

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 26-MAY-12	F.R. # 1001911159	SERV. SUPV. CHRISTOPHER M MCKEON									
LEASE & WELL NAME H-Y 20-53 - API 05123354400000		LOCATION 29-6N-67W		COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 25		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		Cement Basket, Slip On, 4-1/2 in											
		Centralizer, with Pins, 4-1/2 in											
		Float Collar, Auto Fill, 4-1/2 - 8rd											
		Float Shoe 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		8.4	0								
50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF		270		14.6	1.38								
ClayCare Water		0		8.34	0								
Mud Clean II		0		8.5	0								
ClayCare Water		0		8.34	0								
PL+.6%SMS+8#/skCSE2		305		11	3.22								
Available Mix Water 400 Bbl.		Available Displ. Fluid 400 Bbl.		TOTAL 421.98 182.32									
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
7.875	20	7807	4	4.5	11.6	CSG	7763	7354	N-80	7763	7749		
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	
8.1	8.63	24	CSG	854	850	No packer		0	0	4.5	8RD	WATER BASED	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI		MAX CSG PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	MIX WATER		
120	BBLs	ClayCare Water	8.34	1105	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: 6 BPM				
Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 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: 1.3 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							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NA													

CEMENT JOB REPORT



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

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)
NA

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

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

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 4068 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
20:05	0	0	0	0	NA	Arrive location			
20:10	0	0	0	0	NA	Spot trucks			
20:15	0	0	0	0	NA	Rig up safety meeting			
20:50	0	0	0	0	NA	Pre job safety meeting			
21:13	1455	0	0	0	H2O	Low pressure test			
21:14	4068	0	0	0	H2O	High pressure test			
21:16	540	0	7.2	20	H2O	ClayCare			
21:20	633	0	7.2	20	H2O	Mud Clean II			
21:23	671	0	7.2	20	H2O	ClayCare			
21:29	208	0	7.4	176	CMT	Batch up, weigh and pump 305 sx. PLC + 4% Bentonite + 0.6% SMS + 8 lbs/sack CSE-2 @ 11.0 ppg			
21:53	197	0	5	67	CMT	Batch up, weigh and pump 270 sx. 50/50 Poz (Fly Ash) Class G Cement + 0.3% CD-32 + 0.4% FL-52 + 0.1% SMS + 20% S-B @ 14.6 ppg.			
22:10	0	0	0	0	NA	Drop plug/ wash up			
22:15	493	0	7.2	80	H2O	Start ClayCare displacement			
22:27	699	0	6	15	H2O	Rate change			
22:29	734	0	4.8	5	H2O	Rate change			
22:30	918	0	3.6	10	H2O	Rate change			
22:34	1103	0	2.4	10	H2O	Rate change			
22:37	1157	0	2.4	120	NA	Bump plug			
22:39	2576	0	0	0	NA	Plug down/ check floats/ Total displacement 120 bbls			
22:40	0	0	0	0	NA	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"/> N	1157	<input checked="" type="checkbox"/> N	0	422	0	<input checked="" type="checkbox"/> N	