

CEMENT JOB REPORT



CUSTOMER NGL WATER SOLUTIONS DJ L		DATE 12-NOV-14	F.R. # 10011115238		SERV. SUPV. JASON L SJOBERG									
LEASE & WELL NAME NGL #C1C - API 05123403770000		LOCATION 8-4N-64W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Savanna 650		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	Stage Cementing Tool 7 - 8rd													
Cement Plug, Rubber, Top 7 in	Float Collar, Auto Fill, 7 - 8rd													
	Float Shoe 7 - 8rd													
	Centralizer, with Pins, 7 in													
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES											
			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER					
Fresh Water				8.34				20						
UltraFlush Spacer				11.5				0						
(50:50:2) + Adds	C1104114	200	14.4	1.45	6.32			51.65	30.14					
Fresh Water				8.34				90						
Fresh Water				8.34				20						
UltraFlush				11.5				0						
PLC + Adds	C1104114	670	12.7	1.86	9.98			221.95	159.56					
(50:50:2) + Adds	C1104114	110	14.4	1.45	6.33			28.41	16.59					
Fresh Water				8.34				288.12						
BJ SealBond Spacer				11.5				40						
BJ SealBond Spacer				11.5				20						
MUD				9.4				254						
MUD				9.4				286						
Available Mix Water 350 Bbl.		Available Displ. Fluid 350 Bbl.		TOTAL		1320.13	206.28							
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	0	9045	6.276	7	26	CSG	9035		N-80	9035	8988	7494		
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	704	704	No Packer		0	0	0	7	BUTT	WATER BASED	9.4
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				
344	BBLS	Fresh Water	8.34	543	0	0	0	0	7968	3000	Rig			
		Fresh Water	8.34											
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 4 BPM					
Mud Density In: 9.4 LBS/GAL Mud Density Out: 9.4 LBS/GAL						PV & YP Mud In:			PV & YP Mud Out:					
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: 2 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"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 60			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														
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None														

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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
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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)
Could not get adequate flow from the rig for mud. We were able to get mud at 3 bbls/min. The Co man said it was ok to add water to the mud to be able to pump at a higher displacement rate.
Before starting second stage, rig had to pump out their day tank because of mud contamination when they were filling it.
Had to displace at 3.5 bbls/min for the first part of displacement on the second stage till rig could increase rate of mud being sent.

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	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
	PIPE	ANNULUS				
						TEST LINES 6616 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:30	0	0	0	0	N/A	Yard Call
19:38	0	0	0	0	N/A	Leave Yard
20:44	0	0	0	0	N/A	Arrive on Location
21:20	0	0	0	0	N/A	Spot Trucks/Pre Rig-up Safety Meeting
00:30	0	0	0	0	N/A	Safety Meeting
02:09	6616	0	0	0	H2O	Pressure Test Pump and Lines
02:18	180	0	4.8	20	H2O	Preflush Fresh Water
02:25	20	0	4.8	20	H2O	Preflush Sealbond Spacer
02:44	282	0	4.6	51	CMT	Batch, Weigh, Pump 14.4# 50:50 Poz G + .1% R-3 + .2% CD-32 + .5% FL-52 + .1% SMS + 20% Silica Flour + 2% Bentonite
03:19	0	0	0	0	N/A	Drop Dart
03:22	0	0	4.8	90	H2O	Displacement
03:44	282	0	6	60	MUD	Displacement
04:03	150	0	4.8	120	MUD	Drop Rate
04:24	190	0	2.1	20	MUD	Drop Rate (Dart going through tool)
04:32	684	0	4.8	30	MUD	Increase Rate
04:38	941	0	4	20	MUD	Drop Rate
04:42	878	0	3	4	MUD	Drop Rate
04:43	894	0	3	344	MUD	Bump Plug
04:48	1576	0	0	0	N/A	Check Floats
04:50	0	0	0	0	N/A	Drop Bomb
05:34	860	0	1	1	H2O	Open DV Tool
05:36	320	0	4	21	H2O	Circulate
05:40	0	0	0	0	N/A	Shut down and switch over to rig to circulate till 2nd stage
09:30	0	0	0	0	N/A	Rig had contaminated water, waiting for fresh water

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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	6616 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:20	0	0	0	0	N/A	Safety Meeting	
13:01	5472	0	0	0	H2O	Pressure Test	
13:06	0	0	4.8	20	H2O	Preflush Fresh Water	
13:12	0	0	4.8	40	H2O	Preflush Sealbond	
13:34	0	0	4.8	211	CMT	Batch, Weigh, Pump 12.7# PLC + .7% FL-52 + .2% ASA 301 + 6% Bentonite	
14:28	0	0	3.6	27	CMT	Pump 14.4# 50:50 Poz G + .2% CD-32 + .5% FL-52 + .1% SMS + 20% Silica Flour + 2% Bentonite	
14:36	0	0	0	0	N/A	Drop Plug	
14:44	0	0	3.6	150	MUD	Displacement	
15:30	286	0	4.8	120	MUD	Increase Rate	
15:56	1483	0	2.4	13	H2O	Drop Rate	
16:02	0	0	0	0	N/A	Shut down, rig ran out of water	
16:06	1413	0	1	3	H2O	Displacement	
16:11	1681	0	1	286	H2O	Bump Plug	
16:13	3522	0	0	0	MUD	Casing Test	
16:20	3577	0	0	0	MUD	End Casing Test	
16:50	0	0	0	0	N/A	Post Job Safety Meeting	

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 894	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 15	TOTAL BBL. PUMPED 1040	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature: _____
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