

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP			DATE 17-JUL-13		F.R. # 10011001400			SERV. SUPV. REESE A ANDERSON					
LEASE & WELL NAME HORSETAIL #18-0713H - API 05123367020000					LOCATION 18-10N-57W			COUNTY-PARISH-BLOCK Weld Colorado					
DISTRICT Brighton			DRILLING CONTRACTOR RIG # CADE 23			TYPE OF JOB Surface							
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS			MD	TVD	HANGER TYPES		MD	TVD
Cement Plug, Rubber, Top 9-5/8 in		Alum Baffle Plate, Slip On, 9-5/8											
		Float Shoe 9-5/8 - 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					0	8.34	0	0	00:00	15			
Type III + 1% CaCl ₂ .25CF					841	14.5	1.40	6.81	01:30	209.7	136.15		
Fresh water					0	8.34	0	0	00:00	124.47			
Available Mix Water 400 Bbl.			Available Displ. Fluid 400 Bbl.			TOTAL			349.17	136.15			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
13.5	35	1650	8.921	9.625	36	CSG	1650	1650	J-55	1744	1698		
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 RD	WATER BASED	9.8
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			
131	BBLS	Fresh water	8.34	1100	0	0	0	0	0	1000	FRAC TANK		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 BPM					
Mud Density In: 9.8 LBS/GAL				Mud Density Out: 9.8 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: 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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 10				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: 0		Fluid Weight: 0 LBS/GAL			
Casing Test (Update Original Treatment Report for Primary Job)													
Casing Test Pressure: 1560 PSI						With 8.4 LBS/GAL Mud			Time Held: 00 Hours 15 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							

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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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 2409 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
10:00	0	0	0	0	NA	YARD CALL	
12:23	0	0	0	0	NA	LEAVE YARD	
15:25	0	0	0	0	NA	ARRIVE ON LOCATION	
22:07	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP	
22:40	0	0	0	0	NA	SAFETY MEETING	
22:03	2409	0	0	0	H2O	PRESSURE TEST	
23:07	184	0	5.4	10	H2O	FRESH WATER SPACER	
23:10	186	0	5.4	10	H2O	DYED SPACER	
23:22	171	0	3.4	208	CMT	841 SACKS 14.5 PPG CEMENT	
00:32	0	0	0	0	NA	DROP PLUG	
00:35	582	0	5.6	60	H2O	DISPLACEMENT	
00:52	595	0	5	10	H2O	RATE CHANGE	
00:54	788	0	3.8	10	H2O	RATE CHANGE	
01:10	1148	0	3.8	131	H2O	BUMP PLUG/70 BBLs CEMENT RETURNED	
01:13	0	0	0	0	NA	BLEED OFF/TEST FLOATS	
01:15	1560	0	0	0	H2O	CASING TEST	
01:30	0	0	0	0	NA	BLEED OFF	
01:35	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN	

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	1148	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	70	359	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	