

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, 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-101
June 16, 2008

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Burlington Resources Oil & Gas, LP P.O. Box 4289 Farmington, NM 87499		² OGRID Number 14538	
		³ API Number 30 - 045- 35126	
⁴ Property Code 38088	⁵ Property Name Mar Vista SWD		⁶ Well No. 1
⁹ Proposed Pool 1 Blanco Mesaverde - 72319		¹⁰ Proposed Pool 2 RCVD WAR 22 '10	

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	29N	11W		290'	South	2490'	West	San Juan

⁸ Proposed 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
N									

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code S	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 5692'
¹⁶ Multiple N	¹⁷ Proposed Depth 3900'	¹⁸ Formation Mesaverde	¹⁹ Contractor	²⁰ Spud Date 2 nd Qtr 2010

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#/ft H-40	200'	343 cf	Surface
12-1/4"	9-5/8"	36#/ft J-55	2250'	1053 cf	Surface
8-3/4"	7"	29#/ft L-80	3900'	323 cf	2150'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Plans are to drill a SWD well that we will inject into the Cliffhouse interval of the Blanco Mesaverde. Attached is the drilling prognosis w/wellbore schematic we will be using to drill and complete this well. Also attached are the new plats and copy of the C108 that will be submitted to the NMOC in Santa Fe. We will be using the Type 3 of COPC/BR's Master Drilling Plan. Cement volumes are shown in cf not sx. The C144 will be submitted after the APD is approved.

In the area the Cliff House is permeable but water bearing as evidenced by wells with a very high calculated water saturation (90-100%) that bracket the proposed disposal site. The closest well to the proposed Mar Vista #1 disposal well is the Fogelson 2-1 well located in J-2-29N-11W. This well only has induction resistivity log across the Cliff House interval but the measured resistivity of 7-10 ohms is comparable to that seen in the Basin Disposal #1, an active disposal well in the Cliff House Sandstone in the NW/4 of 3-29N-11W.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Patsy Clugston

Printed name:

Patsy Clugston

Title:

Sr. Regulatory Specialist

E-mail Address:

Patricia.L.Clugston@conocophillips.com

Date:

3/18/10

Phone:

505-326-9518

OIL CONSERVATION DIVISION

Approved by:

[Signature]

Title:

DEPUTY OIL & GAS INSPECTOR, DIST. 8

Approval Date:

4/23/10

Expiration Date:

4/23/12

Conditions of Approval Attached ☐

SWD order approved prior to spud

APR 23 2010

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 West Grand Avenue, Artesia, N.M. 88210

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35126	² Pool Code 72319	³ Pool Name SWD/ SWD MESAVERDE
⁴ Property Code 38088	⁵ Property Name MAR VISTA SWD	⁶ Well Number 1
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5692'

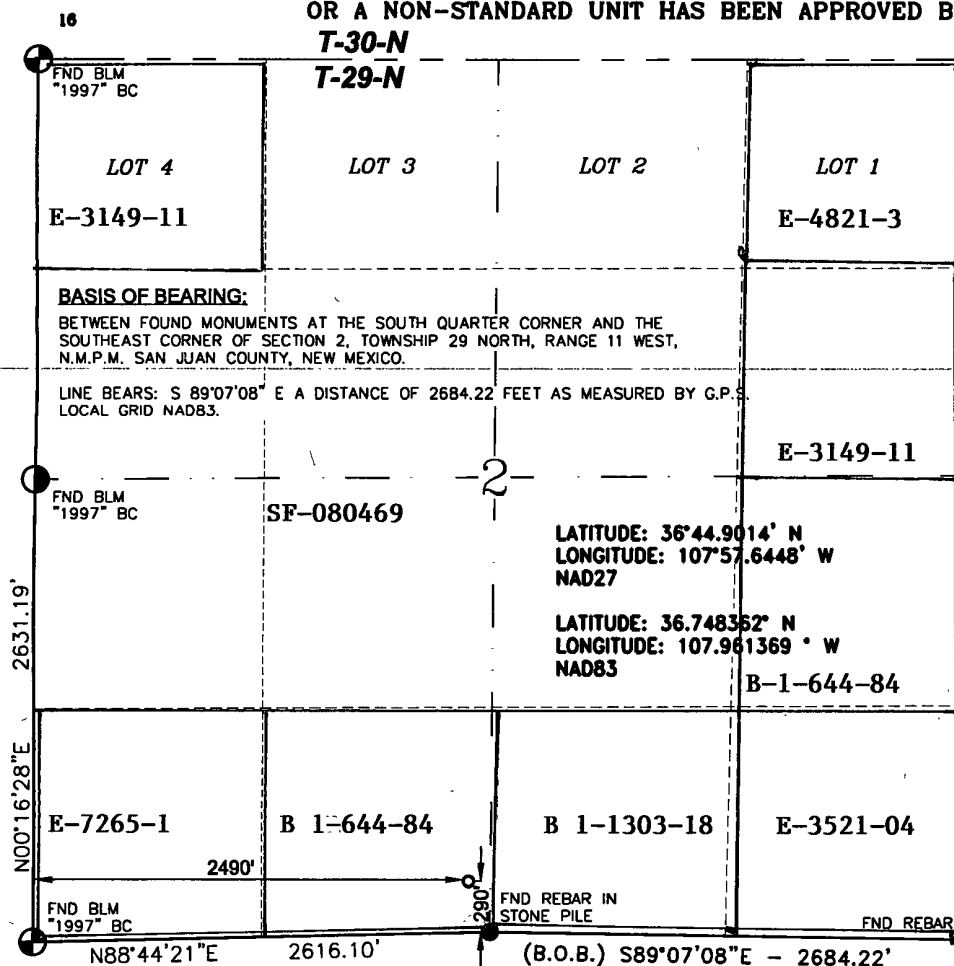
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	29-N	11-W		290	SOUTH	2490	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
N									
¹² Dedicated Acres N/A			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

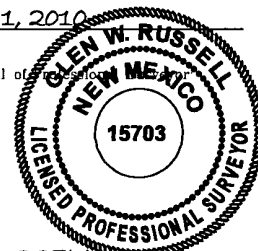
Patsy Clugston
Signature
Patsy Clugston 2/25/10
Printed Name

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 1, 2010
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MAR VISTA SWD 1

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9428		AFE \$: 480,970.00	
Field Name: SAN JUAN		Rig:	State: NM	County: SAN JUAN	API #:
Geologist:	Phone:	Geophysicist:	Phone:		
Geoscientist:	Phone:	Prod. Engineer:	Phone:		
Res. Engineer:	Phone:	Proj. Field Lead:	Phone:		
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.748357	Longitude: -107.960747	X:	Y:	Section: 002	Range: 011W
Footage X: 2490 FWL	Footage Y: 290 FSL	Elevation: 5692 (FT)	Township: 029N		
Tolerance:					
Location Type:		Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:	
Formation Data: Assume KB = 5707 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5507	<input type="checkbox"/>		
OJO ALAMO	707	5000	<input type="checkbox"/>		
KIRTLAND	828	4879	<input type="checkbox"/>		
FRUITLAND	1758	3949	<input type="checkbox"/>		gas
PICTURED CLIFFS	2017	3690	<input type="checkbox"/>	130	gas
LEWIS	2122	3585	<input type="checkbox"/>		
Intermediate Casing	2250	3457	<input type="checkbox"/>		
HUERFANITO BENTONITE	2759	2948	<input type="checkbox"/>		
CHACRA	3015	2692	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	3672	2035	<input type="checkbox"/>		water - well spot is within area commonly drilled with mud
MENEFEE	3717	1990	<input type="checkbox"/>		water
PRODUCTION CASING	3861	1846	<input type="checkbox"/>		8-3/4" hole, 7" 29 ppf, L-80, LTC casing. Cement w/ 323 cu.ft. Circulated cement to 100' above 9-5/8" shoe.
Total Depth	3861	1846	<input type="checkbox"/>		TD is planned for 150' below top of Menefee
Reference Wells:					
Reference Type	Well Name	Comments			
Production	Fogelson 1-2	SE section 2 29-11			

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
Platform Express should be run at TD over minimum footages with GR/Neutron being run back to surface.	

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

PROJECT PROPOSAL - New Drill / Sidetrack

MAR VISTA SWD 1

DEVELOPMENT

Comments: Location/Tops/Logging - Per request from water FIT team - stake in unit N so have short distance to pipeline to east - if unable to stake in N call for additional options. 12-16-09 2-19-10 The location and tops data is ready to go when subtasking catches up to this point. eap

Mar Vista SWD #1

Proposed Wellbore

Surface Casing:

13-3/8" 48# H-40
Set @ 200'

Cement w/343 cf Type III Cement +
3% CaCl₂ + 1/4#/sx Cello-flake
Cement to surface
15.2 ppg, 1.28 cf/sx 5.77 gal/sx

Intermediate Casing:

9-5/8" 36# J-55
Set @ 2250'

Cement w/1053 cf cement. Cement to surface
Lead: Premium Lite + 3% CaCl₂ + 1/4#/sx
Cello-flake + 5#/sx LCM-1 + 0.4% FL-52 +
8% Bentonite + 0.4% SMS
12.1 ppg 2.13 cf/sx, 11.29 gal sx
Tail: Type III cement + 1% CaCl₂ + 1/4#/sx
Cello-flake + 0.2% FL-52
14.6 ppg 1.38 cf/sx 6.64 gal/sx

Production Casing:

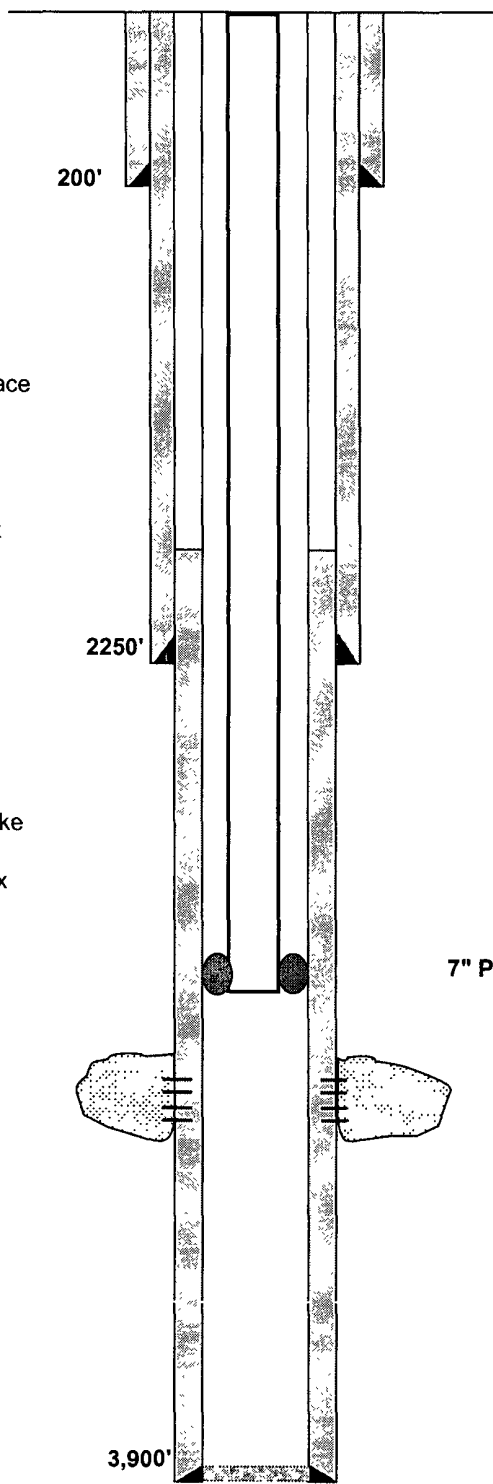
7" 29# L-80
Set @ 3,900'

Cement w/323 cf cement. Cement to 100'
inside the previous casing shoe.
Cement w/Premium Lite + 1/4#/sx Cello-flake
+ 0.3% CD-32 + 6.25 #/sx LCM-1
+1% FL-52 12.5 ppg, 1.98 cf/sx, 9.80 gal/sx

Injection String

4-1/2" J-55 IPC 10.5#
Set @ 3,580'

Ojo Alamo 707'
Kirtland 828'
Fruitland 1758'
Pictured Cliffs 2017'
Lewis 2122'
Huer. Bent. * 2759'
Chacra 3015'
Mass Cliffhouse 3672'
TD 3900'



7" Packer Set @ 3580'

Cliff House

3675'-3720' @ 4 spf
20/40 AZ Sand & Slickwater

3900'

Gina Bertoglio