

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number Navajo I-149-IND-8464 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe Navajo
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD NOV 29 '07 OIL CONS. DIV.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Bunny ET AL DIST. 3 9. Well Number #2F
4. Location of Well Surf: Unit L (NWSW), 1850' FSL & 770' FWL  Latitude 36° 35.25551 N Longitude 107° 45.81633 W	10. Field, Pool, Wildcat Basin Dakota  11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 11, T27N, R9W  API # 30-045- 34320
14. Distance in Miles from Nearest Town 28 mile/Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 770'	
16. Acres in Lease	17. Acres Assigned to Well DK - 315.81 (S/2) 310
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease	
19. Proposed Depth 6624'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6038' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Kandis Roland</u> Kandis Roland (Regulatory Technician)	<u>5/17/07</u> Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE ATM DATE 11/27/07

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 3

NOTIFY AZTEC OGD 24 HRS.  
PRIOR TO CASING & CEMENT

DEC 13 2007 NM OGD

DISTRICT I  
1005 N. French St., Hobbs, N.M. 58240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

DISTRICT II  
311 South First, Artesia, N.M. 50210

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

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

2007 MAY 17 PM 2:45

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 03-045-34320	Pool Code 71599	Pool Name Basin DAKOTA
Property Code 6869	Property Name BUNNY ET AL	Well Number 2 F
GRID No. 14538	Operator Name BURLINGTON RESOURCES O&G CO LP	Elevation 6038'

10 Surface Location

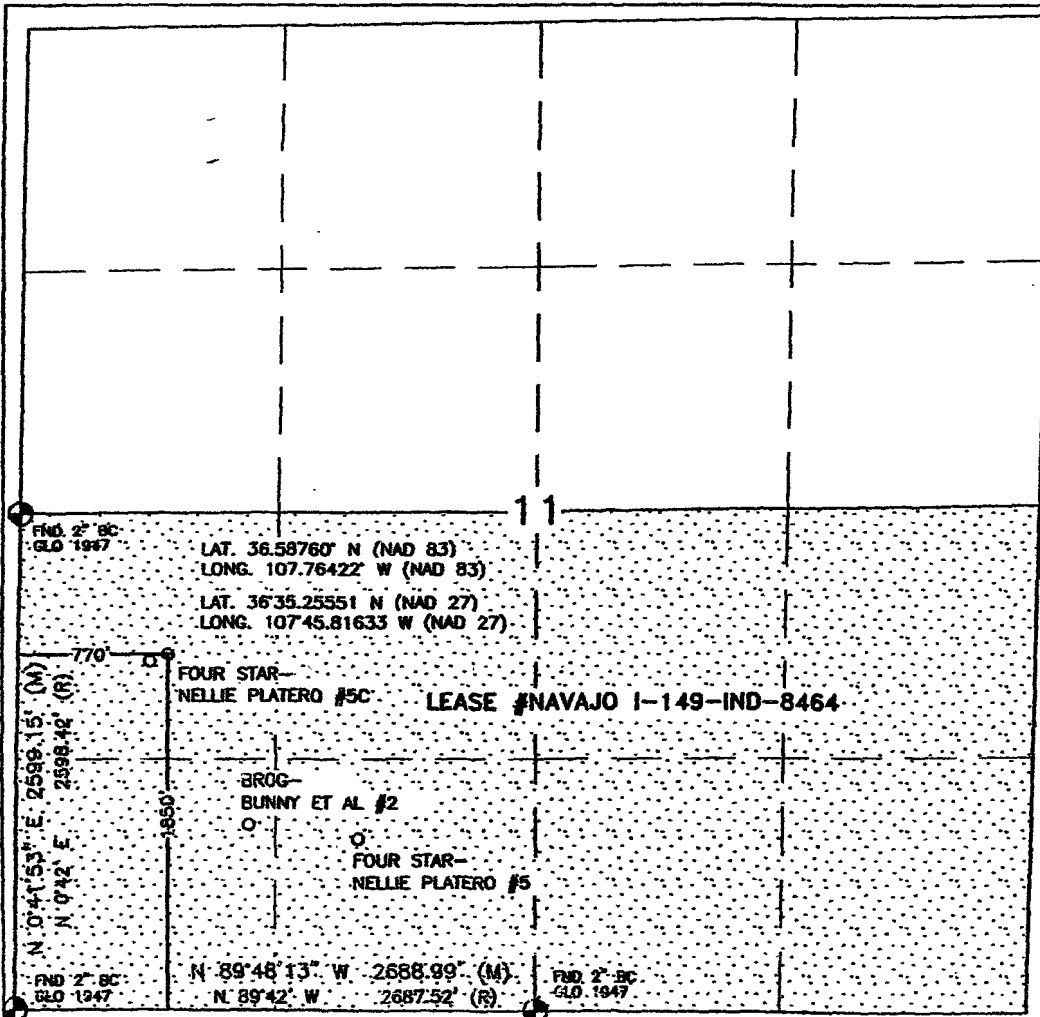
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	11	27N	9W		1850'	SOUTH	770'	WEST	SAN JUAN

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
Dedicated Acres 320 315.84 Acres - (S/2)					Joint or Infill	Consolidation Code	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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Tracey N. Monroe*

Signature  
Tracey N. Monroe

Printed Name  
Regulatory Assistant  
Title

Date  
7/28/06

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.

JULY 12, 2006

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

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- 34320
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	NAVAJO I-149-IND-8464
7. Lease Name or Unit Agreement Name	Bunny Et Al
8. Well Number	2F
9. OGRID Number	14538
10. Pool name or Wildcat	Basin Dakota

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 L : 1850' feet from the South line and 770' feet from the West line  
Section 11 Township 27N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6038'

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: 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:

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:

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 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 Kandis Roland TITLE Regulatory Technician DATE 2/27/2007

Type or print name Kandis Roland E-mail address: kburns@br-inc.com Telephone No. 505-326-9701

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE DEC 13 2007

Conditions of Approval (if any):

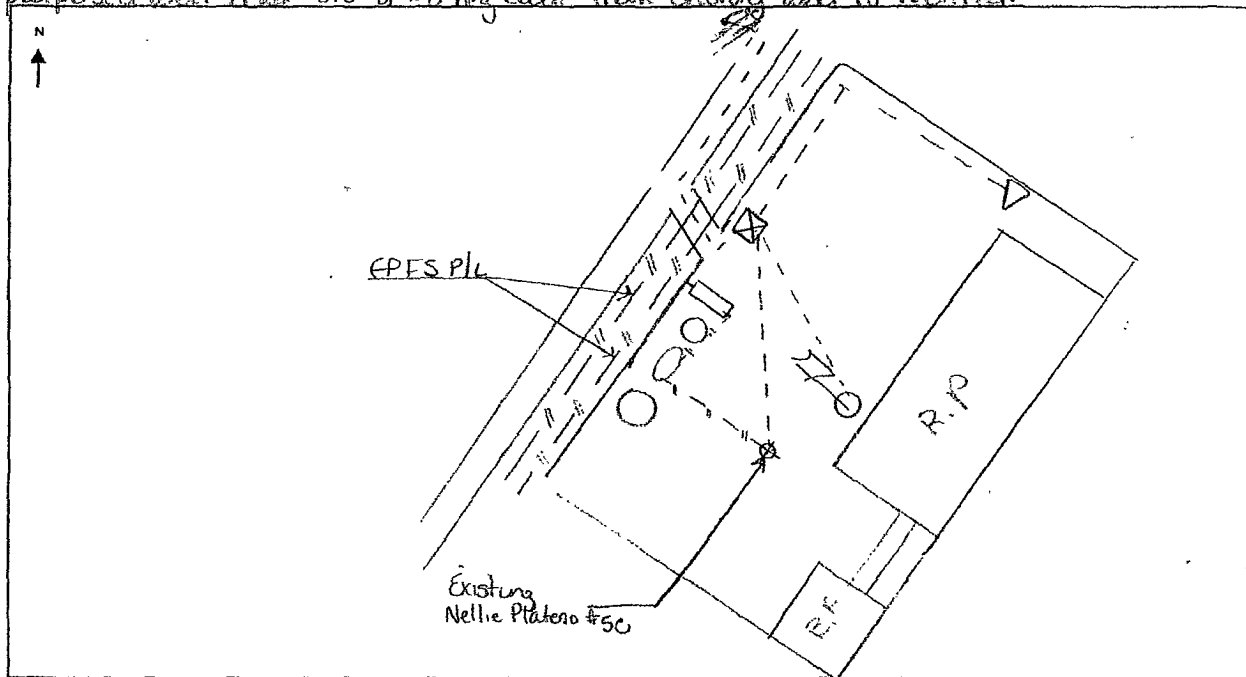


TECHNICAL SERVICES  
A CORROSION CONSULT

## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Bunny ET AL #2F LEGALS L-11-27-9 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GB on east edge of location and set rectifier on NW edge. Set M.P. off existing span pole. Map location and trench approx 300' of A/C to rectifier. Trench approx 200' of positive cable from GB to rect. Trench approx 175' of #8 neg. cable from proposed well and 215' of #8 neg. cable from existing well to rectifier.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: \_\_\_\_\_

NEAREST POWER SOURCE Drenhead A/C. DISTANCE: 350'  
PIPELINES IN AREA: EPES PL & Z

TECHNICIAN: Michael J. Hingray DATE: 11/16/07

6 CR 5412 BLOOMFIELD, N.M. 87413  
OFFICE: 505-634-0271 CELL: 505-793-6953

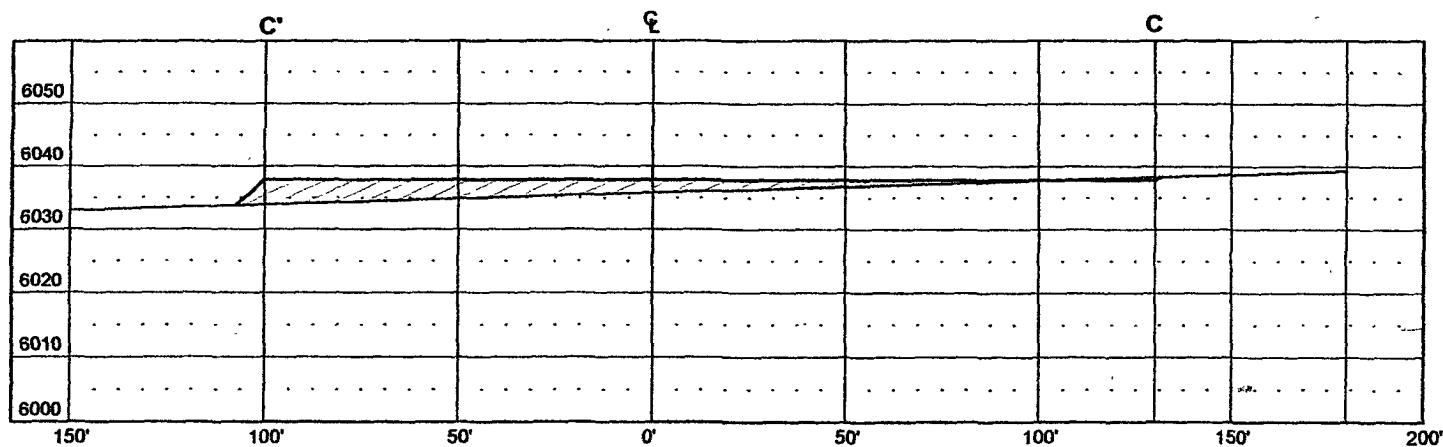
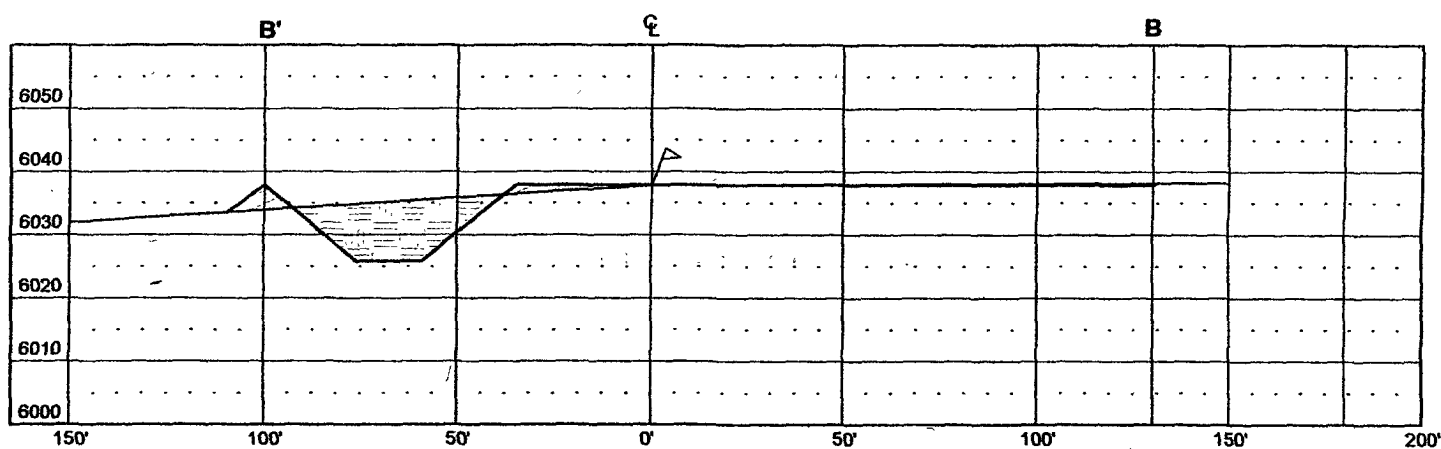
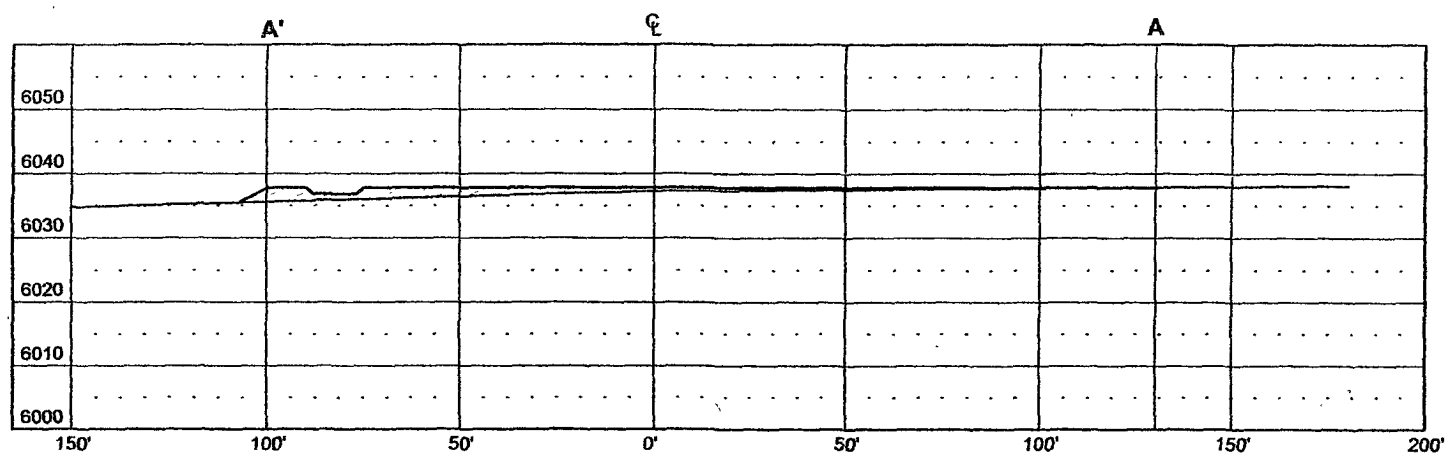
### PROJECT PROPOSAL - New Drill / Sidetrack

BUNNY ET AL 2F


DEVELOPMENT


Lease:		AFE #: WAN.ZA2.6792		AFE \$: 610,160.39	
Field Name: hBR_SAN JUAN		Rig: Bearcat Rig 4		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
<b>Primary Objective (Zones):</b>					
Zone	Zone Name				
R20076	DAKOTA(R20076)				
<b>Location: Surface</b> <b>Datum Code: NAD 27</b> <b>Straight Hole</b>					
Latitude: 36.587592	Longitude: -107.763605	X:	Y:	Section: 11	Range: 009W
Footage X: 770 FWL	Footage Y: 1850 FSL	Elevation: 6038	(FT)	Township: 027N	
Tolerance:					
Location Type: Year Round		Start Date (Est.):		Completion Date:	
Formation Data: Assume KB = 6050		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP. (PSIG)	BHT
SURFACE CSG	216	5834	<input type="checkbox"/>		
OJO ALAMO	1154	4896	<input type="checkbox"/>		
KIRTLAND	1260	4790	<input type="checkbox"/>		
FRUITLAND COAL	1850	4200	<input type="checkbox"/>		
PICTURED CLIFFS	2104	3946	<input type="checkbox"/>		
LEWIS	2233	3817	<input type="checkbox"/>		
Intermediate Casing	2333	3717	<input type="checkbox"/>		
HUERFANITO BENTONITE	2562	3488	<input type="checkbox"/>		
CHACRA	2979	3071	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	3636	2414	<input type="checkbox"/>	800	
MENEFEE	3800	2250	<input type="checkbox"/>		
MASSIVE POINT LOOKOUT	4351	1699	<input type="checkbox"/>		
MANCOS	4699	1351	<input type="checkbox"/>		
UPPER GALLUP	5530	520	<input type="checkbox"/>		
GREENHORN	6323	-273	<input type="checkbox"/>	1900	
GRANEROS	6377	-327	<input type="checkbox"/>		
TWO WELLS	6419	-369	<input type="checkbox"/>		
PAGUATE	6485	-435	<input type="checkbox"/>		
CUBERO	6549	-499	<input type="checkbox"/>		
ENCINAL	6624	-574	<input type="checkbox"/>		
TD	6624	-574	<input type="checkbox"/>		
<p>12-1/4 hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 148.3 cuft. Circulate cement to surface.</p> <p>8-3/4" hole. 7" 20 ppf, J-55, STC Casing. Cement with 524 cuft. Circulate cement to surface.</p> <p>6-1/4" hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 114.8 cuft. Circulate cement a minimum of 100 ft inside the previous casing string.</p>					
<b>Reference Wells:</b>					
Reference Type	Well Name	Comments			
Intermediate	Bunny 2e	SW 11-27N-09W			
Intermediate	Bunny at el 1-10	SE 10-27N-09W			

BUNNY ET AL #2 F  
1850' FSL & 770' FWL  
LOCATED IN THE NW/4 SW/4 OF  
SECTION 11, T27N, R9W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO  
GROUND ELEVATION: 6038', NAVD 88  
FINISHED PAD ELEVATION: 6037.8', NAVD 88



**VERT. SCALE: 1" = 30'**  
**HORZ. SCALE: 1" = 50'**  
**JOB No.: COPC004**  
**DATE: 07/19/06**

 **CUT**

 **FILL**

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