

CEMENT JOB REPORT



CUSTOMER BAYSWATER EXPLORATION &		DATE 20-SEP-15	F.R. # 10011176873		SERV. SUPV. Daniel F Kuenz									
LEASE & WELL NAME CARLSON #E-15-16HC - API 05123417130000		LOCATION 15-5N-65W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Frontier 8		TYPE OF JOB Long String										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD TVD HANGER TYPES MD TVD								
4-1/2" Top Cem Plug, Nitrile cvr, Phe		Float Collar, Pop Valve, 4-1/2 - 8rd												
		Float Shoe 4-1/2 - 8rd												
		Stop Collar, 4-1/2 in												
		Centralizer, with Pins, 4-1/2 in												
		Thread Locking Compound												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³								
Fresh Water					8.34									
Ultra Flush II					10.5									
50:50Poz:G+.25%R3+.2%FL63+.6%FL52				670	14.5	1.44								
+20%SF+3%Gel+.01gpsFP6L						6.18								
Sugar Water					8.34									
Fresh Water+Alpha 1427+Clay Care					8.34									
Over Displacement FW w/ Additives					8.34									
Available Mix Water <u>200</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		TOTAL		Bbl SLURRY Bbl MIX WATER								
						478.2 98.57								
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
6.125	18	14840	3.92	4.5	13.5	CSG	14837	7056	P-110	14837	14823.8	1		
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.
6.3	7	26	CSG	7376	7056	No Packer		0	0	0	4.5	BTC	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				
221.4	BBLS	Fresh Water+Alpha 1	8.34	796	0	0	0	0	12410	9928	Rig Tanks			
		Over Displacement F	8.34											
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2.5				Circulation Rate: 6.2 BPM						
Mud Density In: 9.4 LBS/GAL				Mud Density Out: 9.4 LBS/GAL				PV & YP Mud In: 12		PV & YP Mud Out: 12				
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: .25 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES										
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 15				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				

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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)
Bulk Truck E391 bleed off ball valve failed, changed out during job with ball valve from another bulk truck. 100 bbls into displacement air drier canister on cement pump blew apart. Shut down 22 min to create bypass.

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Rig running into hole with casing when we arrived on location. Appro 10 joints casing left to run into hole.

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	6190 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
02:30						YARD CALL	
04:15						PRE-JOB CONVOY SAFETY MEETING	
04:30						DEPART BHI YARD	
05:30						ARRIVE ON LOCATION	
05:35						SAFETY WALK AROUND ON LOCATION	
05:40						PRE-RIG UP SAFETY MEETING	
05:41						CASING LANDED, RIG RIGGING DOWN CASING CREW	
05:45						SPOT CEMENT EQUIPMENT ON LOCATION	
05:46	1096	0	6.2	900	WBM	RIG CIRCULATING	
05:55						RIG UP GROUND IRON, WATER HOSES, BULK TRUCKS	
06:00						CHECK IN WITH COMPANY MAN	
07:00						ALL EO'S OFF DUTY WELLSITE, RIG CIRCULATING	
08:00						ALL EO'S BACK ON DUTY	
08:05						PRE-JOB SAFETY MEETING	
08:15						STAB CEMENT HEAD, FINISH RIGGING UP IRON ON RIG FLOOR	
08:33	129	0	1.2	2	H2O	LOAD LINES, FRESH WATER SPACER	
08:36	6190	0	0	0	H2O	PRESSURE TEST HARD LINES	
08:42	196	0	4.2	18	H2O	FRESH WATER SPACER	
08:47	0	0	0	0	H2O	BATCH UP ULTRA FLUSH II SPACER 10.5#	
08:51	869	0	4.9	60	H2O	ULTRA FLUSH II SPACER @ 10.5#	
09:14	0	0	0	0	CEMENT	BATCH UP CEMENT SLURRY 14.5#	
09:21	996	0	4.9	100	CEMENT	670sks (50:50)Poz:G @ 14.5# CEMENT SLURRY	
09:42	690	0	4.9	71.8	CEMENT	670sks (50:50)Poz:G @ 14.5# CEMENT SLURRY	
10:13	0	0	0	0	CEMENT	SHUT DOWN, WASH UP CEMENT PUMP, DROP TOP PLUG	
10:24	96	0	5.6	10	H2O	SUGAR WATER DISPLACEMENT SPACER	
10:26	109	0	6.2	46	H2O	FRESH WATER w/ ALPHA 1427 & CLAYCARE DISPLACEMENT	
10:33	609	0	6.2	44	H2O	CAUGHT CEMENT, FRESH WATER w/ ALPHA 1427 & CLAYCARE DISPLACEMENT	
10:42	0	0	0	0	H2O	SHUT DOWN, BLOWN APART AIR DRIER ON CEMENT PUMP, BYPASSED	
11:04	2196	0	7.2	50	H2O	FRESH WATER w/ ALPHA 1427 & CLAYCARE DISPLACEMENT	
11:11	2196	0	7.2	50	H2O	FRESH WATER w/ ALPHA 1427 & CLAYCARE DISPLACEMENT	
11:19	960	0	3.6	10	H2O	SLOW RATE, FRESH WATER w/ ALPHA 1427 & CLAYCARE DISPLACEMENT	
11:22	690	0	2.2	11.4	H2O	SLOW RATE, FRESH WATER w/ ALPHA 1427 & CLAYCARE	

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	PIPE	ANNULUS				TEST LINES 6190 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
DISPLACEMENT							
11:27	1219	0	0	0	H2O	BUMP PLUG 500 psi OVER FINAL LIFT PRESSURE	
11:28	2960	0	1	1.5	H2O	SHIFT TOOL	
11:29	869	0	2.9	3.5	H2O	OVER DISPLACEMENT FRESH WATER w/ ALPHA 1427 & CLAYCARE	
11:31	860	0	0	0	H2O	SHUT DOWN	
11:32	519	0	0	0	H2O	TEST FLOATS	
11:32	0	0	0	0	H2O	FLOATS HELD, 1/4 bbls FLOWED BACK	
11:35	0	0	0	0	H2O	SHUT DOWN, TURNED WELL BACK OVER TO RIG	
11:36						POST-JOB SAFETY MEETING, RIG DOWN	
						TOP OF CEMENT @ APPROX 4716'	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION!!!!!! DANIEL & THE CREW	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	<u>Service Supervisor Signature:</u>
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1219	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	478.2	0	Y <input checked="" type="checkbox"/> N	

