

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 MAY 27 PM 3:36 RECEIVED BLM 210 EAST 1ST AVENUE	5. Lease Number USA SF-077111 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 Blanco Wash Federal 9. Well Number #2M
4. Location of Well Surf: Unit G (SWNE), 1630' FNL & 1960' FEL BH: Unit C (NENW), 1150' FNL & 1885' FWL SURF: Latitude 36° 37.2698 N Longitude 107° 46.3764 W BH: Latitude 36° 37.3485 N Longitude 107° 46.6725 W		10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 34, T28N, R9W API # 30-045-34337
14. Distance in Miles from Nearest Town 18.1 miles/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1630'		
16. Acres in Lease	17. Acres Assigned to Well MV/DK - 320 (E/2) N/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease		
19. Proposed Depth 7456' (TVD) / 7771' (TMD)	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6811' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		RCVD JUN 15 2007 OIL CONS. DIV. DIST. 3
24. Authorized by: <u>Kandis Roland</u> Kandis Roland (Regulatory Technician)	<u>5/29/07</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFU

DATE 6/14/07

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

HOLD G104 FOR

Directional
Survey

NMOCD 6-28-07

B BH

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".

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

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

DISTRICT IV
1220 South 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

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

2007 MAY 29 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 34337	*Pool Code 72319/71599	*Pool Name Blanco Mesaverde / Basin Dakota
*Property Code 36058	*Property Name BLANCO WASH FEDERAL	*Well Number 2M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6811

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
G	34	28-N	9-W		1630	NORTH	1960	EAST	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
C	34	28-N	9-W		1150	NORTH	1885	WEST	SAN JUAN
*Dedicated Acres N2 320 acres (MV/DK)			*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

FD 2 1/2" BC 1916 GLO		S 89°45'43" W 2640.28' (M)	FD 2 1/2" BC 1916 GLO	S 89°53'09" W 2645.02' (M)	FD 2 1/2" BC 1916 GLO
1150'			1150'	1630'	
1885'					
BHL					
BOTTOM HOLE LOCATION LAT: 36.62248° N. (NAD 83) LONG: 107.77849° W. (NAD 83) LAT: 36°37.3485' N. (NAD 27) LONG: 107°46.6725' W. (NAD 27)				1960'	
N 00°11'38" E 5506.43' (M)		34			N 00°05'57" W 5378.11' (M)
LOT 1 46.15		LOT 2 45.04	LOT 3 44.10	LOT 4 43.16	
FD 2 1/2" BC 1916/1947 GLO				FD 2 1/2" BC 1916/1947 GLO	

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 12/20/06
Signature Date
Kandis Roland
Printed Name
Regulatory Technician

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.

NOVEMBER 15, 2006
Date of Survey
Signature and Seal of Professional Surveyor
PROF. A. RUSH
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
8894
Certificate Number

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- 34337
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease #USA SF-077111
7. Lease Name or Unit Agreement Name	Blanco Wash Federal
8. Well Number	#2M
9. OGRID Number	14538
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
BURLINGTON RESOURCES OIL & GAS COMPANY LP

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

4. Well Location
Unit Letter G : 1630' feet from the North line and 1960' feet from the East line
Section 34 Township 28N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6811'

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.

New Drill, Unlined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flame 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, vent/flame pit and pre-set mud pit will be unlined 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/flame 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 Kandis Roland TITLE Regulatory Technician DATE 5/24/07

Type or print name Kandis Roland E-mail address: urnskr@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JUN 28 2007

Conditions of Approval (if any):

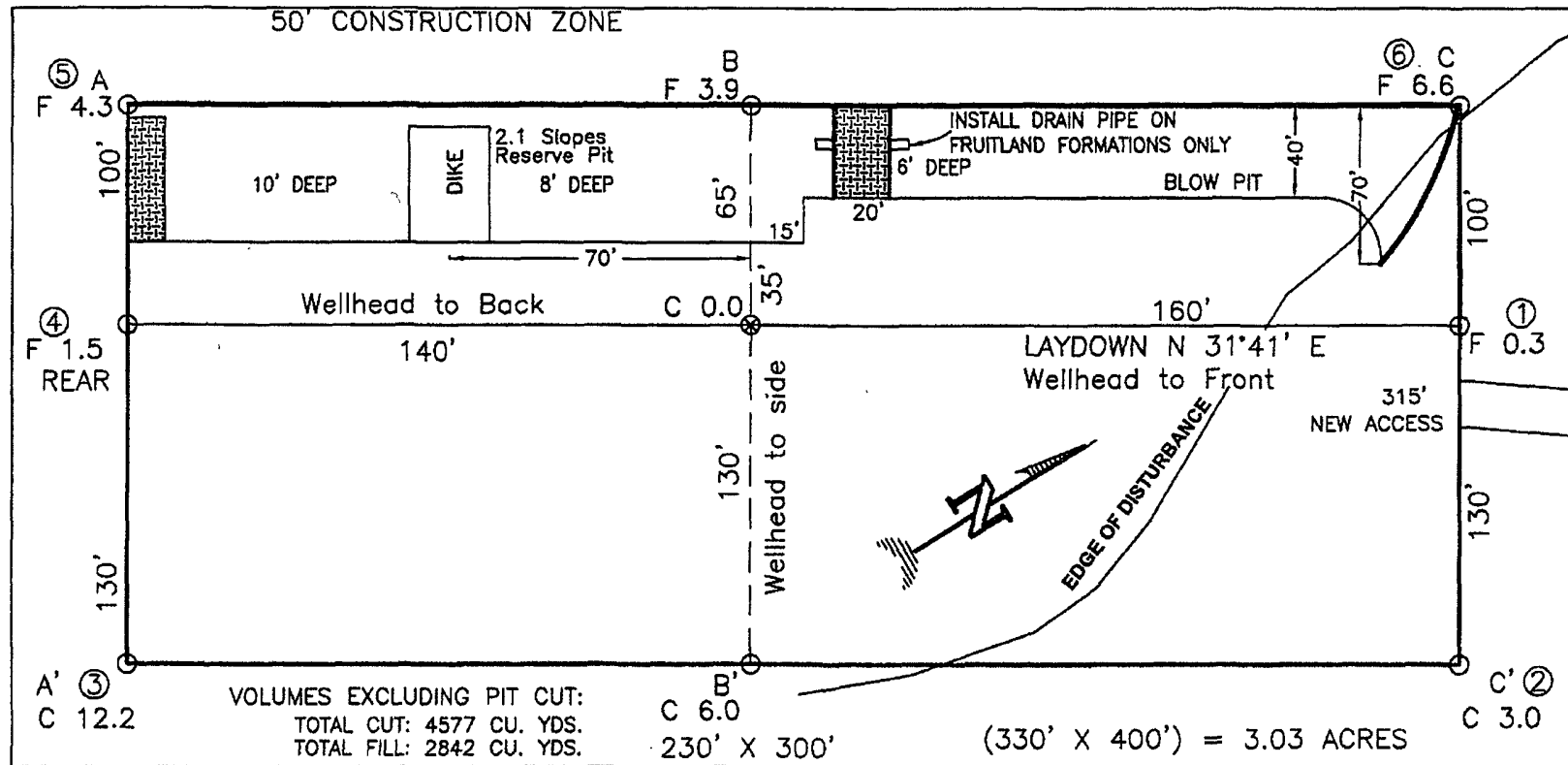
BURLINGTON RESOURCES OIL & GAS COMPANY LP

BLANCO WASH FEDERAL No. 2M, 1775 FNL 2055 FEL
SECTION 34, T-28-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6811, DATE: SEPTEMBER 21, 2006

NAD 83
LAT. = 36.62078° N
LONG. = 107.77388° W

NAD 27
LAT. = 36°37.2464' N
LONG. = 107°46.3960' W




RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

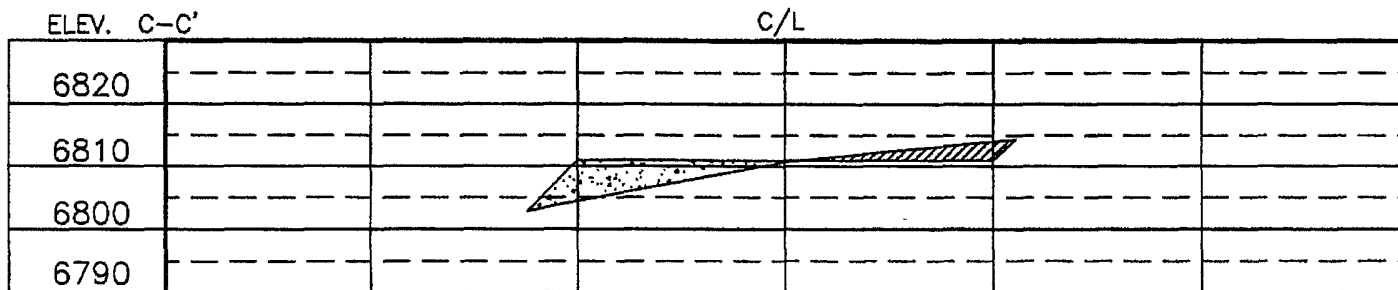
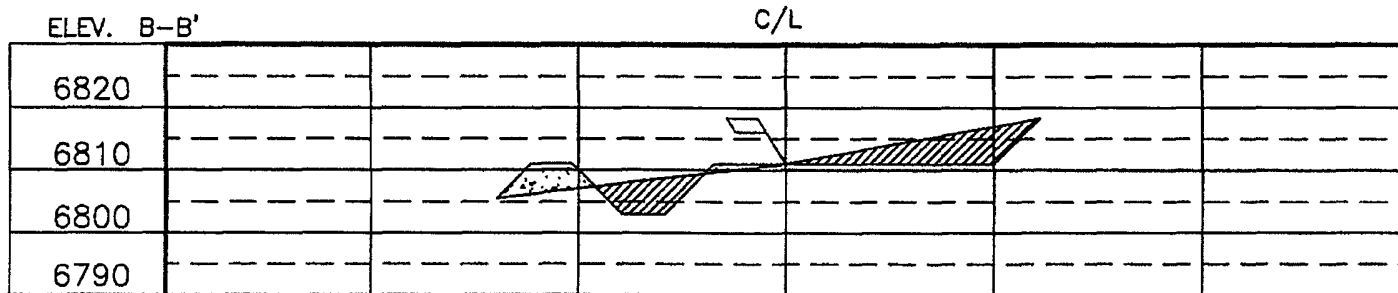
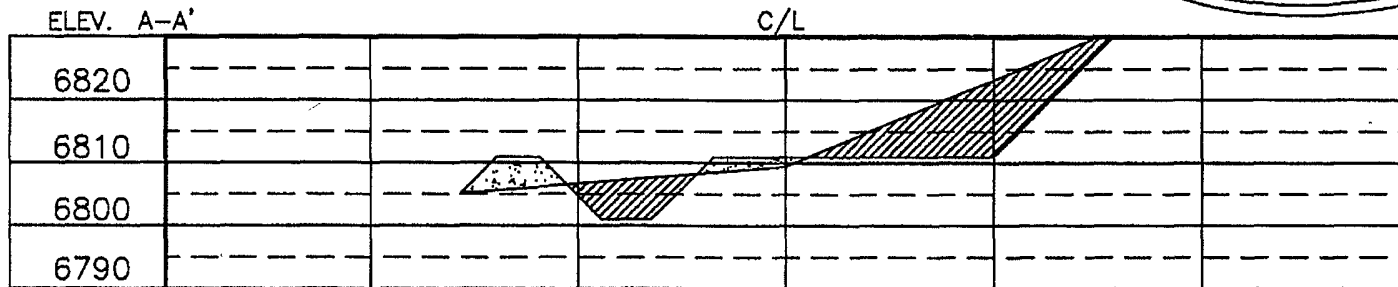
REVISION	DATE	REVISED BY
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15088 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-8019 NEW MEXICO L.S. 8894		
DRAWN BY: A.G.	CADD: BR647PLB	
ROW: BR647	DATE: 09/25/06	

BURLINGTON RESOURCES OIL & GAS COMPANY LP

BLANCO WASH FEDERAL No. 2M, 4775 FNL 2055 FEL
SECTION 34, T-28-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO


GROUND ELEVATION: 6811, DATE: SEPTEMBER 21, 2006

NAD 83
LAT. = 36.62078° N
LONG. = 107.77388° W
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REVISION:	DATE:	REVISED BY:
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: A.G.	CABLE: BR847CFS	
NOV: BR847	DATE: 9/25/06	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BLANCO WASH FEDERAL 2M

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7516D/7517M		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM County: SAN JUAN	
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
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.621170	Longitude: -107.773560	X: 517627.00	Y: 2045218.16	Section: 34	Range: 009W
Footage X: 1960 FEL	Footage Y: 1630 FNL	Elevation: 6811	(FT)	Township: 028N	

Tolerance:

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.622480	Longitude: -107.778490	X: 516274.39	Y: 2045836.94	Section: 34	Range: 9
Footage X: 1885 FWL	Footage Y: 1150 FNL	Elevation:	(FT)	Township: 28	

Tolerance:

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6823 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	6607	<input type="checkbox"/>			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 203 cuft. Circulate Cmt to surface.
OJO ALAMO	1985	4838	<input type="checkbox"/>			Surface twin/near #C-11
KIRTLAND	2072	4751	<input type="checkbox"/>			
FRUITLAND	2690	4133	<input type="checkbox"/>			
PICTURED CLIFFS	2968	3855	<input type="checkbox"/>			
LEWIS	3063	3760	<input type="checkbox"/>			
HUERFANITO BENTONITE	3500	3323	<input type="checkbox"/>			
CHACRA	3923	2900	<input type="checkbox"/>			
Intermediate Casing	4400	2423	<input type="checkbox"/>			8 3/4" hole. 7" 23 ppf L-80, LTC casing. Circulate cement to surface. Cement with 1052 cu.ft.
MASSIVE CLIFF HOUSE	4536	2287	<input type="checkbox"/>			
MENEFEE	4638	2185	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	5251	1572	<input type="checkbox"/>			
MANCOS	5570	1253	<input type="checkbox"/>			
UPPER GALLUP	6404	419	<input type="checkbox"/>			
GREENHORN	7171	-348	<input type="checkbox"/>			
GRANEROS	7230	-407	<input type="checkbox"/>			
TWO WELLS	7286	-463	<input type="checkbox"/>			
PAGUATE	7341	-518	<input type="checkbox"/>			Estimated bottom perf ~1475' TVD (105' below Paguate top)
CUBERO	7393	-570	<input type="checkbox"/>			BHL reach ~ 1518.2'
ENCINAL	7456	-633	<input type="checkbox"/>			Azimuth ~ 288.4

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BLANCO WASH FEDERAL 2M

DEVELOPMENT

Total Depth	7456	-633	<input type="checkbox"/>	2000	6 1/4" hole. 4 1/2", 11.6 ppf, L-80 LTC casing. Cement with 419 cu.ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
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Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	Blanco Wash Federal 3	SW27-28-9

Logging Program:	
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
Mudlog from 100' above the Greenhorn to TD.	

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

Comments: Location/Tops/Logging - DK28N09W34NW1 and MVNM028N009W34NW2

Zones - DK28N09W34NW1 and MVNM028N009W34NW2

General/Work Description - NO LEWIS