

CEMENT JOB REPORT



CUSTOMER NGL WATER SOLUTIONS DJ L			DATE 29-OCT-14		F.R. # 1001112789			SERV. SUPV. Justin Brown						
LEASE & WELL NAME NGL #C1C - API 05123403770000			LOCATION 8-4N-64W			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	HANGER TYPES		MD	TVD		
9-5/8" Bot Cem Plug, Nitrile cvr, Phe		Float Collar, AI Flap, 9-5/8 - 8rd												
		Float Shoe 9-5/8 - 8rd												
		Alum Baffle Plate, Slip On, 9-5/8												
		Centralizer, Positive, 9-5/8 in												
		Cement Basket, Slip On, 9-5/8 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 + Dye				na		0	8.34	0	0	00:00	10			
Type III + Adds				na		195	14.5	1.41	6.82	00:00	50.34	32.64		
Fresh Water				na		0	8.34	0	0	00:00	47.16			
Available Mix Water 400 Bbl.				Available Displ. Fluid 300 Bbl.		TOTAL					107.50	32.64		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	30	650	8.921	9.625	36	CSG	650	650		696	653	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	TYPE	WGT.
						NO PACKER		0			9.625	8 RND	WATER BASED	8.9
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			
50.5	BBLS	Fresh Water		8.34	495	0	0	0	0	2816	1500	RIG		
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: 8.9 LBS/GAL				Mud Density Out: 8.9 LBS/GAL				PV & YP Mud In: 0		PV & YP Mud Out: 0				
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: 6 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: 7				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:		Fluid Weight: LBS/GAL				
Casing Test (Update Original Treatment Report for Primary Job)														
Casing Test Pressure: 846 PSI				With 8.34 LBS/GAL Mud				Time Held: 00 Hours 05 Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE														

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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)
NONE

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

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 type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2605 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
09:40	0	0	0	0	NA	ARRIVE ON LOCATION (RIG RUNNING CASING)	
13:40	0	0	0	0	NA	SPOT TRUCKS	
13:48	0	0	0	0	NA	PRE RIG UP SAFETY MEETING	
14:03	0	0	0	0	NA	PRE JOB SAFETY MEETING	
14:51	0	0	2	2	H2O	LOAD LINES	
14:55	2605	0	0	0	H2O	PRESSURE TEST	
15:00	125	0	4.8	11	H2O	PUMP DYED SPACER	
15:08	0	0	0	0	CMT	BATCH UP CEMENT	
15:18	221	0	4.4	45.9	CMT	PUMP CEMENT (TYPE III CEMENT + .08 LBS/SACK STATIC FREE + 1.5% BWOC CALCIUM CHLORIDE + .15 LBS/SACK CELLO FLAKE + 60.5% FRESH WATER)	
15:38	0	0	0	0	NA	DROP PLUG	
15:41	127	0	4.8	50.5	H2O	WASH UP ON TOP OF PLUG DURING DISPLACEMENT	
15:55	846	0	0	0	H2O	BUMP PLUG (FINAL LIFT AT 320 PSI)	
16:00	0	0	0	0	H2O	CHECK FLOATS (CONTINUOUS BLEED BACK)	
16:10	156	0	0	0	H2O	PRESSURE PUT ON PIPE FOR FAILED FLOATS	
16:15	156	0	0	0	H2O	SHUTDOWN	

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	846	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2	110	156	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

