

## CEMENT JOB REPORT



CUSTOMER EXTRACTION OIL AND GAS		DATE 01-JUN-15	F.R. # 10011158071		SERV. SUPV. FELIPE LANDA									
LEASE & WELL NAME WAAG #20 - API 05123403460000		LOCATION 19-7N-65W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG #		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	Centralizer, with Pins, 9-5/8 in													
	Float Collar, AI Flap, 9-5/8 - 8rd													
	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 + Dye				8.34				20						
Surface Cement			390	14.5	1.41	6.82		97.9	63.48					
Fresh Water				8.34				64.5						
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL		182.4		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	877	8.921	9.625	36	CSG		877		877	835	0		
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	8RD	WATER BASED	8.5
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			
64.5	BBLS	Fresh Water		8.34	267	0	0	0	0	3520	2816	TANK		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1				Circulation Rate: 4 BPM				
Mud Density In: 8.5 LBS/GAL Mud Density Out: 8.5 LBS/GAL						PV & YP Mud In:				PV & YP Mud Out:				
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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 5		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:		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: 0 PSI						With 0 LBS/GAL Mud		Time Held: 00 Hours 00 Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE														
PRESSURE/RATE DETAIL										EXPLANATION				



# CEMENT JOB REPORT



## 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	

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 3917 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
11:15	0	0	0	0	NA	ARRIVE ON LOCATION
11:25	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
11:45	0	0	0	0	NA	PRE JOB SAFETY MEETING
12:02	0	0	.8	1	H2O	LOAD LINES
12:04	3917	0	0	0	H2O	PRESSURE TEST
12:08	35	0	5.1	10	H2O	FRESH WATER
12:10	34	0	5.1	10	H2O	FRESH WATER + DYE
12:15	192	0	4	98	CEMENT	390 SACKS OF TYPE III CEMENT + 0.08 lbs/sack STATIC FREE + 1.5% CALCIUM CHLORIDE + 0.15 lbs/sack CELLO FLAKE @ 14.5 PPG
12:50	0	0	0	0	NA	DROP PLUG
12:51	380	0	5.5	40	H2O	DISPLACE
13:00	338	0	4	10	H2O	RATE CHANGE
13:03	365	0	2.6	15	H2O	RATE CHANGE
13:07	914	0	2.6	0	H2O	BUMP PLUG @ 65 BBLs ( 18 bbls cement to surface )
13:09	0	0	0	0	H2O	CHECK FLOATS
13:20	0	0	0	0	NA	POST JOB RIG DOWN SAFETY MEETING

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	914	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	18	183	0	Y <input checked="" type="checkbox"/> N	