

# CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM			DATE 26-FEB-16		F.R. # 1001193742		SERV. SUPV. FELIPE LANDA							
LEASE & WELL NAME HORSETAIL #07F-0607 - API 05123417780000			LOCATION 7-10N-57W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Unit 406			TYPE OF JOB Long String								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
5-1/2" Top Cem Plug, Nitrile cvr, Phc		Centralizer, with Pins, 5-1/2 in												
		Float Collar, Auto Fill, 5-1/2 - 8rd												
		Float Shoe 5-1/2 - 8rd												
PHYSICAL SLURRY PROPERTIES														
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Ultra Flush HV Spacer System							11				50			
Fresh Water							8.34				10			
Premium Lite High Strength RM + Adds						674	13	1.90	9.75		228.09	156.41		
(50:50) Poz:Class G Cement + Adds						1,547	14	1.40	6.33		385.61	233.20		
FW + Dovicil 75 + FC-1000 + FP-13L							8.34				280.1			
Available Mix Water 1000 Bbl.			Available Displ. Fluid 1000 Bbl.			TOTAL			953.80		389.61			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.5	20	12681	4.778	5.5	20	CSG	12681	5745		12681	12634	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.
8.9	9.63	36	CSG	1950	1950	NO PACKER		0	0	0	5.5	8BUTT	WATER BASED	10.5
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				
280.1	BBLS	FW + Dovicil 75 + FC	8.34	1575	0	0	0	0	12640	10112	TANK			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 2			Circulation Rate: 5 BPM								
Mud Density In: 10.5 LBS/G			Mud Density Out: 10.5 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: 2.5 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"/> RECIPROICATION <input type="checkbox"/> NONE <input checked="" type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			Quantity: 125			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID								
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" 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														

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## 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)  
RIG COULD NOT ROTATE OR RECIPROCATATE BECAUSE THEY WERE STUCK

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	6019 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
10:25	0	0	0	0	NA	ARRIVE ON LOCATION	
10:30	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING	
11:00	0	0	0	0	NA	BHI STANDING BY ( rig running casing )	
15:30	0	0	0	0	NA	PRE JOB SAFETY MEETING	
16:09	272	0	.8	1	H2O	LOAD LINES	
16:23	6019	0	0	0	H2O	PRESSURE TEST	
16:29	691	0	4.1	50	H2O	ULTRA FLUSH II @ 11 PPG	
16:42	498	0	4.1	10	H2O	FRESH WATER	
16:45	709	0	6.4	228	LEAD	674 SACKS PREMIUM LITE HIGH STRENGTH RM + 0.4% R-3 + 0.75% FL-63 + 0.2% ASA-301 + 0.01 gps FP-6L @ 13 PPG	
17:39	549	0	5.5	385	TAIL	1547 SACKS OF 50:50 POZ (FLY ASH) : CLASS "G" CEMENT + 1% FL-63 + 0.2% ASA-301 + 0.01 gps FP-6L + 7 lbs/sack CSE-2 + 2% BENTONITE II @ 14 PPG	
19:05	0	0	0	0	H2O	WASH PUMP AND LINES	
19:18	0	0	0	0	NA	DROP PLUG	
19:19	1250	0	7.2	130	H2O	DISPLACE	
19:37	2119	0	5	130	H2O	RATE CHANGE	
20:04	1962	0	3	20	H2O	RATE CHANGE	
20:11	2496	0	3	0	H2O	BUMP PLUG @ 280 BBLS ( 100 bbls cement to surface )	
20:15	0	0	0	0	H2O	CHECK FLOATS	
20:30	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	2496	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	100	941	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

