

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM			DATE 07-MAY-16		F.R. # 10011197492			SERV. SUPV. ERIC S DEWIT					
LEASE & WELL NAME HORSETAIL #07H-1816 - API 05123418400000			LOCATION				COUNTY-PARISH-BLOCK Weld Colorado						
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Unit 406				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		Centralizer, with Pins, 9-5/8 in											
		Cement Basket, Slip On, 9-5/8 in											
		Float Collar, Auto Fill, 9-5/8 - 8rd											
		Float Shoe 8-5/8 - 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	8.34	0	0		20		
Type III Cement + Adds						890	14.5	1.40	6.79	02:25	221.91	144.19	
Fresh Water						0	8.34	0	0		170.86		
Available Mix Water 200 Bbl.			Available Displ. Fluid 200 Bbl.			TOTAL			412.77			144.19	
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
13.5	15	2085	8.921	9.625	36	CSG	2072	2072	J-55	2072	2028		
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.
19.	20	90		80	80	No packer	0	0	0	9.625	8RND	WATER BASED	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		
156.8	BBLS	Fresh Water		8.34	652	0	0	0	0	2816	1500	Rig tanks	
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: .5				Circulation Rate: 6 BPM					
Mud Density In: 8.4 LBS/GAL				Mud Density Out: 8.4 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"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 16				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: 1506 PSI				With 8.4 LBS/GAL Mud				Time Held: 00 Hours 30 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)
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	3727 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
01:06	0	0	0	0	N/A	Leave yard	
03:30	0	0	0	0	N/A	Arrive on location	
03:45	0	0	0	0	N/A	Spot trucks	
03:50	0	0	0	0	N/A	Pre rig up safety meeting	
04:30	0	0	0	0	N/A	Done rigging up waiting for rig to finish running casing	
08:20	0	0	0	0	N/A	Rig done running casing, rig up head and manifold	
08:43	0	0	0	0	N/A	Pre rig up safety meeting	
08:59	137	0	2	3	H2O	Load pumps and lines	
09:01	3727	0	0	0	H2O	Pressure test pumps and lines	
09:08	255	0	4.8	20	H2O	Fresh water + Dye spacer	
09:18	0	0	0	0	CMT	Batch, and weigh cement slurry @14.5 ppg	
09:21	365	0	5	215	CMT	Pump 890 sacks of Type III cement + Adds	
10:19	0	0	0	0	N/A	Shut down release plug	
10:23	312	0	4.8	0	H2O	Send plug start displacement	
10:24	0	0	0	2	H2O	Shut down check to make sure plug left	
10:26	317	0	7.2	120	H2O	Start displacement again	
10:43	1007	0	6	140	H2O	Drop rate	
10:47	964	0	4.8	153	H2O	Drop rate	
10:49	926	0	2.4	157	H2O	Drop rate	
10:51	1521	0	0	0	H2O	Bump plug (60 bbls of cement to surface)	
10:52	1506	0	0	0	H2O	Start casing test	
11:22	0	0	0	0	H2O	Check floats, end casing test (floats held)	
11:25	0	0	0	0	N/A	Pre rig down safety meeting	
	0	0	0	0	N/A	Leave location	

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	982	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	60	395	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	



