

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		0	8.34	0	0	00:00	15			
Type III + 1% CaCl ₂ .25CF				0		841	14.5	1.40	6.81	01:30	209.7	136.15		
Fresh water				0		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								

CEMENT JOB REPORT



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 <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		PSI TO BUMP PLUG 1148		TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		BBL.CMT RETURNS/ REVERSED 70	
TOTAL BBL. PUMPED 359		PSI LEFT ON CSG 0		SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N		Service Supervisor Signature:	