

CEMENT JOB REPORT



CUSTOMER BAYSWATER EXPLORATION &				DATE 02-JUL-15		F.R. # 10011163432				SERV. SUPV. TIM ADAMS				
LEASE & WELL NAME ARELLANO #T-10-9HN - API 05123411140000				LOCATION 10-5N-65W				COUNTY-PARISH-BLOCK Weld Colorado						
DISTRICT Brighton				DRILLING CONTRACTOR RIG # FRONTIER 8				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, AI Flap, 4-1/2 - 8rd		Liner Packer		6570	6570	Liner		6573	6573			
4-1/2" Top Cem Plug, Nitrile cvr, Phe		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				N/A				0	8.34	0	0	00:00	10	
UltraFlush Spacer				N/A				0	12	3.77	24.34	00:00	80	69.05
(50:50) Class G:Poz + Adds				C07-001-15				590	14.5	1.44	6.17	08:56	151.3	86.72
Fresh Water				N/A				0	8.34	0	0	00:00	181.98	
Available Mix Water 700 Bbl.				Available Displ. Fluid 500 Bbl.				TOTAL				423.28	155.77	
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
6.125	15	14145	3.34	4	14	DP	3871	3871		14141	14095	0		
			2.563	4	28.9	DP	2659	2659						
			3.92	4.5	13.5	CSG	7514	6880	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.	
6.3	7	26	CSG	7443	6880	Liner	6553	0	0	2	1502	WATER BASED	9.6	
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				
164	BBLS	Fresh Water	8.34	925	0	0	0	0	9928	3000	Rig tank			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 4.5 BPM					
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL						PV & YP Mud In: 10			PV & YP Mud Out: 10					
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: 1 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: 0 PSI With 0 LBS/GAL Mud						Time Held: 00 Hours 00 Minutes								
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None														

CEMENT JOB REPORT



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)
Backside would not hold pressure at 2500psi - lost approximately 40psi / minute. Continued job as usual and tested work packer after rolling the hole.

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 5082 PSI CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
04:00	0	0	0	0	N/A	Yard call
06:40	0	0	0	0	N/A	Leave yard
07:55	0	0	0	0	N/A	Arrive on location (34 miles, rig running drill pipe)
08:20	0	0	0	0	N/A	Spot trucks
08:40	0	0	0	0	N/A	Rig up safety meeting
11:40	0	0	0	0	N/A	Pre-job safety meeting
12:30	5082	0	0	0	H2O	Pressure test
12:43	904	0	4	10	H2O	Fresh water spacer
12:50	0	0	0	0	H2O	Batch / weigh Ultraflush spacer
12:54	931	0	3.6	80	H2O	Pump Ultraflush spacer (16,200lbs, 12ppg)
13:16	0	0	0	0	CMT	Batch / weigh cement
13:19	428	0	4.5	144	CMT	Pump cement (590sx, 14.5ppg)
14:04	0	0	0	0	NA	Shut down / drop dart
14:10	0	0	0	20	H2O	Wash pump and lines
14:23	151	0	4.8	50	H2O	Displacement
14:34	705	0	2	7	H2O	Drop rate to pick up plug
14:38	1610	0	4.5	43	H2O	Rate change
14:46	1937	0	4.5	55	H2O	Update
14:59	1130	0	2	9	H2O	Drop rate
15:04	1812	0	0	0	H2O	Bump plug (164bbls total)
15:06	0	0	0	0	NA	Bleed off / check floats (1bbl back)
15:07	0	0	0	0	NA	Stomp packer
15:17	0	45	1	1	H2O	Load backside
15:23	0	2516	1	1	H2O	Backside pressure test (#1)
15:26	0	2315	0	0	H2O	Pressure bled down to 2315psi
15:28	0	2541	0	0	H2O	Pressure up backside again
15:32	0	0	0	0	NA	Bleed off - check line for any leaks
15:42	0	2531	1	1	H2O	Pressure up on backside (#2)
15:50	0	2143	0	0	NA	Pressure bled down to 2143psi
15:51	0	2541	0	0	H2O	Pressure up on backside
15:56	0	2231	0	0	NA	Pressure bled down to 2231psi
15:57	0	0	0	0	NA	Bleed off
16:00	0	0	0	0	NA	Switch to stand pipe
16:06	1100	0	1	.5	H2O	Pressure up on stand pipe to sting out
16:07	1334	0	6	50	H2O	Roll hole
16:17	2088	0	7.2	50	H2O	Update
16:23	1157	0	5	27	H2O	Update

CEMENT JOB REPORT



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	5082 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
16:28	201	0	0	0	NA	Shut down - switch to half moon tank	
16:29	881	4.5	0	31	H2O	Resume rolling hole	
16:35	0	0	0	0	NA	Shut down / hole clean (15bbls cement back)	
16:40	0	0	0	0	NA	Add extra 1" plug valve to manifold on drill pipe	
16:43	0	0	0	0	NA	Line out pump to drill pipe	
16:48	2624	0	1	1	H2O	Backside pressure test (#3)	
17:00	0	0	0	0	NA	Bleed off / done	

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	1812	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	15	581	0	Y <input checked="" type="checkbox"/> N	

