

RCVD MAY18'07

OIL CONS. DIV.

DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2007 APR 20 PM 3:57 RECEIVED CDS PLANNING	5. Lease Number USA SF-078874 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 Canyon Largo Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number #117E
4. Location of Well Unit G (SWNE), 2950' FNL & 1980' FEL Latitude 36° 20.4954 N Longitude 107° 27.1536 W	B/10	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 3, T24N, R6W API # 30-039-30253
14. Distance in Miles from Nearest Town 66 mile/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1980'		
16. Acres in Lease	17. Acres Assigned to Well DK - 340.85 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 870' from Canyon Largo Unit #302		
19. Proposed Depth 6600'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6384' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	4-20-07 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 34

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOC

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

5/18/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department

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

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

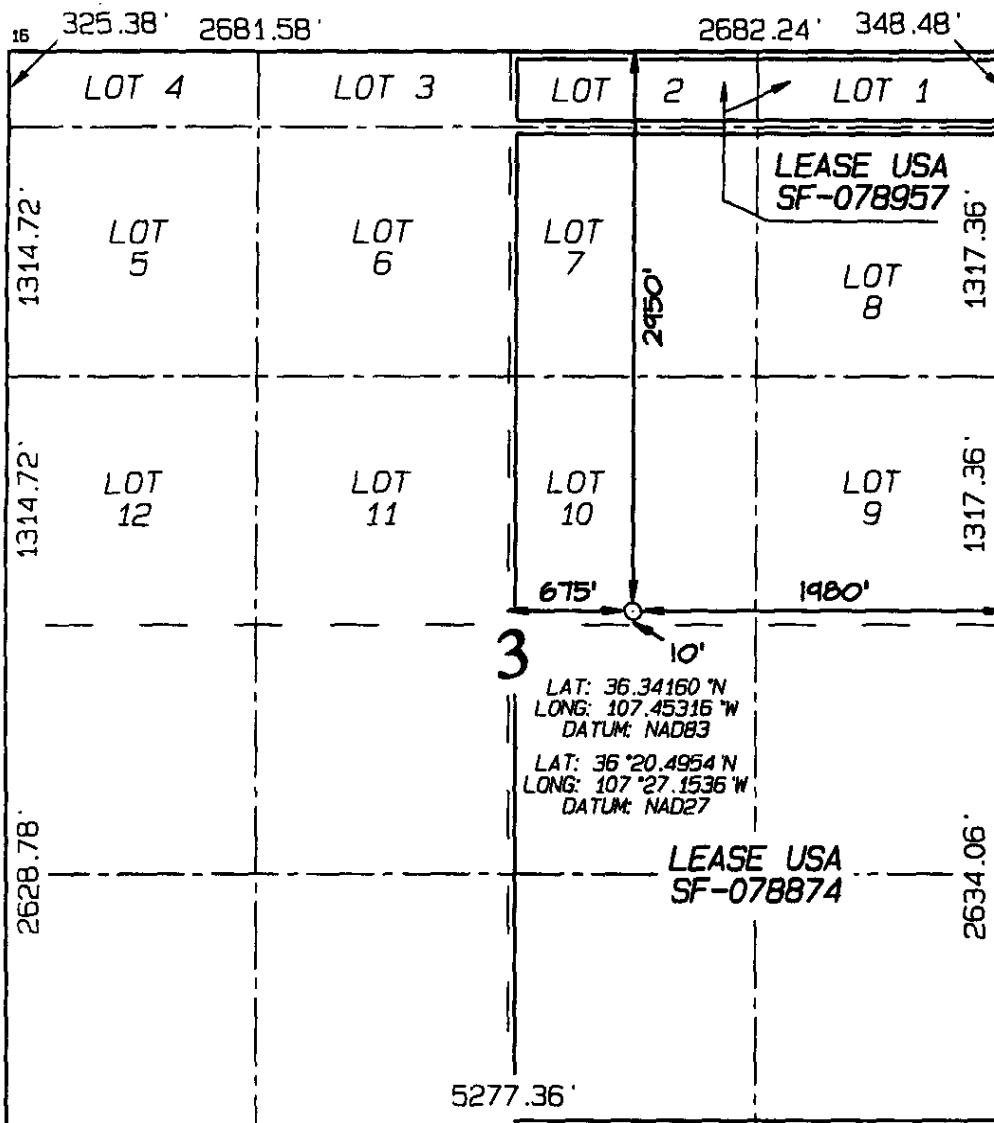
*API Number 30-039- 30253	*Pool Code 71599	*Pool Name Basin Dakota
*Property Code 6886	*Property Name CANYON LARGO UNIT	*Well Number 117E
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6384'

10 Surface Location

UL or lot no. G	Section 3	Township 24N	Range 6W	Lot Idn 10	Feet from the 2950	North/South line NORTH	Feet from the 1980	East/West line EAST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

UL or lot no. G	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line RCVD MAY 18 2007 OIL CONS. DIV.	County
*Dedicated Acres 340.85 E2					*Joint or Infill	*Consolidation Code	*Order No. DIST. 3		



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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kandis Roland 2/15/07
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.

Survey Date: JANUARY 10, 2007

Signature and Seal of Professional Surveyor



Jason C. Edwards

Certificate Number 15269

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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

WELL API NO.	30-039- 30253
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	USA SF-0782874
7. Lease Name or Unit Agreement Name	Canyon Largo Unit
8. Well Number	117E
9. OGRID Number	14538
10. Pool name or Wildcat	Basin Dakota
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6384'	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> <50	
Pit type <u>New Drill</u> Depth to Groundwater <u>12</u> mil Distance from nearest fresh water well <u>>1000'</u> Distance from nearest surface water <u><200'</u>	
Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u> </u> bbls; Construction Material <u> </u>	

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 G : 2950' feet from the North line and 1980' feet from the East line
Section 3 Township 24N Rng 6W NMPM County Rio Arriba

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"/>	REMEDIAL WORK	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>	COMMENCE DRILLING OPNS.	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	CASING/CEMENT JOB	<input type="checkbox"/>
PLUG AND ABANDON	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>	P AND A	<input type="checkbox"/>
MULTIPLE COMPL	<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, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits 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 Rhonda Rogers TITLE Regulatory Technician DATE 3/15/2007

Type or print name Rhonda Rogers E-mail address: rrogers@br-inc.com Telephone No. 505-326-9701

For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAY 18 2007

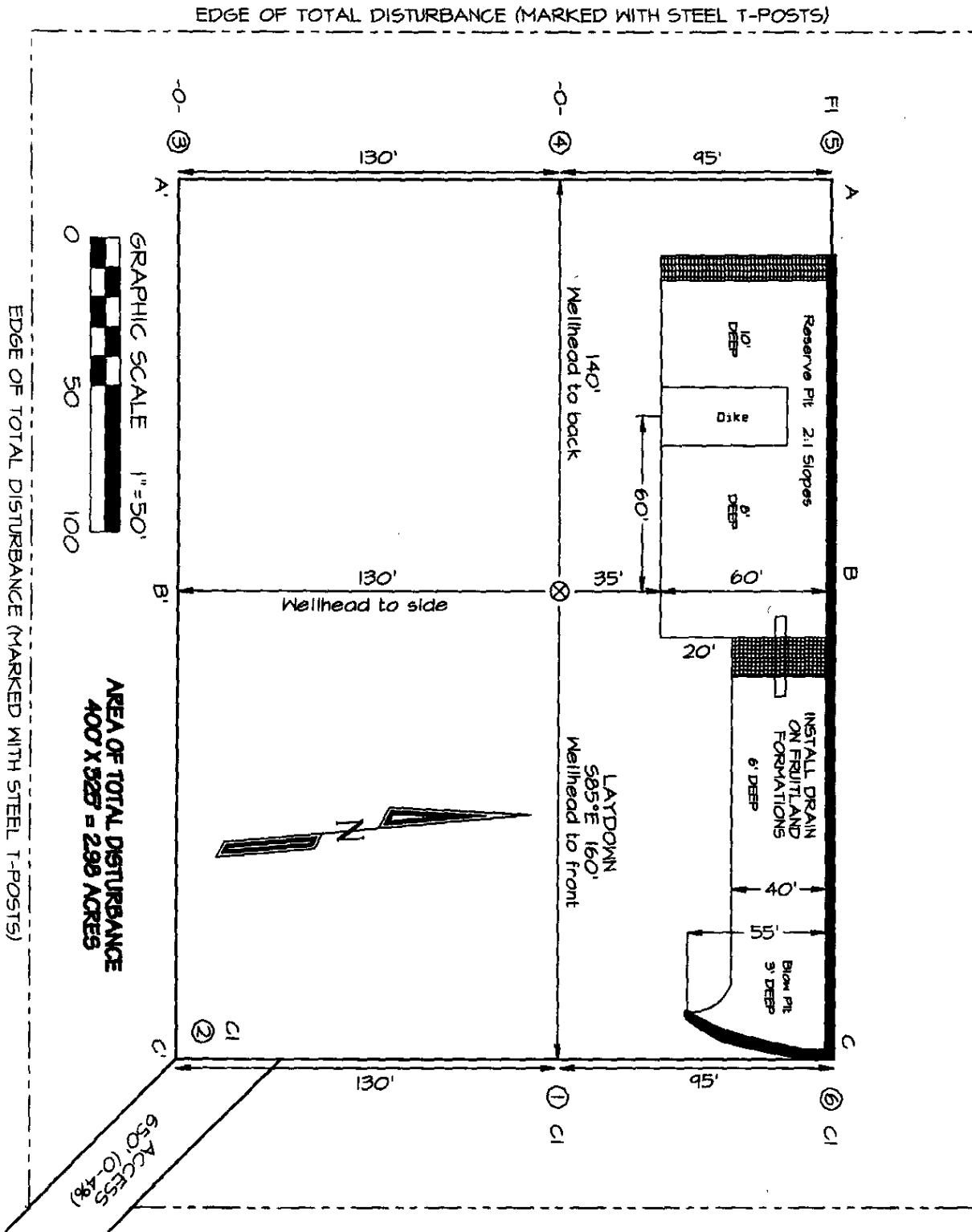
Conditions of Approval (if any): Vulnerable area Pit must be closed in accordance w/ Rule 50. F.1

~ SURFACE OWNER ~

Bureau of Land Management

LATITUDE: 36°20.4954'N
LONGITUDE: 107°27.1536'W
DATUM: NAD1927

**BURLINGTON RESOURCES OIL & GAS CANYON LARGO UNIT #117E
2950' FNL & 1980' FEL, SECTION 3, T24N, R6W, NMPM
RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6384'**



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND
UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY CANYON LARGO UNIT #117E
2950' FNL & 1980' FEL, SECTION 3, T24N, R6W, NMPM
RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6384'

HORIZONTAL SCALE 1"=40'

C/L

VERTICAL SCALE 1"=30'

A-A'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6394'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6384'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6374'	.....	.....	.....	.....	.....	.....	.....	.....	.....

C/L

B-B'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6394'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6384'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6374'	.....	.....	.....	.....	.....	.....	.....	.....	.....

C/L

C-C'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6394'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6384'	.....	.....	.....	.....	.....	.....	.....	.....	.....
6374'	.....	.....	.....	.....	.....	.....	.....	.....	.....

NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 117E

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7824				AFE \$: 567,637.80	
Field Name: hBR_SAN JUAN		Rig: XX 2008 24N		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.341588		Longitude: -107.452556		X:	Y:	Section: 03	Range: 006W
Footage X: 1980 FEL		Footage Y: 2950 FNL		Elevation: 6384 (FT)	Township: 024N		
Tolerance:							
Location Type: Winter Only		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6400 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	6080	<input type="checkbox"/>			12-1/4" hole. 8-5/8, 24 ppf, J-55 ST&C casing. Cement with 319 cu. ft. Circulate cement to surface.	
OJO ALAMO	1660	4740	<input type="checkbox"/>				
KIRTLAND	1710	4690	<input type="checkbox"/>				
FRUITLAND	1900	4500	<input type="checkbox"/>				
PICTURED CLIFFS	2135	4265	<input type="checkbox"/>				
LEWIS	2225	4175	<input type="checkbox"/>				
HUERFANITO BENTONITE	2490	3910	<input type="checkbox"/>				
CHACRA	2955	3445	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	3645	2755	<input type="checkbox"/>				
MENEFEE	3725	2675	<input type="checkbox"/>				
MASSIVE POINT LOOKOUT	4330	2070	<input type="checkbox"/>				
MANCOS	4695	1705	<input type="checkbox"/>				
UPPER GALLUP	5425	975	<input type="checkbox"/>				
GREENHORN	6291	109	<input type="checkbox"/>	2400		5' high to Canyon Largo 117	
GRANEROS	6341	59	<input type="checkbox"/>				
TWO WELLS	6379	21	<input type="checkbox"/>				
UPPER CUBERO	6479	-79	<input type="checkbox"/>				
LOWER CUBERO	6505	-105	<input type="checkbox"/>				
OAK CANYON	6551	-151	<input type="checkbox"/>				
ENCINAL	6590	-190	<input type="checkbox"/>			TD 10' below T/ENCN	
Total Depth	6600	-200	<input type="checkbox"/>			7-7/8" hole. 4-1/2", 11.6 ppf, L-80, LTC casing, Cement with 1968 cuft. Circulate cement to surface.. Cased hole GR CBL.	
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Canyon Largo 117		NE 3-24N-6W				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 117E

DEVELOPMENT

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL

Mudlog from ~100' above the Greenhorn to TD. TD should be ~233' below the top of Two Wells.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 24N06W03NE2 Nearest offset is Canyon Largo 117 NE03-24N-06W. MUDLOGGER from 100' above GRHN to TD. TD 10' below T/ENCN to catch OKCN sand, do not penetrate BRCN.

Zones - DK 24N06W03NE2

General/Work Description - Moved from 2007 to 2008 due to 2007 Capex program adjustments 3/15/07 - LM
Changed from Directional well to Vertical 4/11/07 - LM