677482 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> 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 Holder A 9. Well Number #100	
4. Location of Well Unit F (SENW), 1410' FNL & 1350' FWL,  Latitude 36° 50.70947 N Longitude 108° 08.50447 W  Lot 13	10. Field, Pool, Wildcat Basin FC/Flora Vista FS  11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 6, T30N, R12W API # 30-045-34242	
14. Distance in Miles from Nearest Town 7.2 miles Flora Vista	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1350'	17. Acres Assigned to Well FC - 282.35 - (N/2) FS - 130.64 - (N/4)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease		
19. Proposed Depth 2312'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5909' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	RCVD APR 3 '07 OIL CONS. DIV. DIST. 3	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	1-22-07 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.

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

Master Plan

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

This action is subject to technical and  
procedural review pursuant to 43 CFR 3168.2  
and appeal pursuant to 43 CFR 3168.4

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045- <b>34242</b>	<sup>2</sup> Pool Code 71629/76600	<sup>3</sup> Pool Name Basin Fruitland Coal/Eldora Vista Fruitland Sand
<sup>4</sup> Property Code 18546	<sup>5</sup> Property Name HOLDER A	<sup>6</sup> Well Number 100
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES O&G CO LP	<sup>9</sup> Elevation 5909'

<sup>10</sup> Surface Location

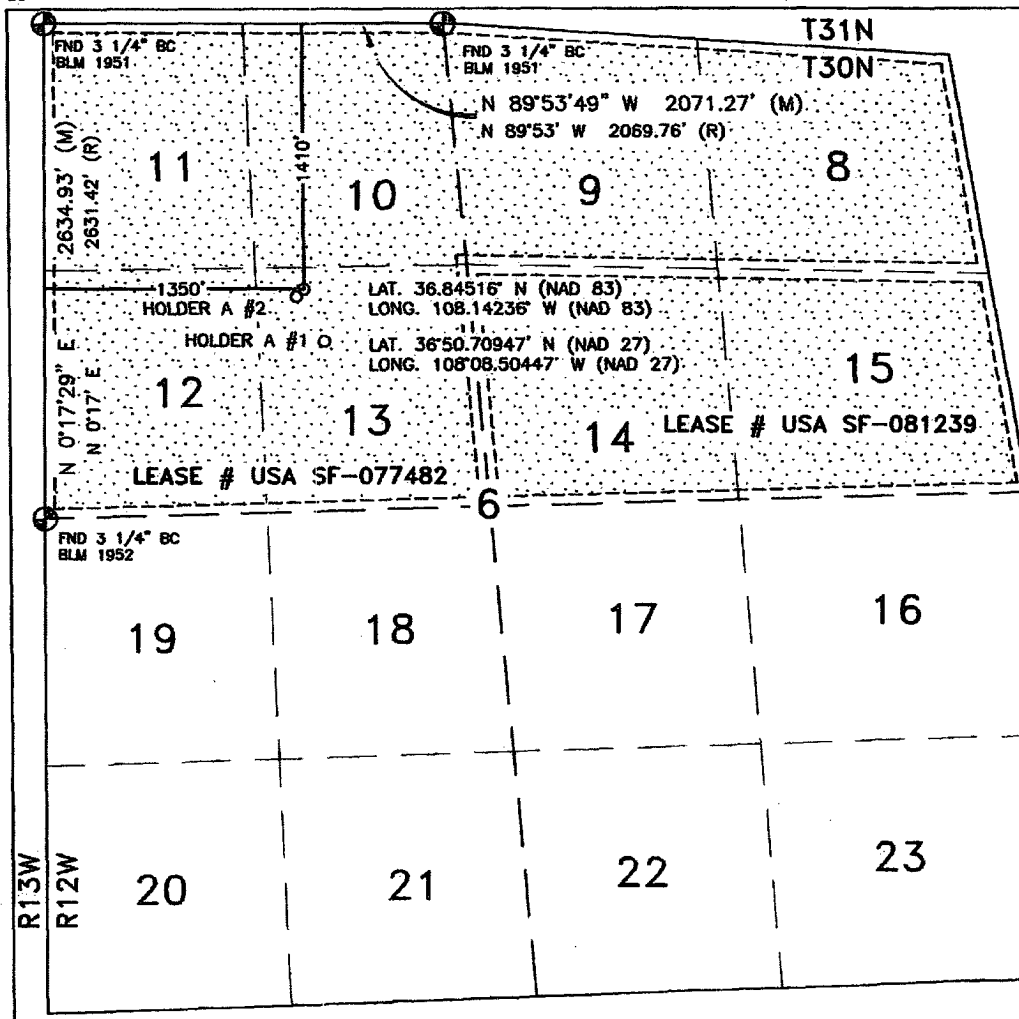
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	6	30N	12W	13	1410'	NORTH	1350'	WEST	SAN JUAN

<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 282.350 (FC) N2 130.640 (FS) NW/4			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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



<sup>17</sup> 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

Printed Name

<sup>18</sup> SURVEYOR CERTIFICATION

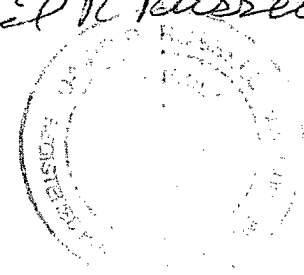
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 12, 2006

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- <b>34242</b>
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	Holder A
8. Well Number	#100
9. OGRID Number	14538
10. Pool name or Wildcat	Basin FC/Flora Vista FS

**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 F : 1410' feet from the North line and 1350' feet from the West line  
Section 26 Township 30N Rng 12W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5909'

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: N/A 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.

RCVD APR3'07  
OIL CONS. DIV.  
DIST. 3

New Drill, Unlined:

Burlington Resources 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 and vent/flare pit will be an unlined 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 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 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 Rhonda Rogers TITLE Regulatory Technician DATE 1/16/2007

Type or print name Rhonda Rogers E-mail address: ogerrs@conocophillips.com Telephone No. 505-599-4018

**For State Use Only**

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE APR 05 2007

Conditions of Approval (if any):

# BURLINGTON RESOURCES O&G CO LP

HOLDER A #100

1410' FNL & 1350' FWL

LOCATED IN THE SE/4 NW/4 OF

SECTION 6, T30N, R12W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5909', NAVD 88

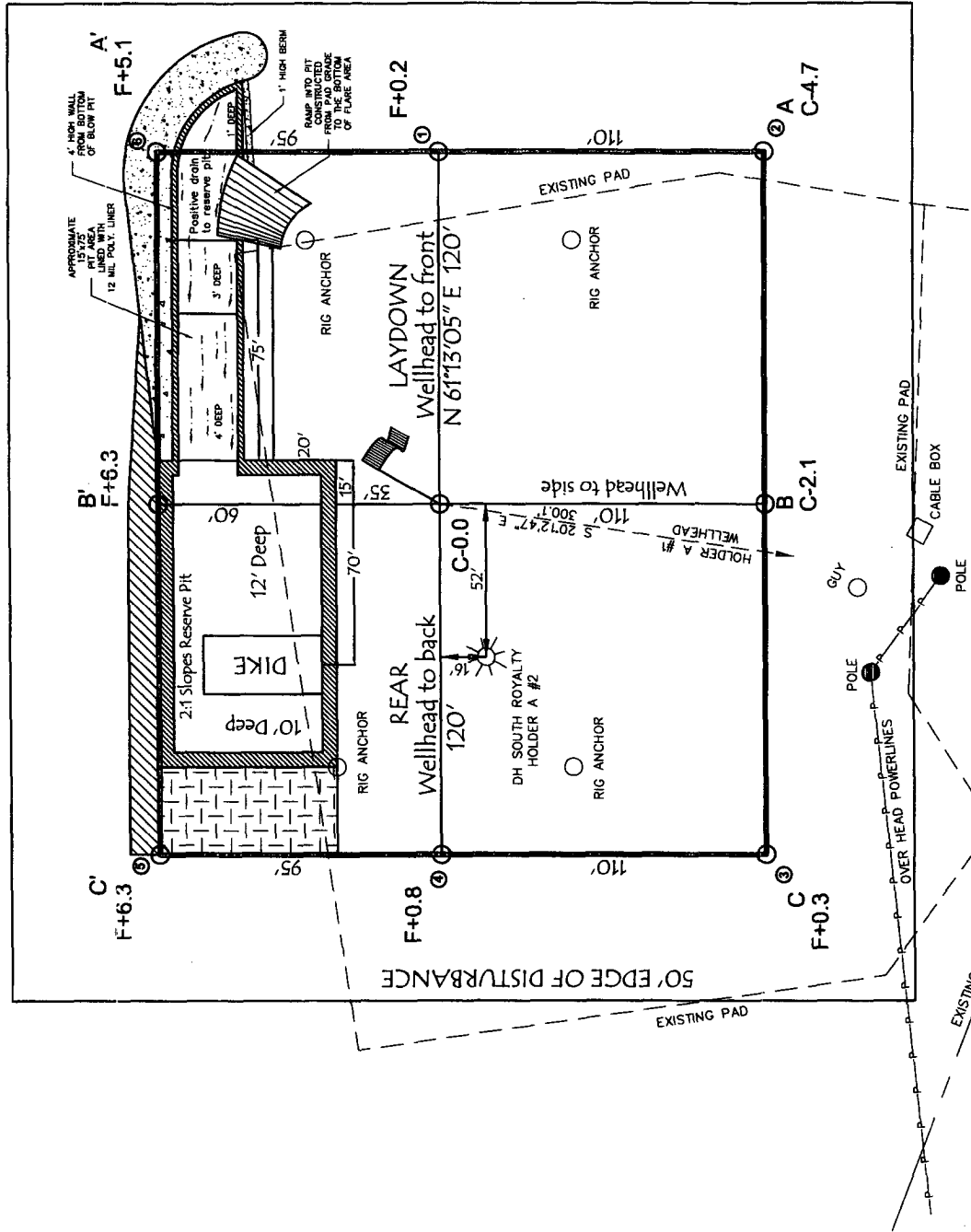
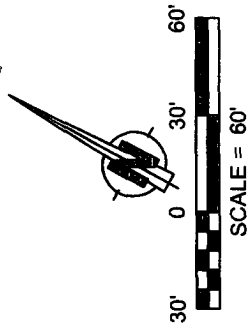
FINISHED PAD ELEVATION: 5908.5', NAVD 88

LATITUDE: 36.84516°N

LONGITUDE: 108.14236°W

DATUM: NAD 83

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



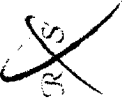
NOTE:  
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR  
CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR  
TO CONSTRUCTION.

330' x 400' = 3.03 ACRES OF DISTURBANCE

SCALE: 1" = 60'

JOB No.: COPC054; REV1

DATE: 1/16/07



**Russell Surveying**  
1409 W. Aztec Blvd. #5  
Aztec, New Mexico 87410  
(505) 334-8637

LATITUDE: 36.84516°N  
LONGITUDE: 108.14236°W  
DATUM: NAD 83

# BURLINGTON RESOURCES O&G CO LP

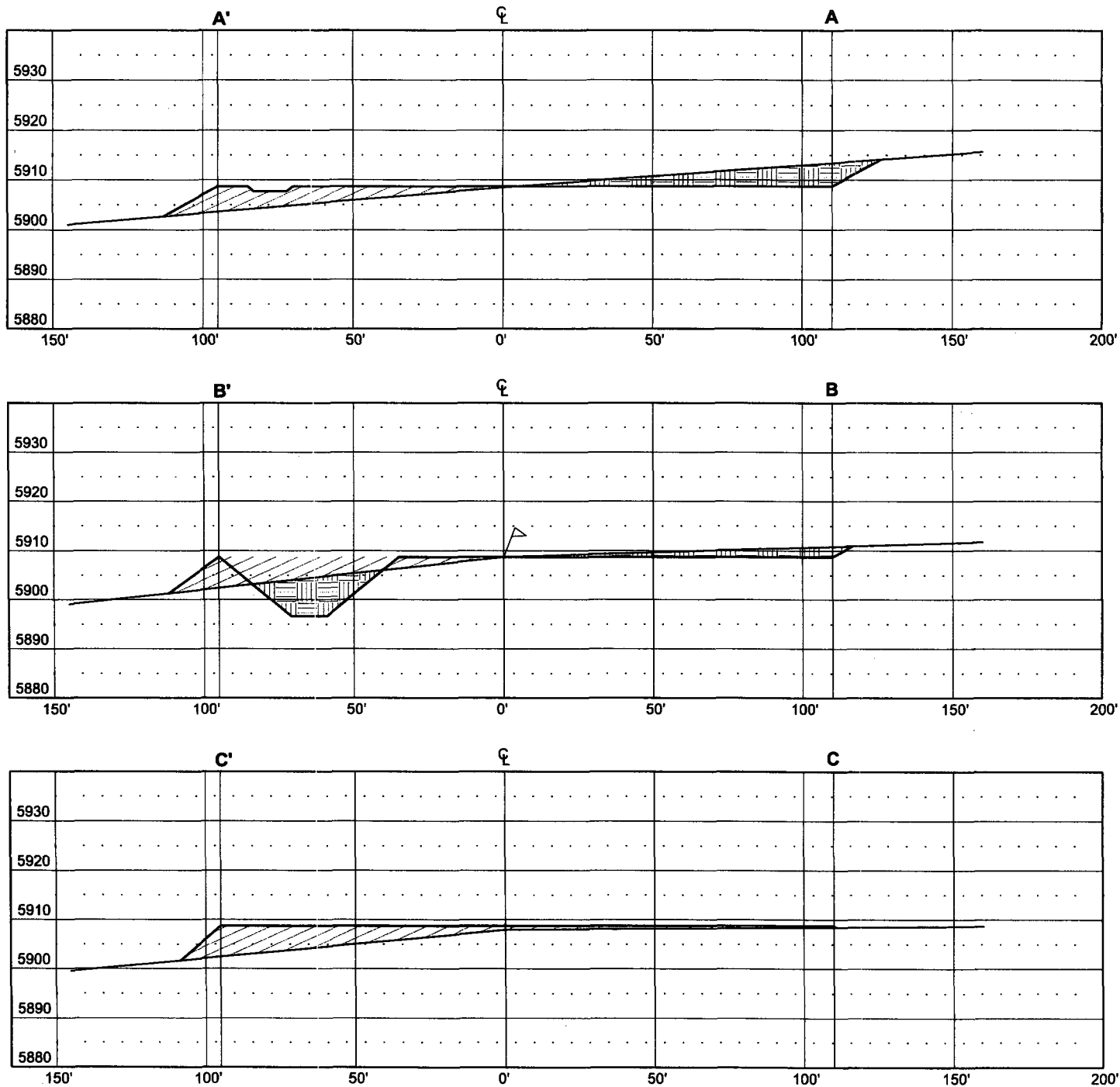
HOLDER A #100

1410' FNL & 1350' FWL

LOCATED IN THE SE/4 NW/4 OF  
SECTION 6, T30N, R12W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO

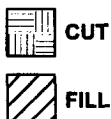
GROUND ELEVATION: 5909', NAVD 88

FINISHED PAD ELEVATION: 5908.5', 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'  
HORZ. SCALE: 1" = 50'  
JOB No.: COPC054; REV1  
DATE: 1/15/07



**Russell Surveying**  
1409 W. Aztec Blvd. #5  
Aztec, New Mexico 87410  
(505) 334-8637

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HOLDER A 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7060		07 MAR 28 PM 3:43		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: XX 2008 30N (2)		State: NM		County: SAN JUAN	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineers:		Phone:	
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788		Proj. Field Lead:		Phone:	

Zone	Zone Name
2035	FRUITLAND COAL
RCO087	FRUITLAND SAND(RCO087)

Location: Surface					
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Latitude: 36.845028	Longitude: -108.141791	X:	Y:	Section: 06	Range: 012W
Footage X: 1335 FWL	Footage Y: 1455 FNL	Elevation: 5909	(FT)	Township: 030N	
Tolerance: 1380'		1410'			

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5921	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5801	<input type="checkbox"/>			8-3/4" hole. 7" 20 ppf, J-55, STC casing. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	400	5521	<input type="checkbox"/>			Possible water
KIRTLAND	514	5407	<input type="checkbox"/>			
FRUITLAND	1684	4237	<input type="checkbox"/>			Gas
PICTURED CLIFFS	2112	3809	<input type="checkbox"/>			Gas
Total Depth	2312	3609	<input type="checkbox"/>	350		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 355 cuft. Circulate cement to surface.

Reference Type	Well Name	Comments
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Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input checked="" 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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GR/CBL  
Platform Express from TD to minimum footage.

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - FCNM030N012W06NW1 and FSNM030N012W06NW1 Holder A 1 NW06-30N-12W is the twin well.

Zones - FCNM030N012W06NW1 and FSNM030N012W06NW1

General/Work Description - This well in the Jet Pump area, make sure cost reflect.