

## CEMENT JOB REPORT



CUSTOMER		WHITTING PETROLEUM CORP		DATE	21-JUL-13	F.R. #	10011002154	SERV. SUPV.	FELIPE LANDA
LEASE & WELL NAME		HORSETAIL #18-0713H - API 05123367020000		LOCATION		18-10N-57W		COUNTRY-PARISH-BLOCK	
DISTRICT		Bridgton		DRILLING CONTRACTOR RIG #		CADE 23		TYPE OF JOB	
								Intermediate	
								HANGER TYPES	
								MD	
								TVD	
								CENTRALIZER, with Pins, 7 in	
								Float Collar, Auto Fill, 7 - 8rd	
								Float Shoe 7 - 8rd	
								PHYSICAL SLURRY PROPERTIES	
								SACKS OF CEMENT	
								SLURRY WT	
								PPG	
								FT3	
								SLURRY YLD	
								GPS	
								WATER	
								PUMP	
								HR:MIN	
								Bbl	
								WATER	
								Bbl	
								MIX	
								TANK	
								WGT	
								9.8	
								DISPL. VOLUME	
								DISPL. FLUID	
								CAL. PSI	
								OP. MAX	
								SQ. PSI	
								RATED	
								Operator	
								MAX TBG PSI	
								MAX CSG PSI	
								Operator	
								RATED	
								8160	
								6528	
								TANK	
								Circulated Well:	
								Rig	
								BJ	
								X	
								Mud Density In: 9.8 LBS/GAL	
								Mud Density Out: 9.8 LBS/GAL	
								PV & YP Mud In: 15	
								PV & YP Mud Out: 15	
								Gas Present: NO	
								X	
								YES	
								Units:	
								Solids Present at End of Circulation: NO	
								X	
								YES	
								Displacement And Mud Removal	
								Amount Bled Back After Job: 2.5 BBLs	
								Method Used to Verify Returns: VISUAL	
								Were Returns Planned at Surface: NO	
								X	
								YES	
								Pipe Movement: ROTATION	
								X	
								YES	
								RECIROCATION	
								X	
								NONE	
								UNABLE DUE TO STUCK PIPE	
								Centralizers: NO	
								X	
								YES	
								Job Pumped Through: CHOKER MANIFOLD	
								X	
								SQUEEZE MANIFOLD	
								X	
								MANIFOLD	
								NO MANIFOLD	
								Type: BOW	
								X	
								RIGID	
								Plugs	
								Wiper Balls Used: NO	
								X	
								NO	
								Parabow Used: YES	
								X	
								NO	
								Bottom of Plug: 0 FT	
								Top of Plug: 0 FT	
								Squeezes (Update Original Treatment Report for Primary Job)	
								BLOCK SQUEEZE	
								X	
								SHOE SQUEEZE	
								TOP OF LINER SQUEEZE	
								PLANNED	
								UNPLANNED	
								X	
								Fluid Weight: 0 LBS/GAL	
								PSI Applied: 0	
								YES	
								Bond Log: X	
								NO	
								Liner Packer: X	
								NO	
								YES	
								Casing Test Pressure: 1528 PSI	
								With 8.34 LBS/GAL Mud	
								Time Held: 00 Hours 15 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  
 Number of Times Tests Conducted: 0  
 Target EMW: 0 LBS/GAL  
 Actual EMW: 0 LBS/GAL  
 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

TIME	HR:MIN.	PIPE	ANNULUS	PRESSURE - PSI	RATE	BPM	BBL FLUID	FLUID	TYPE
17:00	0	0	0	0	0	0	0	NA	YARD CALL
21:42	0	0	0	0	0	0	0	NA	ARRIVE ON LOCATION (RIG RUNNING CASING)
03:30	0	0	0	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
04:08	0	0	0	0	0	0	0	NA	SAFETY MEETING
04:32	1578	0	0	0	0	0	0	H2O	LOW PRESSURE TEST
04:36	3782	0	0	0	0	0	0	H2O	HIGH PRESSURE TEST
04:41	515	0	0	4.8	40	173	LEAD	ULTRA FLUSH II SPACER @ 10.5 PPG	
05:11	530	0	4	3.7	71	TAIL	103 SKS OF :35:65:POZ(FLY ASH): CLASS "G" CEMENT +0.06 LBS/SK STATIC FREE + 54.44% LW-6 + 1.2% FL-25 + 0.5% SODIUM METASILICATE + 20% SILICA SAND, 100 MESH, SACKED + 5% CSE-2 @ 10.5 PPG		
06:04	116	0	3.7	71	TAIL	103 SKS OF :35:65:POZ(FLY ASH): CLASS "G" CEMENT +0.06 LBS/SK STATIC FREE + 54.44% LW-6 + 1.2% FL-25 + 0.5% SODIUM METASILICATE + 20% SILICA SAND, 100 MESH, SACKED + 5% CSE-2 @ 10.5 PPG			
06:27	0	0	0	0	0	NA	DROP PLUG		
06:28	890	0	7.2	100	MUD	DISPLACE			
06:42	1185	0	6	30	MUD	RATE CHANGE			
06:49	1431	0	4.8	82	MUD	RATE CHANGE			
07:07	1438	0	3.6	10	MUD	RATE CHANGE			
07:10	2012	0	3.6	0	MUD	BUMP PLUG @ 222 BBLs ( 62 BBLs CEMENT BACK TO SURFACE )			
07:13	0	0	0	0	MUD	CHECK FLOATS			
07:18	1528	0	1.5	0	MUD	CASING TEST			
07:48	1645	0	0	0	MUD	CASING TEST FINISH			
08:00	0	0	0	0	NA	POST JOB SAFETY RIG DOWN MEETING			

BUMPED PLUG	PSI TO BUMP	TEST EQUIP.	BBL CMT REVERSED	TOTAL BBL PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	62	506	0	<input type="checkbox"/>	<i>[Signature]</i>