

CEMENT JOB REPORT



CUSTOMER NGL WATER SOLUTIONS DJ L		DATE 11-MAR-16	F.R. # 10011194843		SERV. SUPV. FELIPE LANDA										
LEASE & WELL NAME NGL #C3B - API 05123428110000		LOCATION 29-4N-65W		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		Centralizer, with Pins, 7 in		Annular Casing Packer				Liner							
		Float Shoe 7 - 8rd													
		Float Collar, AI Flap, 7 - 8rd													
		Stage Cementing Tool 7 - 8rd													
PHYSICAL SLURRY PROPERTIES															
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER			
Fresh Water							8.34				10				
UltraFlush Spacer							11				20				
(50:50:2) + Addds						200	14.4	1.45	6.31		51.6	30.05			
Fresh Water							8.34				343				
Fresh Water							8.34				10				
UltraFlush							11				20				
(50:50) + Addds						200	13.2	1.66	8.16		58.7	38.55			
Fresh Water							8.34				289				
(50:50) + Addds No/BA-59						646	13.2	1.65	8.13		190.9	125.39			
Available Mix Water 400 Bbl.				Available Displ. Fluid 400 Bbl.				TOTAL				993.2	193.98		
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
8.75	25	9025	6.276	7	26	CSG	9018	8928		9018	8975	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.	
8.9	9.63	36	CSG	747		NO PACKER		0	0	0	7	8RD	WATER BASED	10.2	
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			
343	BBLs	Fresh Water Fresh Water		8.34 8.34	1200	0		0	0	0	7240	5792	TANK		
Circulation Prior to Job															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2				Circulation Rate: 4 BPM							
Mud Density In: 10.2 LBS/G				Mud Density Out: 10.2 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 checked="" 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: 50				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:				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															

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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 5094 PSI CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
13:45	0	0	0	0	NA	ARRIVE ON LOCATION
14:00	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
15:30	0	0	0	0	NA	PRE JOB SAFETY MEETING
15:46	150	0	.8	1	H2O	LOAD LINES
15:48	5094	0	0	0	H2O	PRESSURE TEST
15:52	268	0	4	10	H2O	FRESH WATER
16:03	294	0	4	20	H2O	ULTRAFLUSH II # 11 PPG
16:10	168	0	3	49	STAGE 1	200 SACKS OF 50:50 POZ (FLY ASH) : CLASS "G" CEMENT + 0.2% R-3 + 0.2% CD-32 + 0.5% FL-52 + 0.01 gps FP-6L + 0.1% SODIUM METASILICATE + 20% SILICA FLOUR + 2% BENTONITE II @ 14.4 PPG
16:34	0	0	0	0	H2O	WASH PUMP AND LINES
16:39	0	0	0	0	H2O	DROP PLUG
16:40	900	0	5.1	270	MUD	DISPLACE (first 75 bbls are fresh water)
17:35	1210	0	4	50	MUD	RATE CHANGE
17:48	1229	0	3	23	MUD	RATE CHANGE
17:55	1570	0	3	0	MUD	BUMP PLUG @ 343 BBLS
18:00	0	0	0	0	MUD	CHECK FLOATS
18:03	3149	0	1	1	MUD	OPEN STAGE TOOL
18:16	748	0	5	20	MUD	CIRCULATE
18:30	0	0	0	0	MUD	RIG CIRCULATING FOR 4 HOURS
21:55	475	0	5.1	10	H2O	FRESH WATER
22:02	482	0	5.1	20	H2O	ULTRAFLUSH II # 11 PPG
22:08	431	0	5.1	55	LEAD STA	200 SACKS OF 50:50 POZ (FLY ASH) : CLASS "G" + 0.5% FL-63 + 0.2% CD-32 + 0.5% FL-52 + 0.3% ASA-301 + 0.01 gps FP-6L + 0.3% SODIUM METASILICATE + 10 lbs/sack CSE-2 @ 13.2 PPG
22:21	501	0	6	185	TAIL STAC	646 SACKS OF 50:50 POZ (FLY ASH) : CLASS "G" + 0.5% FL-63 + 0.2% CD-32 + 0.5% FL-52 + 0.3% ASA-301 + 0.01 gps FP-6L + 0.3% SODIUM METASILICATE + 10 lbs/sack CSE-2 + 0.4% BA-59 @ 13.2 PPG
23:18	0	0	0	0	H2O	WASH PUMP AND LINES
23:21	0	0	0	0	MUD	DROP PLUG
23:22	2370	0	6	230	MUD	DISPLACE

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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	5094 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
00:03	2504	0	4.8	20	MUD	RATE CHANGE	
00:07	2473	0	4	10	MUD	RATE CHANGE	
00:10	2608	0	3	10	MUD	RATE CHANGE	
00:13	2615	0	2	19	MUD	RATE CHANGE	
00:21	3635	0	2	0	MUD	BUMP PLUG @ 289 (12 bbls cement to surface)	
00:25	0	0	0	0	MUD	CHECK FLOATS	
00:35	0	0	0	0	NA	POST JOB RIG DOWN SAFETY MEETING	
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	3635	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12	984	0	Y <input checked="" type="checkbox"/> N	