

CEMENT JOB REPORT



CUSTOMER HIGH SIERRA WATER SERVIC		DATE 02-OCT-13	F.R. # 10011016958	SERV. SUPV. COLE W MARRIOTT									
LEASE & WELL NAME SWD #C7B - API 05123345200000		LOCATION 34-7N-63W		COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG #		TYPE OF JOB Surface									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS MD TVD									
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, Ball Valve, 9-5/8 - 8rd											
		Float Shoe 9-5/8 - 8rd											
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES									
				SACKS OF CEMENT	SLURRY WGT PPG								
Fresh Water + Dye		0		0	8.34								
Surface Cement		191		14.5	1.41								
Fresh Water		0		0	8.34								
Available Mix Water 250 Bbl.		Available Displ. Fluid 100 Bbl.		TOTAL									
				96.43 30.47									
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
12.25	35	595	8.921	9.625	36	CSG	550	550	J-55	588	545	0	
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH			TOP CONN		WELL FLUID		
ID	OD	WGT.	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	
			No Packer					0			9.625	8RD	
											WATER BASED	9.6	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI		MAX CSG PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	MIX WATER		
42.1	BBLS	Fresh Water	8.34	172	0	0	0	0	2160	1000	Rig		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 5 BPM				
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL						PV & YP Mud In: 16			PV & YP Mud Out: 16				
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:						Solids Present at End of Circulation:			NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Displacement And Mud Removal													
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 1 BBLS							
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: Visual							
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES							
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 4			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD													
Plugs													
Number of Attempts by BJ: 0						Competition: 0			Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:				
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES							
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Top of Plug: 0 FT			Bottom of Plug: 0 FT				
Squeezes (Update Original Treatment Report for Primary Job)													
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>					
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL							
Casing Test (Update Original Treatment Report for Primary Job)													
Casing Test Pressure: 0 PSI						With 0 LBS/GAL Mud			Time Held: 00 Hours 00 Minutes				
Shoe Test (Update Original Treatment Report for Primary Job)													
Depth Drilled out of Shoe: 0 FT						Target EMW: 0 LBS/GAL			Actual EMW: 0 LBS/GAL				
Number of Times Tests Conducted: 0						Mud Weight When Test was Conducted: 0 LBS/GAL							

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

None

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3623 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
20:35	0	0	0	0	N/A	Arrive on location 53 miles	
20:40	0	0	0	0	N/A	Spot trucks rig ready for service	
20:50	0	0	0	0	N/A	Pre rig up safety meeting	
21:50	0	0	0	0	N/A	Pre job safety meeting	
22:12	3623	0	0	0	H2O	Pressure test	
22:17	199	0	4.6	10	H2O	Fresh water	
22:20	199	0	4.6	10	H2O	Dye spacer	
22:26	99	0	2.4	44	CMT	Batch up weigh and pump 191 sxs of 14.5 ppg cement	
22:50	0	0	0	0	N/A	Drop plug	
22:53	273	0	4.7	42	H2O	Displacement	
23:11	546	0	0	0	N/A	Plug down	
23:13	0	0	0	0	N/A	Check floats, they held	
23:15	0	0	0	0	N/A	Shut well in and left head and manifold	
BUMPED PLUG		PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		273	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12	106	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Service Supervisor Signature:							

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Brian Watson

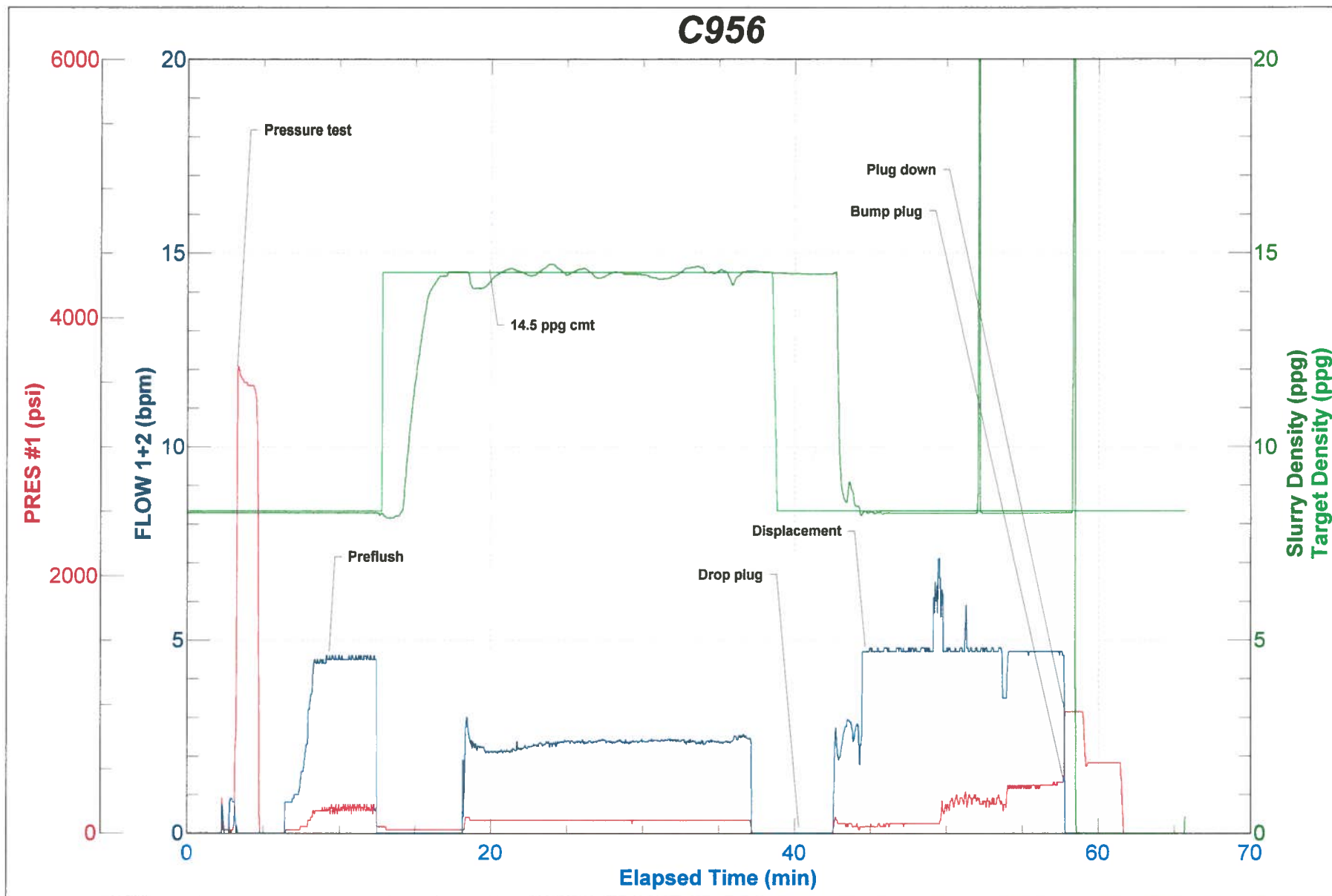


Baker Hughes JobMaster Program Version 3.60

Job Number: 10011016958

Customer: High Sierra

Well Name: SWD C7B



CEMENT JOB REPORT



CUSTOMER HIGH SIERRA WATER SERVIC		DATE 23-OCT-13	F.R. # 10011018024	SERV. SUPV. BARLEN M JOYNER											
LEASE & WELL NAME SWD #C7B - API 05123345200000		LOCATION 34-7N-63W		COUNTY-PARISH-BLOCK Weld Colorado											
DISTRICT Brighton		DRILLING CONTRACTOR RIG #		TYPE OF JOB Intermediate											
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD										
Cement Plug, Rubber, Top 7 in	Float Collar, Al Flap, 7 - 8rd	NONE	0	0	NONE 0 0										
	Float Shoe 7 - 8rd														
	Stage Cementing Tool 7 - 8rd														
	Centralizer, with Pins, 7 in														
PHYSICAL SLURRY PROPERTIES															
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS PUMP TIME HR:MIN Bbl SLURRY Bbl MIX WATER										
Fresh Water	0	0	8.34	0	0 00:00 10										
UltraFlush Spacer	0	0	11.5	0	0 00:00 20										
(50:50:2) + Adds	C10-037-13	225	14.4	1.45	6.34 02:56 58.11 33.96										
Drilling Mud	0	0	9.6	0	0 00:00 335										
Fresh Water	0	0	8.34	0	0 00:00 10										
Ultra Flush	0	0	11.5	0	0 00:00 20										
PLC + Adds	C10-037-13	649	12.7	1.86	9.99 04:48 214.99 154.71										
50:50:2 + Adds	C10-037-13	104	14.4	1.45	6.34 02:55 26.86 15.70										
Fresh Water	0	0	8.34	0	0 00:00 273.58										
Available Mix Water 900 Bbl.		Available Displ. Fluid 230 Bbl.		TOTAL 968.54 204.37											
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS									
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
8.75	0	8810	6.276	7	26	CSG	8803	8515	P-110	8803	8752	7133			
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH			TOP CONN		WELL FLUID				
ID	OD	WGT.	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
8.9	9.63	36	CSG	550	550	NO LINER		0	0	0	7	8RD	WATER BASED	9.6	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER				
VOLUME	UOM	TYPE		WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator				
335	BBLS	Drilling Mud		9.6	1706	0	0	0	0	6780	3000	RIG TANK			
		Fresh Water		8.34											
Circulation Prior to Job															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 3				Circulation Rate: 6 BPM							
Mud Density In: 9.6 LBS/GAL				Mud Density Out: 9.6 LBS/GAL				PV & YP Mud In: 35				PV & YP Mud Out: 35			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:				Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>							
Displacement And Mud Removal															
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.5 BBLS											
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: VISUAL											
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES											
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE															
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 66				Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID							
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD															
Plugs															
Number of Attempts by BJ: 0				Competition: 0				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:							
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES											
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT				Bottom of Plug: 0 FT							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE															

CEMENT JOB REPORT



Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☒
 Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NONE

PRESSURE/RATE DETAIL


EXPLANATION


TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
	PIPE	ANNULUS				
						SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
						TEST LINES 4427 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
11:00	0	0	0	0	N/A	YARD CALL
14:00	0	0	0	0	N/A	ARRIVE ON LOCATION (53 MILES) RIGGING DOWN CASERS
14:00	0	0	0	0	N/A	HAVE TO CIRCULATE A FEW HOURS TILL VISC GETS DOWN
15:00	0	0	0	0	N/A	SPOT TRUCKS
15:10	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING
16:45	0	0	0	0	N/A	SAFETY MEETING
17:08	4427	0	0	0	WATER	PRESSURE TEST
17:12	624	0	6.5	10	WATER	FRESH WATER SPACER
17:17	456	0	4.1	20	WATER	ULTRA-FLUSH SPACER
17:25	511	0	5.5	56	CMT	BATCH UP, WEIGH AND PUMP 225 SX OF POZ/G + 0.05% R-3 + 0.2% CD-32 + 0.5% FL-52 + 0.3% SMS + 20% S-8 + 2% BENTONITE @ 14.4 PPG
17:43	0	0	0	0	N/A	DROP PLUG AND WASH UP PUMPS AND LINES
17:48	255	0	7.2	268	MUD	START DISPLACEMENT
18:28	98	0	1.3	10	MUD	SLOW AROUND DV TOOL
18:36	381	0	5	47	MUD	INCREASE RATE AFTER TOOL
18:47	704	0	3.6	10	MUD	DROP RATE
18:51	1005	0	3.6	335	MUD	BUMP PLUG
18:51	1512	0	0	0	N/A	PLUG DOWN @ 335 BBLs
18:56	3128	0	0	0	WATER	OPEN STAGE TOOL AND ESTABLISH CIRCULATION
19:03	968	0	5.2	5	WATER	CIRCULATE WELL
19:19	0	0	0	0	N/A	SWITCH WELL OVER TO RIG
19:23	0	0	0	0	N/A	VERIFY CIRCULATION
01:36	648	0	6.5	10	WATER	FRESH WATER SPACER
01:42	357	0	4.1	20	WATER	ULTRA-FLUSH SPACER
01:50	575	0	6.5	221	CMT	BATCH UP, WEIGH AND PUMP 649 SX OF PLC + 0.7% FL-52 + 0.2% ASA-301 + 6% BENTONITE @ 12.7 PPG
02:38	91	0	3.1	25	CMT	BATCH UP, WEIGH AND PUMP 104 SX OF POZ/G + 0.2% CD-32 + 0.5% FL-52 + 0.3% SMS + 20% S-8 + 2% BENTONITE @ 14.4 PPG
02:48	0	0	0	0	N/A	DROP PLUG
02:49	150	0	7.2	120	WATER	START DISPLACEMENT
03:09	629	0	5.6	134	WATER	DROP RATE

CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
	PIPE	ANNULUS				TEST LINES 4427 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
03:32	1714	0	4.8	10	WATER	DROP RATE
03:35	1685	0	3.6	10	WATER	DROP RATE
03:43	1818	0	3.6	274	WATER	BUMP PLUG
03:43	2486	0	0	0	N/A	PLUG DOWN @ 274 BBLS
03:45	0	0	0	0	N/A	JOB DONE
03:45	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING
04:30	0	0	0	0	N/A	TIME OFF LOCATION

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1818	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	45	976	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

 Brian Watson

