

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS			DATE 21-MAR-12		F.R. # 1001896343		SERV. SUPV. CHRISTOPHER M MCKEON						
LEASE & WELL NAME BOULTER #0-2-27 - API 05123335150000			LOCATION SEC 27 - 5 N - 65 W			COUNTY-PARISH-BLOCK Weld Colorado							
DISTRICT Brighton			DRILLING CONTRACTOR RIG # CADE 22			TYPE OF JOB Long String							
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
Cement Plug, Rubber, Top 4-1/2 in		Float Shoe 4-1/2 - 8rd											
		Float Collar, Auto Fill, 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	
ClayCare Water						0	8.34	0	0	00:00	20	/	
50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF						310	14.6	1.38	5.90	02:30	76.19	43.54	
ClayCare Water						0	8.34	0	0	00:00	113.54	/	
Mud Clean II						0	8.5	0	0	00:00	20	/	
ClayCare Water						0	8.34	0	0	00:00	20	/	
PL+.6%SMS+8#/skCSE2						285	11	3.22	19.86	03:30	163.44	134.92	
Available Mix Water		800 Bbl.		Available Displ. Fluid		300 Bbl.		TOTAL		413.17		178.47	
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
7.875	20	7395	4	4.5	11.6	CSG	7350	7350	N-80	7350	7335		
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.
8.1	8.63	24	CSG	490	490	No Packer	0	0	0	4.5	8 RD	WATER BASED	9.2
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			
114	BBLS	ClayCare Water	8.34	1123	0	0	0	0	6224	3000	Rig Tank		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 5 BPM				
Mud Density In: 9.2 LBS/GAL Mud Density Out: 9.2 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 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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 30		Type: <input checked="" 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: 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)
 n/a

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 n/a

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 n/a

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	4850 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
21:30	0	0	0	0	NONE	Arrive Location	
01:30	0	0	0	0	NONE	Spot Trucks	
01:40	0	0	0	0	NONE	Pre Job Rig Up Safety Meeting	
02:30	0	0	0	0	NONE	Job Safety Meeting	
02:46	4334	0	0	0	H2O	Pressure Test	
02:50	605	0	6	20	H2O	Pre Flush w/ClayCare	
02:54	681	0	6	20	H2O	Mud Clean II	
02:58	706	0	6	20	H2O	Spaer w/ClayCare	
03:04	152	0	6	163	CMT	285 sks PLC + 4% Bentonite, .6% Sodium Metasilicate; 8 lbs/sk CSE2	
03:37	123	0	4.8	77	CMT	310 sks POZ + .3% CD32; .4% FL52; .1% Sodium Metasilicate; 20% Silica Flour	
04:01	0	0	0	0	NONE	Shut down, Wash Up, Drop plug	
04:08	108	0	7.2	60	H2O	Displacement w/ClayCare	
04:17	903	0	6	30	H2O	Displacement Rate / Pressure Change	
04:22	1262	0	4.8	15	H2O	Displacement Rate / Pressure Change	
04:25	1281	0	3.6	5	H2O	Displacement Rate / Pressure Change	
04:27	1363	0	2.4	4	H2O	Rate change	
04:28	1389	0	2.4	0	H2O	Bump Plug	
04:30	2727	0	0	0	NONE	Plug Down	
04:32	0	0	0	0	NONE	Post Job Rig Down Safety Meeting	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 2450	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 414	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature: