

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM		DATE 27-AUG-14		F.R. # 10011093866		SERV. SUPV. Justin Brown							
LEASE & WELL NAME RAZOR #21C-0907 - API 05123395260000		LOCATION 21-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG #		TYPE OF JOB Liner									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD						
Dart For Plug Catcher, 3 1/2 In		Float Shoe 4-1/2 - 8rd											
		Float Collar, Ball Valve, 4-1/2 - 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			
				50:50 + Adds	N/A	674	14.5	1.21	5.26	145.68	84.48		
				Fresh Water	N/A	0	8.34	0	0	00:00	187.68		
				Ultraflush II	N/A	0	12	0	0	00:00	20		
Fresh Water	N/A	0	8.34	0	0	00:00	10						
Available Mix Water 550 Bbl.		Available Displ. Fluid 550 Bbl.		TOTAL		363.36	84.48						
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
6	15	13950	4	4.5	11.6	CSG	13942	5780		13942	13895	0	
			3.24	4	15.7	DP	5027	5027					
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.
6.2	7	29	CSG	6120	5027	Liner	5027	0	0	4	8 RND	WATER BASED	9.7
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			
169	BBLS	Fresh Water	8.34	722	0	0	0	0	8552	2600	Rig		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 2 BPM				
Mud Density In: 9.7 LBS/GAL Mud Density Out: 9.7 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: 1.25 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES							
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Quantity:		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)
 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 type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 6020 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:00	0	0	0	0	NA	Arrive on location	
04:51	0	0	0	0	NA	Spot trucks	
04:55	0	0	0	0	NA	Pre rig-up safety meeting	
06:33	0	0	0	0	NA	Pre-job Safety meeting	
08:33	947	0	.8	1.5	H2O	Load Lines	
08:34	6020	0	0	0	H2O	Pressure Test	
08:42	901	0	2.1	2	H2O	Pump fresh water spacer	
08:45	1235	0	3.1	8.2	H2O	Pump Fresh water spacer (rate change)	
08:50	798	0	2.3	20.8	SPACER	Batch up and pump Ultra flush wieghted spacer 12 ppg Barite	
09:06	0	0	0	0	CMT	Batch up and Pump Cement ()	
09:11	1081	0	3.4	0	CMT	Pumping cement rate change	
09:20	960	0	2	0	CMT	Pumping cement rate change	
09:21	0	0	0	0	CMT	Batch up cement	
09:25	386	0	3.5	0	CMT	Pump cement rate change	
09:42	1441	0	4.5	0	CMT	Pump cement rate change	
09:50	0	0	0	0	CMT	Batch up cement	
09:53	232	0	2.4	140.2	CMT	Pump cement rate change	
10:03	0	0	0	20	H2O	Washup	
10:14	978	0	4.2	0	H2O	Displacement	
10:33	1750	0	4	168.3	H2O	Displacement Rate Change	
11:05	2636	0	3	0	H2O	Bumped Plug	
11:08	0	0	0	0	H2O	Check Floats 1.25 bbls returned	
11:20	0	2007	0	0	H2O	Backside Test 2000 psi for 5 mins	
11:31	0	0	0	0	H2O	Bleed off pressure for stingout	
11:34	1004	0	4.2	0	H2O	Rolling the hole	
11:44	1441	0	5.9	128	H2O	Rate Change	
12:00	0	0	0	0	NA	Shutdown	

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	2636	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1.25	482	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

