

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

207 MAY 10 PM 3:08

RECEIVED  
BLM  
210 FARMINGTON NM

1a. Type of Work  
DRILL

5. Lease Number  
USA NM-03187  
Unit Reporting Number

1b. Type of Well  
GAS

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  
Lambe

9. Well Number  
#7S

4. Location of Well  
Unit F (SENW), 1295' FNL & 1905' FWL

10. Field, Pool, Wildcat  
Basin FC/FS WC 31N 10W 21; Farmington Sand

11. Sec., Twn, Rge, Mer. (NMPM)  
Sec. 21, T31N, R10W  
API # 30-045-34316

14. Distance in Miles from Nearest Town

12. County  
San Juan

13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
1295'

16. Acres in Lease

17. Acres Assigned to Well  
FC-318.86 (W/2) FS - 158.38 NW/4

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease  
55' Lambe #1B MV/DK

19. Proposed Depth  
3080'

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
6142' GL

22. Approx. Date Work will Start  
RCVD JUN 15 '07  
OIL CONS. DIV.  
DIST. 3

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Rhonda Rogers  
Rhonda Rogers (Regulatory Technician)

5-9-07  
Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 6/13/07

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 2

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

NMOCD

07-17-07

84

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

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

DISTRICT I  
1825 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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-34316		<sup>2</sup> Pool Code 71629/97622		<sup>3</sup> Pool Name WC 31N10W21; FRUITLAND COAL/FRIUTLAND SAND	
<sup>4</sup> Property Code 28917		<sup>5</sup> Property Name LAMBE			<sup>6</sup> Well Number 7 S
<sup>7</sup> GRID No. 14538		<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			<sup>9</sup> Elevation 6142'

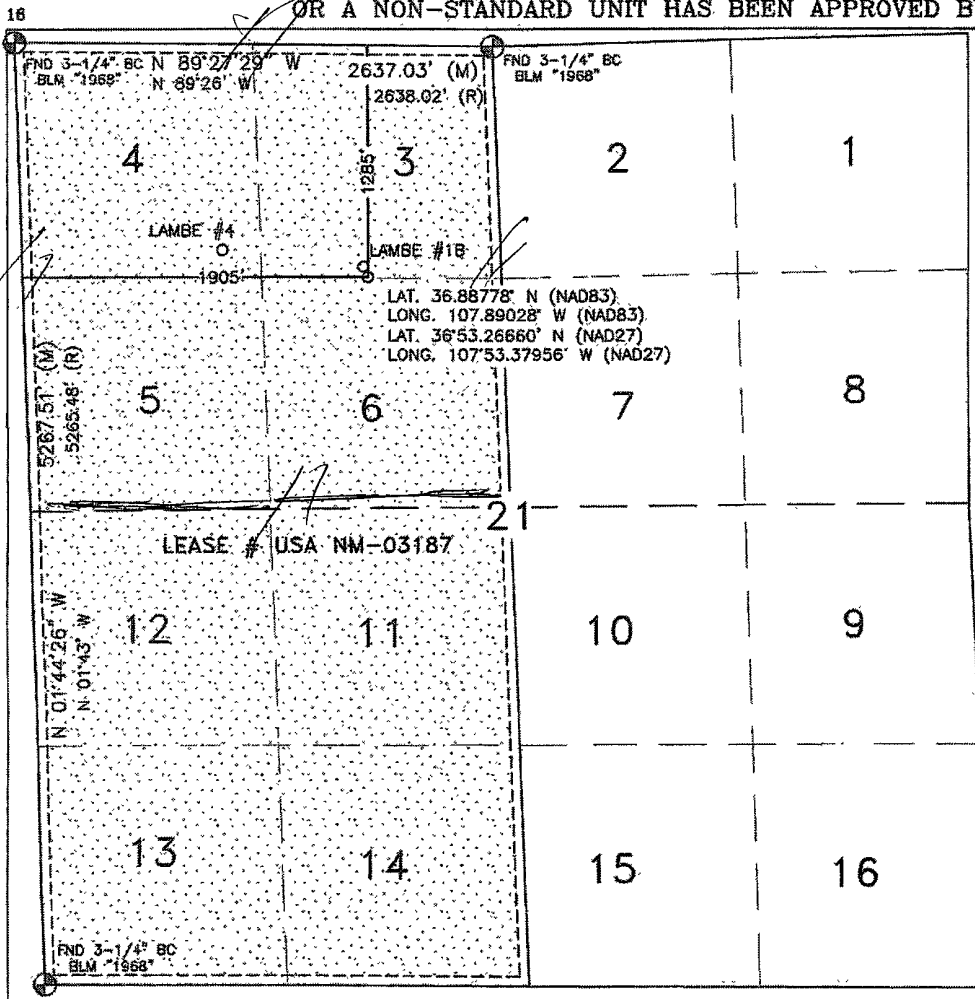
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	21	31N	10W	6	1285'	NORTH	1905'	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
<sup>12</sup> Dedicated Acres 318.84 FC 158.38 FS					<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



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* 7/9/07  
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.

FEBRUARY 9, 2007  
Date of Survey

Signature and Seal of Professional Surveyor:  
*David R. Russell*

DAVID R. RUSSELL  
10201  
REGISTERED PROFESSIONAL LAND SURVEYOR NEW MEXICO

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

May 27, 2004

WELL API NO.	30-045- <b>34316</b>
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease # USA NM-03187
7. Lease Name or Unit Agreement Name	Lambe
8. Well Number	#7S
9. OGRID Number	14538
10. Pool name or Wildcat	Basin FC/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 : 1295' feet from the North line and 1905' feet from the West line  
Section 21 Township 31N Rng 10W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6142'

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 200

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 1-103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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 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 Rhonda Rogers TITLE Regulatory Technician DATE 4-23-07

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

## For State Use Only

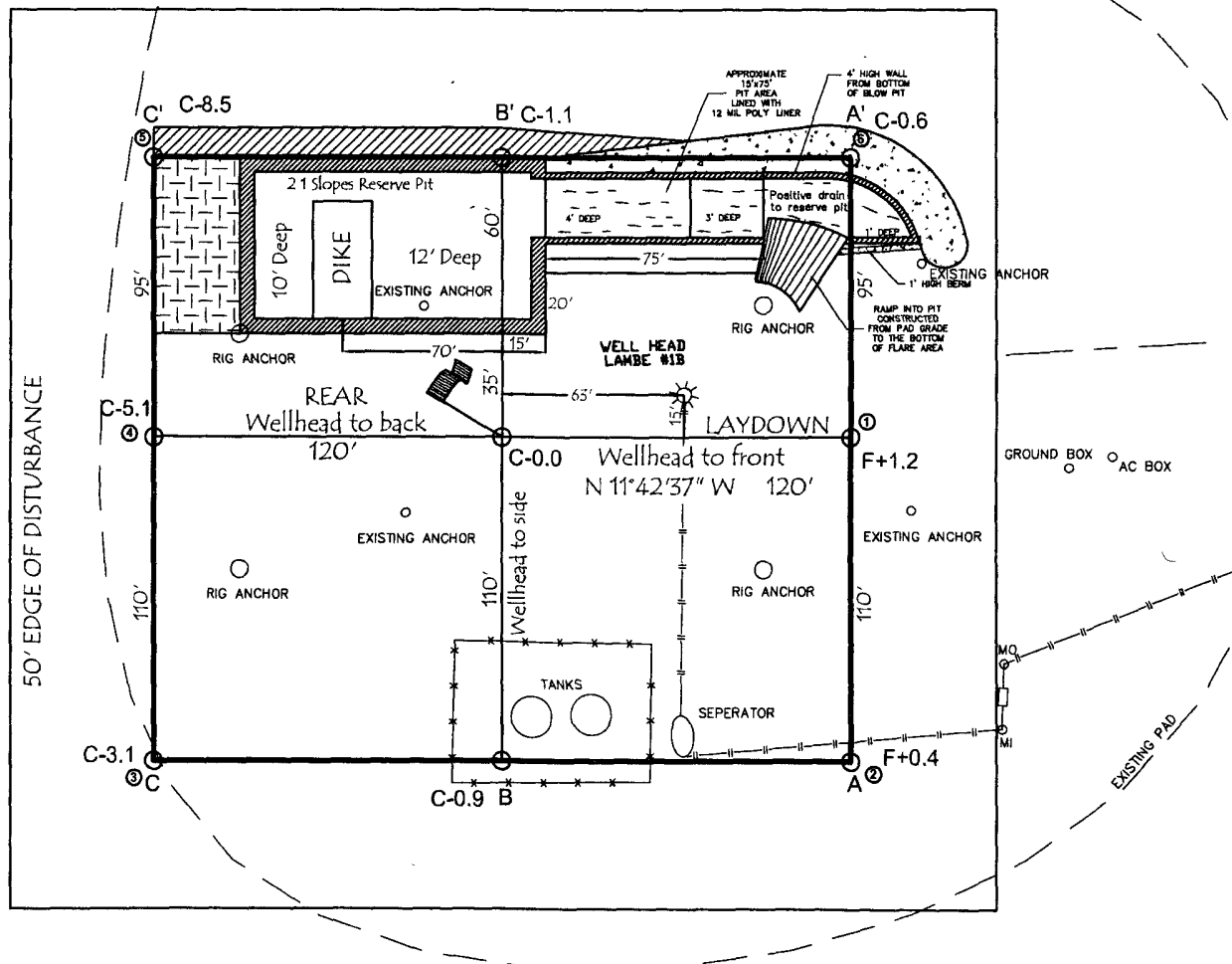
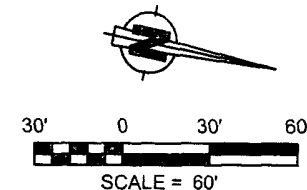
APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector DATE JUL 17 2007  
Conditions of Approval (if any): District #3

LATITUDE: 36.88778°N  
 LONGITUDE: 107.89028°W  
 DATUM: NAD 83

# BURLINGTON RESOURCES O&G CO LP

LAMBE #7S  
 1295' FNL & 1905' FWL  
 LOCATED IN THE SE/4 NW/4 OF SECTION 21,  
 T31N, R10W, N.M.P.M.,  
 SAN JUAN COUNTY, NEW MEXICO  
 GROUND ELEVATION: 6142', NAVD 88  
 FINISHED PAD ELEVATION: 6142.1', 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.: COP062  
 DATE: 02/12/07

NOTE:  
 RESERVE PIT DIKE: TO BE B' 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.

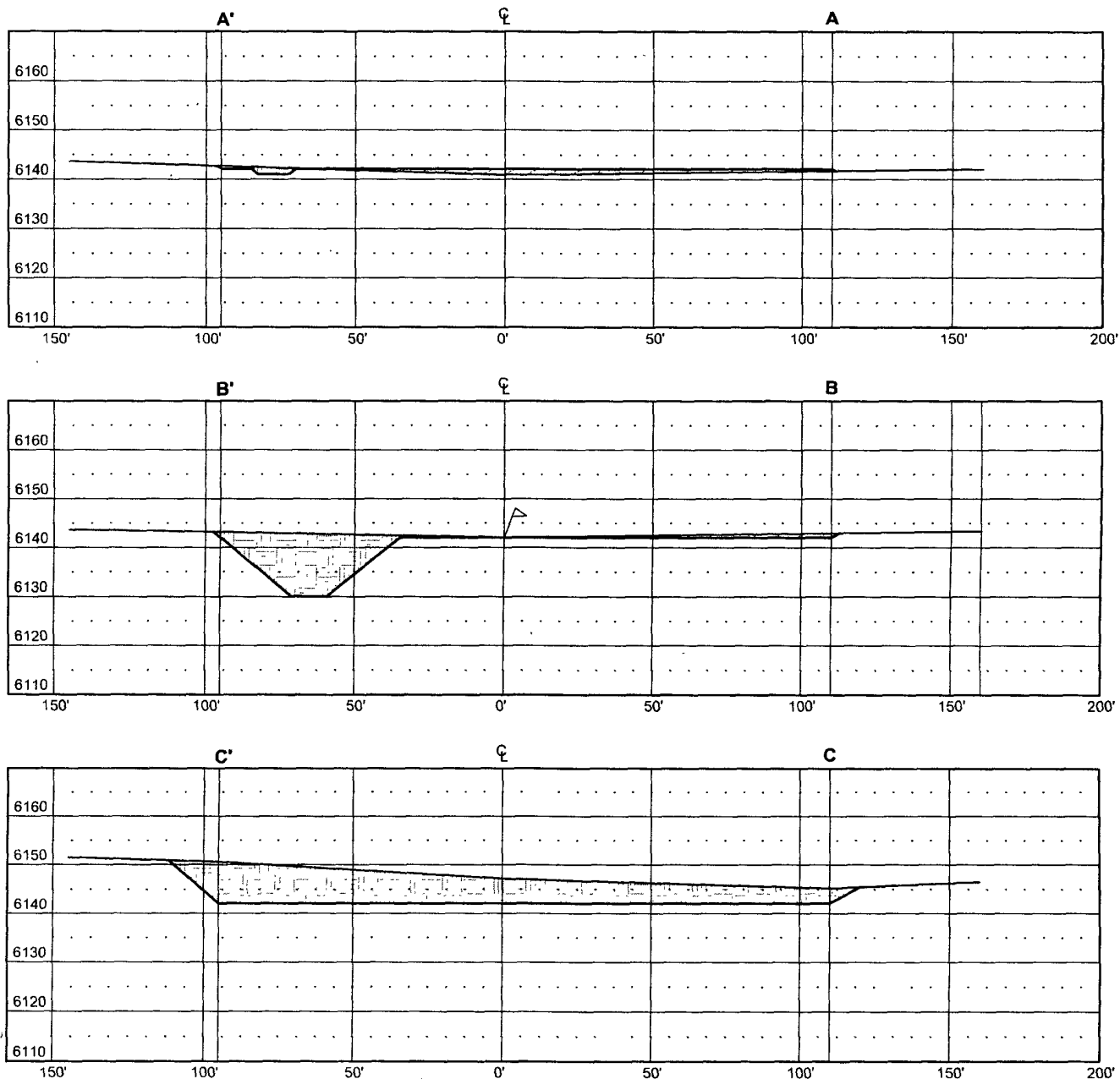


**Russell Surveying**  
 1409 W. Aztec Blvd. #2  
 Aztec, New Mexico 87410  
 (505) 334-8637

LATITUDE: 36.88778°N  
LONGITUDE: 107.89028°W  
DATUM: NAD 83

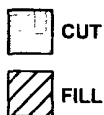
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T31N, R10W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO  
GROUND ELEVATION: 6142', NAVD 88  
FINISHED PAD ELEVATION: 6142.1', NAVD 88



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.: COP062  
DATE: 02/12/07



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

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LAMBE 7S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7145		AFE \$:	
Field Name: hBR SAN JUAN		Rig: XX 2008 31N		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer: Phone:	
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788		Proj. Field Lead: Phone:	

## Primary Objective (Zones):

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

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.887777	Longitude: -107.889659	X: 483527.82	Y: 2142418.81	Section: 21	Range: 010W
Footage X: 1905 FWL	Footage Y: 1295 FNL	Elevation: 6142	(FT)	Township: 031N	
Tolerance:					

Location Type: Restricted	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data:		Assume KB = 6154	Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6034	<input type="checkbox"/>			8-3/4" hole. 7" 20.0 ppf, J-55, STC casing. Circulate cement to surface. Cement with 50 cuft.
OJO ALAMO	1318	4836	<input type="checkbox"/>			Possible water flows.
KIRTLAND	1393	4761	<input type="checkbox"/>			
FRUITLAND	2546	3608	<input type="checkbox"/>	450		Possible gas.
PICTURED CLIFFS	2880	3274	<input type="checkbox"/>			
Total Depth	3080	3074	<input type="checkbox"/>			6-1/4" hole. 4 1/2" 10.5 ppf, J-55 STC. Circulate cement to surface. Cement with 473 cuft.

## 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

Comments: Location/Tops/Logging - FCNM031N010W21NW1 and FSNM031N010W21NW1 Twin Lambe 1B (MV/DK) - prefer C,F,E - stay 800' away from Lambe 4 (PC).

Zones - FCNM031N010W21NW1 and FSNM031N010W21NW1

General/Work Description - MAKE SURE COST ARE ALLOCATED AS: FC-91% FS-9%