

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMSF 078146
2. Name of Operator CONOCO INC.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 2197 DU 3066 HOUSTON, TX 77252		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 281.293.1005 Fx: 281.293.5466		8. Well Name and No. NEWBERRY LS 2C
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T32N R12W NESW 1500FSL 1955FWL		9. API Well No. 30-045-30581
		10. Field and Pool, or Exploratory BLANCO MESAVERDE/BASIN DAKOT
		11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco is proposing to change our wellplan from our original APD because of lost circulation problems with other wells recently drilled in this area. Attached is our change of wellplan, proposed wellbore schematic, and drilling program.

This sundry notice replaces the previous sundry submitted 12/19/01, Electronic submission # 9830

14. I hereby certify that the foregoing is true and correct. Electronic Submission #10245 verified by the BLM Well Information System For CONOCO INC., will be sent to the Farmington	
Name (Printed/Typed) DEBORAH MARBERRY	Title SUBMITTING CONTACT
Signature <i>Deborah Marberry</i> (Electronic Submission)	Date 02/01/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>Jim Lovato</i>	Title <i>Petr. Eng</i>	Date <i>2/5/02</i>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office <i>BLM-FFO</i>	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

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NMOCD

NEWBERRY LS 2C

Change of Wellplan

Background

We drilled the Hamilton 1B & are currently still drilling the Moore LS 7B in this area and on both of them we have encountered extreme lost circulation. We've also encountered gas at surface after losing circulation.

We would like to change the casing design to run an intermediate string of casing to isolate the upper formations while drilling the lower Mesa Verde & Dakota formations.

Wellbore Changes Proposed:

Surface: 14 3/4" Hole - TD @ 250'
11 3/4", 42 ppf, H-40, STC casing set @ 250'

Intermediate: 10 5/8" Hole - TD @ 4610'.
8 5/8", 24 ppf, J-55, STC casing set @ 4605'
If hole conditions (lost circulation) dictate we will run a DV tool @ 4000' and cement in two stages.

Production: 7 7/8" Hole
We will drill out with air to ~7350'. At that point the hole will be loaded with mud and drilled to TD @ 7493'.

5 1/2", 15.5 ppf, K-55, LTC casing set @ 7488' (long string back to surface).
If hole conditions (lost circulation) dictate we will run a DV tool @ 6800' and cement in two stages.

Cement:

Surface: Cement to surface.
230 sx Class H cement w/ 2% BWOC CACL2 & 1/4 #/sx Flocele.

Intermediate: Cement to surface. Volumes will be 25% over Caliper.
Lead: Class H cement with 3% Econolite, 10 #/sx Blended Silicalite, & 1/2 #/sx Flocele @ 11.4 ppg & 2.83 cuft/sx.
Tail (TOC @ 4000'): 50/50 POZ H cement with 3% Gel, 0.4% Halad 344, 0.2% CFR-3, 0.1% HR5, 20 #/sx Blended Silicalite, & 1/4 #/sx Flocele @ 12.8 ppg & 1.7 cuft/sx.
If a two stage job is needed the 1st Stage will be the Tail cement & the 2nd Stage will be the Lead cement.

Production: TOC @ 4000'. Volumes will be 25 % over caliper.
50/50 POZ H cement with 3% Gel, 0.4% Halad 344, 0.2% CFR-3, 0.1% HR5, 20 #/sx Blended Silicalite, & 1/4 #/sx Flocele @ 12.8 ppg & 1.7 cuft/sx.
If a two stage job is needed the 1st Stage will be the Tail cement & the 2nd Stage will be the Lead cement.

Logging:

Intermediate: Triple Combo (Platform Express)
If hole conditions permit: Dipole Sonic, Dipmeter (FMI), & Fracture ID.

Production: Triple Combo (Platform Express), Dipole Sonic, Dipmeter (FMI), & Fracture ID.

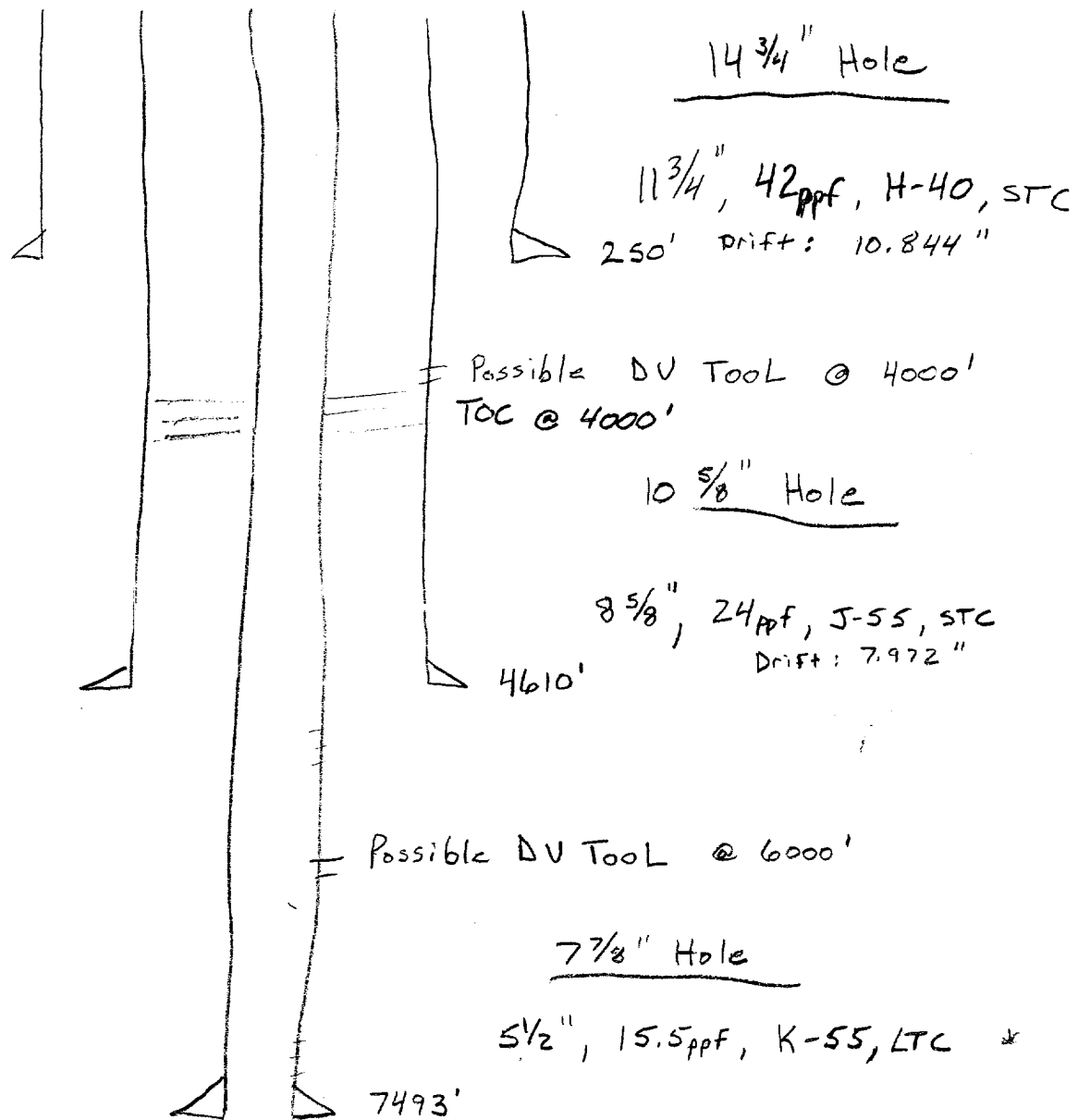
Brett W. Thompson

DRILLING PROGRAM - NEWBERRY LS 2C



Well: NEWBERRY LS 2C		Area: COLORADO CO		AFE #: None Assigned		AFE \$: 560901.4	
Field Name: NORTH		Rig: Key 49		State: NM		County: San Juan	
						API # 3004530581	
Surface Location:							
Lat.: 36° 56.3'		Long: 108° 5.1'		Footage X: 1500' FSL		Footage Y: 1955' FNL	
				Sec.: 34		Survey: T32N	
						Abstract: R12W	
ERA (Emergency Response Area):							
Lat: 36° 56.3'		Long: 108° 5.0'					
Formation Data : Ground Level = ⁶¹⁵⁵ 6108 FT Assume KB = 6168 FT							
Formation Call & Casing Points	Depth (TVD in Ft)	BHP (PSIG)	BHT	Remarks			
Surface Casing	250			Severe lost circulation. 11 3/4", 42 ppf, H-40, STC casing. Circulate cement to surface.			
OJAM	630			Water flows.			
KRLD	682						
FRLD	1903			Gas.			
PCCF	2863			Lost Circulation.			
CLFH	4238			Gas. DV tool @ 4000' (IF 2 stage CMT job is needed).			
MENF	4458	1100		Gas.			
Intermediate Casing	4610			8 5/8", 24 ppf, J-55, STC Casing. Circulate cement to surface. Possible 2 Stage CMT job based on hole conditions.			
PTLK	4908	500		Gas.			
GRHN	7020			Gas. Highly fractured. DV tool @ 6800' (IF 2 stage CMT job is needed)..			
GRRS	7076						
TWLS	7126	2300		Gas.			
PAGU	7208	2500		Gas. Highly Fractured.			
CBBO	7263	2700		Gas. Mud up @ 7350' to drill lower DKTA.			
BRRO	7341			Gas.			
Total Depth	7493	3150		5 1/2", 15.5 ppf, K-55, LTC casing. Planned TOC @ 4000'. Possible 2 Stage CMT job based on hole conditions.			
Logging Program :							
Intermediate Logs:	☐ Log only if show ☐ GR / ILD ☒ Triple Combo ☒ Dipmeter (FMI), Dipole Sonic, & Fracture ID.						
TD Logs:	☒ Triple Combo ☒ Dipmeter ☐ RFT ☒ Sonic ☐ VSP ☐ TDT ☒ Fracture ID						
Additional Information:							
Comments							

NEWBERRY LS 2C



CMT

11 3/4" → 16.5_{ppg} @ 1.07 ft³/sx w/ 100% Excess

8 5/8" → Lead: 11.4_{ppg} @ 2.83 ft³/sx w/ 60% Excess

Tail: 12.8_{ppg} @ 1.70 ft³/sx w/ 60% Excess
(OR 2 STAGE) (T/4000')

5 1/2" → 12.8_{ppg} @ 1.70 ft³/sx w/ 60% Excess
(TOL @ 4000') (OR 2 STAGE)

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5. Lease Serial No. SF-078146		6. If Indian, Allottee or Tribe Name		7. If Unit or Co/Agreement, Name and/or No.		8. Well Name and No. NEWBERRY LS 2C		9. API Well No.		10. Field and Pool, or Exploratory BLANCO MESAVERDE/BASIN DAKO		11. County or Parish, and State SAN JUAN COUNTY, NM	
2. Name of Operator CONOCO INC.		Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com		3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799 Fx: 915.686.6503		3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705		4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T32N R12W NESW 1500FSL 1955FWL					

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Conoco Inc. requests to change this well from "air drilled" to "mud drilled". A revised well plan and cement plan are attached herewith.

14. I hereby certify that the foregoing is true and correct.		Electronic Submission #9830 verified by the BLM Well Information System For CONOCO INC., will be sent to the Farmington	
Name (Printed/Typed) VICKI WESTBY		Title AUTHORIZED SIGNATURE	Date 12/19/2001
Signature (Electronic Submission)		Date 12/19/2001	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

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MMOCD

PROJECT PROPOSAL - New Drill / Sidetrack



Well : NEWBERRY LS 2C	Lease : NEWBERRY LS	AFE # : 3414 (MV)	AFE \$:
Field Name : NORTH	Rig : Key 49	State : NM	County : San Juan
Geoscientist : Campbell, Lisa M.	Phone : (281) 293 - 6527	Prod. Engineer : Durkee, Marc	Phone : (281) 293 - 6530
Res. Engineer : Boneau, Trent C.	Phone : (281) 293-6520	Proj. Field Lead :	Phone :

Primary Objective (Zones) :

Pool	Pool Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

"Had Drilled"

Surface Location :

Latitude :	Longitude :	X :	Y :	Section : 34	Survey : 32N	Abstract : 12W
Footage X : 1955 FWL	Footage Y : 1500 FSL	Elevation:	6155 (FT)			

Bottom Hole Location :

Latitude :	Longitude :	X :	Y :	Section :	Survey :	Abstract :
Location Type : Year Round	Start Date (Est.) :	Completion Date :	Date In Operation :			

Formation Data : Assume KB = 6168 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion	BHP (PSIG)	BHT	Remarks
Surface Casing	500	5668				Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	630	5538				Possible water flows"
KRLD	682	5486				
FRLD	1903	4265				Possible gas
PCCF	2863	3305				
CLFH	4238	1930				Gas; possibly wet. Possible DV tool above CLFH top.
MENF	4458	1710		1100		Gas
PTLK	4908	1260		500		Gas. Possible DV tool above PTLK top.
GRHN	7020	-852				Gas possible, highly fractured
GRRS	7076	-908				
TWLS	7126	-958		2300		Gas
PAGU	7208	-1040		2500		Gas
CBBO	7263	-1095		2700		Gas
BRRO	7341	-1173				
Total Depth	7493	-1325				4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack



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Logging Program :

Intermediate Logs :

☐ Log only if show ☐ GR / ILD ☐ Triple Combo

TD Logs :

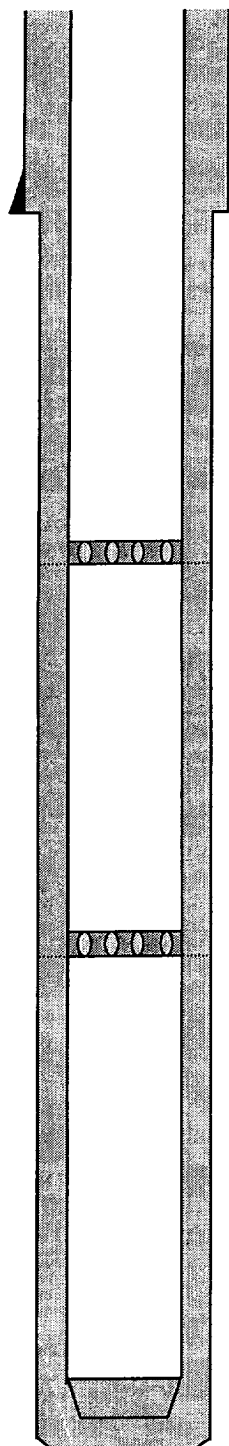
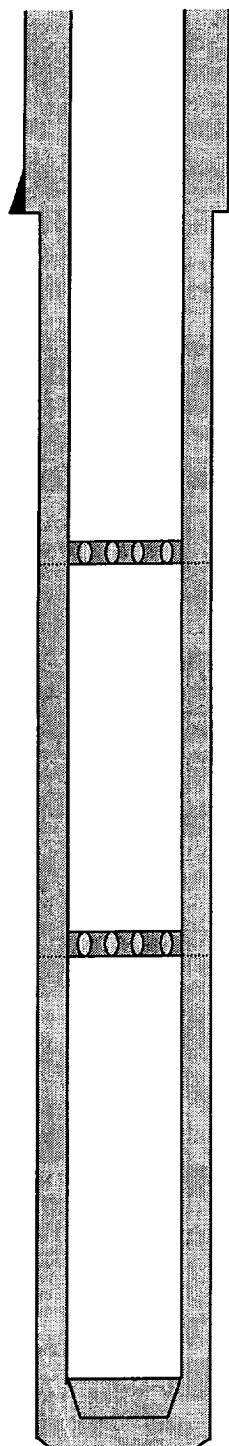
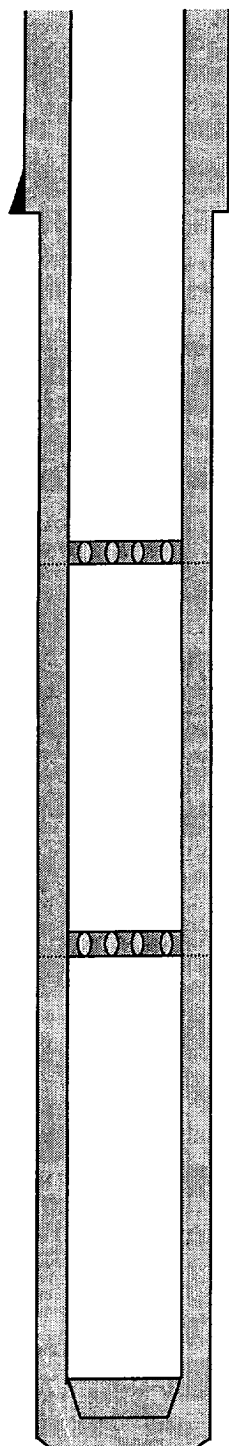
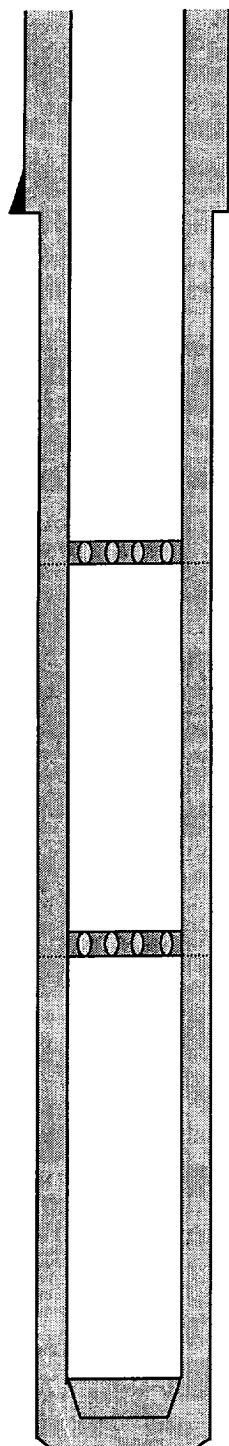
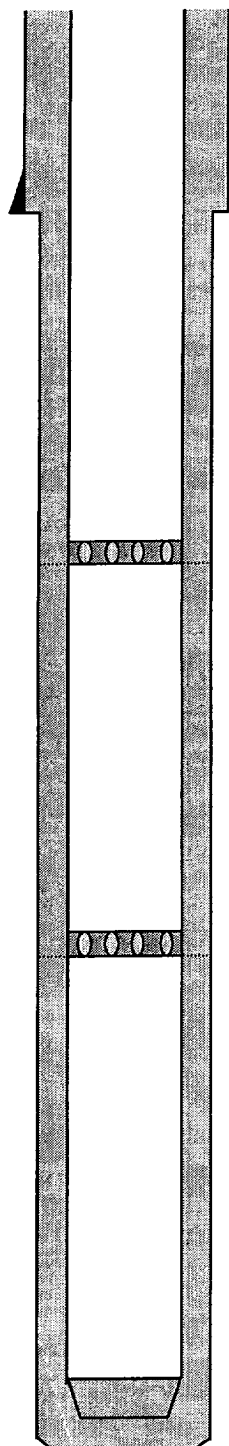
☒ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT

Additional Information :

Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.
Cased hole TDT with GR to surface.

Comments : Additional logging for Lawrence Berkley labs.

Cementing Summary
Newberry LS 2C

	Depth	OH							
		Depth	Excess						
	9-5/8" Sfc. Casing	0		Class 'H' Cement	312 sx	Slurry Volume	330.6 cu ft		
				Flocele (if req'd)	0.25 lb/sk		58.9 bbl		
				CaCl ₂	2.00% bwoc-db	Slurry Density	16.5 ppg		
				Defoamer (if req'd)	0.05 gal/bbl	Slurry Yield	1.06 cu ft/sk		
						Mix Fluid	4.2 gal/sk		
	9-5/8" shoe	500	100%	Cement Blend	563 sx	Slurry Volume	1592.1 cu ft		
				Class 'H' Cement	84 lb/sk		283.6 bbl		
				San Juan Poz	lb/sk	Slurry Density	11.4 ppg		
				Econolite	3.00% bwob	Slurry Yield	2.83 cu ft/sk		
				CaCl ₂	bwob	Mix Fluid	17.29 gal/sk		
				CFR-3	bwob				
				HR-5	bwob				
				Silicalite-blended	10 lb/sk				
				Flocele	0.5 lb/sk				
				Defoamer (if req'd)	0.05 gal/bbl				
	DV Tool #2 Stage #3	4,088	75%	Cement Blend	176 sx	Slurry Volume	298.87 cu ft		
				Class 'H' Cement	47 lb/sk		53.2 bbl		
				San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg		
				Bentonite	3.00% bwob	Slurry Yield	1.70 cu ft/sk		
				Halad-344	0.40% bwob	Mix Fluid	8.26 gal/sk		
				CFR-3	0.20% bwob				
				HR-5	0.10% bwob				
				Silicalite-blended	20 lb/sk				
				Flocele	0.25 lb/sk				
				Defoamer (if req'd)	0.05 gal/bbl				
	DV Tool #1 Stage #2	4,808	60%	Cement Blend	602 sx	Slurry Volume	1,022.6 cu ft		
				Class 'H' Cement	47 lb/sk		182.1 bbl		
				San Juan Poz	24 lb/sk	Slurry Density	12.8 ppg		
				Bentonite	3.00% bwob	Slurry Yield	1.70 cu ft/sk		
				Halad-344	0.40% bwob	Mix Fluid	8.26 gal/sk		
				CFR-3	0.20% bwob				
				HR-5	0.15% bwob				
				Silicalite-blended	20 lb/sk				
				Flocele	0.25 lb/sk				
				Defoamer (if req'd)	0.05 gal/bbl				
	4-1/2" Csg Sr Stage #1	7,493	60%						

Note: Conoco to verify DV depths, hole sizes, etc.
Based on 7-7/8" open-hole for production string.