

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 15-MAY-12	F.R. # 1001909012	SERV. SUPV. STEPHEN J CARDOS															
LEASE & WELL NAME H-Y 20-23 - API 05123354330000		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														
BJ Cement Plug, Rubber, Top 4-1/2	Float Collar, Auto Fill, 4-1/2 - 8rd																		
	Float Shoe 4-1/2 - 8rd																		
	Cement Basket, Slip On, 4-1/2 In																		
	Centralizer, with Pins, 4-1/2 in																		
PHYSICAL SLURRY PROPERTIES																			
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS														
ClayCare Water	N/A	0	8.34	0	0 00:00														
50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF	N/A	367	14.6	1.38	5.90 02:30														
ClayCare Water	N/A	0	8.34	0	0 00:00														
Mud Clean II	N/A	0	8.5	0	0 00:00														
ClayCare Water	N/A	0	8.34	0	0 00:00														
PL+.6%SMS+8#/skCSE2	N/A	187	11	3.22	19.86 03:30														
Available Mix Water 400 Bbl.	Available Displ. Fluid 400 Bbl.	TOTAL			382.57 139.94														
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS													
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE							
7.875	20	7972	4	4.5	11.6	CSG	8102	7347		7958	7944								
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	854	850	NO PACKER		0	0	0	4.5	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							
123.7	BBLs	ClayCare Water		8.34	1643	0		0	0	0	6224	3139			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: 8.6 LBS/GAL					Mud Density Out: 8.6 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 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: NONE																			

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)
 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 4139 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
17:05	0	0	0	0	N/A	ARRIVE ON LOCATION	
17:12	0	0	0	0	N/A	SPOT TRUCKS	
17:14	0	0	0	0	N/A	PRE-RIG UP MEETING	
18:15	0	0	0	0	N/A	SAFETY MEETING	
18:45	4139	0	0	0	H2O	PRESSURE TEST	
18:51	688	0	7.2	20	H2O	CLAY CARE PREFLUSH	
18:53	612	0	7.2	20	H2O	MUDCLEAN II SPACER	
18:56	586	0	7.2	20	H2O	CLAYCARE SPACER	
19:02	499	0	6.1	171	CMT	BATCH/WEIGH/PUMP 11.0 LB CMT	
17:40	255	0	4.8	70	CMT	PUMP/WEIGH 14.6 LB CMT	
19:59	0	0	0	0	H2O	DOWN/ DROP PLUG/WASH UP	
20:06	153	0	7.2	90	H2O	DISPLACE	
20:19	714	0	6	10	H2O	DROP RATE	
20:21	847	0	3.6	10	H2O	DROP RATE	
20:24	1384	0	2.4	13	H2O	DROP RATE	
20:29	2650	0	0	123.5	H2O	BUMP PLUG	
20:31	0	0	0	0	H2O	TEST FLOATS/BLEED OFF PRESSURE	
20:32	0	0	0	0	N/A	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	1384	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	425	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



FIELD RECEIPT NO. 1001909012

CUSTOMER GREAT WESTERN OIL & GAS				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20013943 - 00229266		INVOICE NUMBER	
MAIL INVOICE TO STREET OR BOX NUMBER 503 MAIN ST				CITY Windsor		STATE Colorado		ZIP CODE 80550			
DATE WORK COMPLETED		MO. 05	DAY 15	YEAR 2012	BHI REPRESENTATIVE STEPHEN J CARDOS		WELL API NO: 05123354330000		WELL TYPE: New Well		
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 7,972		WELL CLASS: Gas				
WELL NAME AND NUMBER H-Y 20-23					TD WELL DEPTH (ft) 8,006		GAS USED ON JOB: No Gas				
WELL LOCATION:		LEGAL DESCRIPTION 29-6N-67W			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE: Long String		
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
100021	Class G Cement				sacks	150	29.700	4,455.00	55%	2,004.75	
100120	Bentonite				lbs	1062	0.500	531.00	55%	238.95	
100121	Silica Flour				lbs	5040	0.530	2,671.20	55%	1,202.04	
100275	Sodium Metasilicate				lbs	186	3.900	725.40	55%	326.43	
100317	Poz (Fly Ash)				sacks	150	13.200	1,980.00	55%	891.00	
398108	Mud Clean II				gals	840	1.610	1,352.40	55%	608.58	
398224	Premium Lite Cement				sacks	305	24.050	7,335.25	55%	3,300.86	
488013	CD-32				lbs	76	12.650	961.40	55%	432.63	
488015	FL-52				lbs	101	25.600	2,585.60	55%	1,163.52	
488019	FP-6L				gals	5	99.250	496.25	55%	223.31	
488353	CSE-2				lbs	2440	1.610	3,928.40	55%	1,767.78	
499702	ClayCare, Clay Treat-2C, 260 gl tote				gals	9	140.000	1,260.00	55%	567.00	
SUB-TOTAL FOR Product Material								28,281.90	55.00%	12,726.85	
ARRIVE LOCATION:		MO. 05	DAY 15	YEAR 2012	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.		SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.				
CUSTOMER REP. LEVI SMALLEY							CUSTOMER AUTHORIZED AGENT X				
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					CUSTOMER AUTHORIZED AGENT		BHI APPROVED X				



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PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	161.500	161.50	0%	161.50	
M100	Bulk Materials Service Charge				cu ft	774	4.170	3,227.58	55%	1,452.41	
	SUB-TOTAL FOR Service Charges							3,389.08	52.38%	1,613.91	
F069A	Cement Pumping, 8001 - 9000 ft				6hrs	1	9,125.000	9,125.00	55%	4,106.25	
F090	Fuel per pump charge - cement				pump/hr	2	61.000	122.00	0%	122.00	
J050	Cement Head				job	1	635.000	635.00	55%	285.75	
J390	Mileage, Heavy Vehicle				miles	76	9.100	691.60	55%	311.22	
J391	Mileage, Auto, Pick-Up or Treating Van				miles	76	5.150	391.40	55%	176.13	
	SUB-TOTAL FOR Equipment							10,965.00	54.39%	5,001.35	
J401	Bulk Delivery, Dry Products				ton-mi	1156	3.030	3,502.68	55%	1,576.21	
	SUB-TOTAL FOR Freight/Delivery Charges							3,502.68	55.00%	1,576.21	
	FIELD ESTIMATE							46,138.66	54.66%	20,918.32	
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CUSTOMER REP. LEVI SMALLEY					CUSTOMER AUTHORIZED AGENT X						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED X <i>[Signature]</i>						