

CEMENT JOB REPORT



CUSTOMER EXTRACTION OIL AND GAS		DATE 29-MAY-15	F.R. # 10011158061		SERV. SUPV. Daniel F Kuenz									
LEASE & WELL NAME WAAG #16 - API 05123403630000		LOCATION 19-7N-65W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # RD20 White Mountain		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		C05-073-15		390	14.5	1.41								
Fresh Water					8.34									
Available Mix Water <u>100</u> Bbl.		Available Displ. Fluid <u>100</u> Bbl.		TOTAL		<u>172</u> <u>63.48</u>								
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	20	871	8.921	9.625	36	CSG	871	871	J-55	871	829	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			
64.1	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: 1				Circulation Rate: 6 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: 9				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: Rig on bottom circulating when we arrived on location														

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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	3690 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
13:00						YARD CALL	
14:45						PRE-JOB CONVOY SAFETY MEETING	
15:00						DEPART BHI YARD	
16:15	6	0	200	360	H2O	CASING LANDED, RIG CIRCULATING	
16:30						ARRIVE ON LOCATION	
16:35						CHECK IN WITH COMPANY MAN	
16:40						SAFETY WALK AROUND ON LOCATION	
16:45						PRE-RIG UP SAFETY MEETING	
16:55						SPOT CEMENT EQUIPMENT ON LOCATION	
17:10						STAB CEMENT HEAD	
17:30						PRE-JOB SAFETY MEETING	
17:39	69	0	2.6	3	H2O	LOAD LINES, FRESH WATER	
17:41	3690	0	0	0	H2O	PRESSURE TEST HARD LINES	
17:45	96	0	3.9	10	H2O	FRESH WATER w/ DYE SPACER	
17:48	0	0	0	0	CEMENT	SHUT DOWN, BATCH UP CEMENT TO 14.5#	
17:52	169	0	2.9	50	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY	
18:09	96	0	3.6	47.9	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY	
18:27	0	0	0	0	CEMENT	SHUT DOWN, DROP TOP PLUG	
18:35	196	0	4.8	30	H2O	FRESH WATER DISPLACEMENT	
18:42	389	0	6	30	H2O	FRESH WATER DISPLACEMENT	
18:49	369	0	2.6	4.1	H2O	SLOW RATE, FRESH WATER DISPLACEMENT	
18:50	1096	0	0	0	H2O	BUMP PLUG 500 psi OVER FINAL LIFT PRESSURE	
18:53	1096	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	
18:54	0	0	0	0	H2O	FLOATS HELD, 1/4 bbls FLOWED BACK	
18:55						SHUT DOWN, TURNED WELL BACK OVER TO RIG	
18:56						POST-JOB SAFETY MEETING, RIG DOWN	
19:00						WASH UP RIG'S CELLER PUMP	
						19 bbls OF CEMENT BACK TO SURFACE	
						TOP OF CEMENT @ SURFACE	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL & THE CREW	
19:50						POST-JOB CONVOY SAFETY MEETING	
20:00						DEPART LOCATION	
21:30						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	1096	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	19	172	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	