

CEMENT JOB REPORT



CUSTOMER BAYSWATER EXPLORATION &				DATE 12-MAY-15		F.R. # 10011155145		SERV. SUPV. JASON L SJOBERG						
LEASE & WELL NAME SHERLEY #E-4-9HN - API 05123409660000				LOCATION 4-5N-65W				COUNTY-PARISH-BLOCK Weld Colorado						
DISTRICT Brighton				DRILLING CONTRACTOR RIG # Frontier 10				TYPE OF JOB Liner						
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
Dart For Plug Catcher, 4-1/2 In		Float Collar, Auto Fill, 4-1/2 - 8rd						Liner		6538				
		Float Shoe 4-1/2 - 8rd												
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								10.5			80			
(50:50) Class G:Poz + Adds				c0503015b				560	13	2.06	10.29	07:04	205.45	137.26
Fresh Water								8.34				202		
Available Mix Water 500 Bbl.				Available Displ. Fluid 500 Bbl.				TOTAL				507.45	137.26	
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
6.125	15	16817	3.34	4	14	DP	3861		S-135	16813	16769	1		
			2.563	4	29	DP	2657		S-135					
			3.92	4.5	13.5	CSG	10203		P-110					
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.
6.2	7	29	CSG	7384		Liner		6538	0	0	2	1502	WATER BASED	9.3
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			
202	BBLS	Fresh Water		8.34	650	0	0	0	0	8552	5000	Tank		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 7				Circulation Rate: 2.5 BPM				
Mud Density In: 9.3 LBS/GAL						Mud Density Out: 9.3 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"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Quantity:				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" 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: 2533 PSI						With 9.3 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)

Rig circulated approx 2.5 bbls/min @ 2400 psi give or take for about 6 hours. Pressure broke to around 1100 psi and rate was 2-2.5 bbls/min.

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

After we pressure tested, we could only pump 2 bbls/min @ 2700 psi. We switched over to mud to circulate the hole after pumping 92 bbls of water. We continued to circulate the hole till the water was pumped out and then started pumping the job.

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 5930 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
21:45	0	0	0	0	N/A	Yard call			
00:11	0	0	0	0	N/A	Leave yard			
00:52	0	0	0	0	N/A	Arrive on location			
01:20	0	0	0	0	N/A	Spot trucks/Pre rig-up safety meeting			
03:30	0	0	0	0	N/A	Done rigging up, waiting on rig to finish circulating			
09:10	0	0	0	0	N/A	Safety meeting			
09:54	5538	0	0	0	H2O	Pressure test pump and lines			
10:02	1816	0	2	10	H2O	Preflush fresh water			
10:07	2000	0	2	14	H2O	Kick out at 2000 psi			
10:15	2500	0	2	0	H2O	Kicked out at 2500 psi at 24 bbls away			
10:48	2718	0	2	72	H2O	Shut down @ 72 bbls away. Switching over to mud to circulate			
11:28	5930	0	0	0	H2O	Pressure test pump and lines			
11:32	1850	0	2	20	H2O	Preflush fresh water			
11:43	1710	0	2	50	MUD	Circulate hole with mud			
12:00	2850	0	2.5	90	MUD	Increased rate			
12:46	2750	0	2	60	MUD	Drop rate			
13:10	3000	0	2	0	MUD	Over pressured at 3000 psi at 200 bbls of mud pumped			
13:12	2570	0	1.3	40	MUD	Circulate mud			
13:40	1660	0	2	190	MUD	Increase rate			
15:15	2187	0	2.5	157	MUD	Increase rate			
16:03	2203	0	2.5	20	H2O	Preflush fresh water			
16:11	2107	0	2.7	45	H2O	Preflush ultraflush II			
16:27	2082	0	3	35	H2O	Preflush ultraflush II increase rate			
16:40	1484	0	2.9	18	CMT	Batch, weigh, pump 560 sks 13# 50:50 poz G + .6% R-3 + .4% FL-52 + .6% ASA-301 + 20% Silica Flour + .6% FL-66 + 10 lbs/sack CSE-2 + 2% Bentonite			
16:46	2245	0	3.8	183	CMT	Increase rate			
17:32	0	0	0	0	N/A	Washup			
17:50	1396	0	5	49	H2O	Drop dart and displace claycare and alpha 1427			
18:02	702	0	2.1	7	H2O	Drop rate			
18:04	872	0	2.1	0	H2O	Pick up wiper plug at 56 bbls pumped			
18:05	792	0	2.1	5	H2O	Continue displacement			
18:07	1822	0	4.5	114	H2O	Increase rate			
18:32	1618	0	4	10	H2O	Drop rate			
18:36	1467	0	3.6	10	H2O	Drop rate			
18:38	940	0	2	7	H2O	Drop rate			
18:41	967	0	2	202	H2O	Bump plug @ 202 bbls pumped			
18:43	3000	0	2	0	H2O	Re-bump plug @ 3000 psi			

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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	5930 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
18:46	2960	0	0	0	N/A	Check floats	
18:51	817	0	0	0	H2O	Pressure up on drill pipe	
18:53	420	0	0	0	H2O	Pull out and stomp packer	
19:04	3659	0	0	0	H2O	Pressure test pump and backside line	
19:10	2533	0	0	0	H2O	Pressure test backside	
19:16	2518	0	0	0	H2O	End pressure test	
19:22	838	0	0	0	H2O	Pressure up drill pipe	
19:24	400	0	0	0	H2O	Sting out	
19:27	1681	0	6.8	166	H2O	Roll hole	
20:00	0	0	0	0	N/A	Post job 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	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1014	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1	1348	0	Y <input checked="" type="checkbox"/> N	

C085

