

CEMENT JOB REPORT



CUSTOMER EXTRACTION OIL AND GAS		DATE 02-JUN-15	F.R. # 10011158676		SERV. SUPV. Daniel F Kuenz									
LEASE & WELL NAME WAAG #22 - API 05123403480000		LOCATION 19-7N-65W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # White Mountain R272		TYPE OF JOB Surface										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD TVD HANGER TYPES MD TVD								
9-5/8" Top Cem Plug, Nitrile cvr, Phe		Float Collar, Pop Valve, 9-5/8 - 8rd												
		Guide Shoe, Cement Nose, 9-5/8 i												
		Stop Collar, 9-5/8 in												
		Centralizer, with Pins, 9-5/8 in												
		Thread Locking Compound												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³								
Fresh Water + Dye					8.34									
III+.08%St+1.5%CaCl+.15#skCF+.01gpsFP6L				390	14.5	1.41								
Fresh Water					8.34									
Available Mix Water <u>100</u> Bbl.		Available Displ. Fluid <u>100</u> Bbl.		TOTAL		Bbl Bbl MIX WATER								
				172.8		63.48								
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	20	881	8.921	9.625	36	CSG	881	881	J-55	881	839	1		
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	8RND	FRESH WATER	8.4
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				
64.9	BBLs	Fresh Water	8.34	269	0	0	0	0	3520	2816	Rig Tanks			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: .25				Circulation Rate: 4 BPM						
Mud Density In: 8.4 LBS/GAL				Mud Density Out: 8.4 LBS/GAL				PV & YP Mud In: 9		PV & YP Mud Out: 9				
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: .25 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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 6				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: Competition:				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: FT Bottom of Plug: 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:		Fluid Weight: LBS/GAL				
Casing Test (Update Original Treatment Report for Primary Job)														
Casing Test Pressure: PSI				With LBS/GAL Mud				Time Held: Hours Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Crew stayed on location from last well for this one.														

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT	Target EMW: LBS/GAL	Actual EMW: LBS/GAL
Number of Times Tests Conducted:	Mud Weight When Test was Conducted: 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						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	4096 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
01:00						CREW STAYED ON LOCATION FROM PRIOR WELL Waag 21	
01:00						ALL EO'S OFF DUTY WELLSITE	
11:00						ALL EO'S BACK ON DUTY	
11:02						PRE-RIG UP SAFETY MEETING	
11:05						STAB HEAD, MAKE UP TOP CONNECTION TO WELLHEAD	
11:10						PRE-JOB SAFETY MEETING	
11:20	19	0	1.2	2	H2O	LOAD LINES, FRESH WATER	
11:22	4096	0	0	0	H2O	PRESSURE TEST HARD LINES	
11:25	96	0	4.9	10	H2O	FRESH WATER w/ DYE SPACER	
11:28	0	0	0	0	CEMENT	BATCH UP CEMENT SLURRY 14.5#	
11:36	139	0	4.1	50	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY	
11:54	169	0	4.1	47.9	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY	
12:07	0	0	0	0	CEMENT	SHUT DOWN, DROP TOP PLUG	
12:12	196	0	6.4	30	H2O	FRESH WATER DISPLACEMENT	
12:19	329	0	6.4	25	H2O	FRESH WATER DISPLACEMENT	
12:22	349	0	2.2	9.9	H2O	SLOW RATE, FRESH WATER DISPLACEMENT	
12:27	1069	0	0	0	H2O	BUMP PLUG 500 psi OVER FINAL LIFT PRESSURE	
12:29	1069	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	
12:30	0	0	0	0	H2O	FLOATS HELD, 1/4 bbls FLOWED BACK	
12:32						SHUT DOWN, TURNED WELL BACK OVER TO RIG	
12:34						POST-JOB SAFETY MEETING, RIG DOWN	
12:39						WASH UP RIG'S CELLAR PUMPS	
12:46						SHUT DOWN	
						16 bbls OF CEMENT BACK TO SURFACE	
						TOP OF LEAD CEMENT @ SURFACE	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL & THE CREW	
13:45						POST-JOB CONVOY SAFETY MEETING	
14:00						DEPART LOCATION	
15:00						ARRIVE BACK ON BHI YARD	

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	1069	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	16	172.8	0	Y <input checked="" type="checkbox"/> N	