

CEMENT JOB REPORT



CUSTOMER PETERSON ENERGY OPERAT		DATE 17-APR-13	F.R. # 1001981282	SERV. SUPV. JASON L SJOBERG										
LEASE & WELL NAME NEILSEN #4-23 - API 05123344310000		LOCATION 23-1N-62W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSGN 226		TYPE OF JOB Plug & Abandon										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD				
None		No Shoe		None		0	0	None	0	0				
PHYSICAL SLURRY PROPERTIES														
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
Spacer Ahead FW		0		0	8.34	0	0	00:00	5					
Class G Neat		0		60	15.8	1.15	5.00		12.27	7.14				
Spacer Behind FW		0		0	8.34	0	0	00:00	1					
Fresh Water		0		0	8.34	0	0	00:00	70					
Spacer Ahead FW		0		0	8.34	0	0	00:00	5					
Class G Neat		0		40	15.8	1.15	5.00		8.18	4.76				
Spacer Behind FW		0		0	8.34	0	0	00:00	1					
Fresh Water		0		0	8.34	0	0	00:00	62					
Spacer Ahead FW		0		0	8.34	0	0	00:00	5					
Class G Neat		0		40	15.8	1.15	5.00		8.18	4.76				
Spacer Behind FW		0		0	8.34	0	0	00:00	1					
Fresh Water		0		0	8.34	0	0	00:00	7					
Spacer Ahead FW		0		0	8.34	0	0	00:00	5					
Class G Neat		0		15	15.8	1.15	5.00		3.07	1.79				
Fresh Water		0		0	8.34	0	0	00:00	1					
Available Mix Water		350 Bbl.		Available Displ. Fluid		350 Bbl.		TOTAL		194.69 18.45				
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
7.875	0	8450	8.097	8.625	24	CSG	817	817	J-55			0		
			3.24	4	15.7	CSG	7098	7098	P-110					
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.
						No Packer		0			4	FH	WATER BASED	8.8
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			
71.9	BBLs	Fresh Water		8.34	0	0	0	0	0	7816	3000	Truck		
		Fresh Water		8.34										
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: 8.8 LBS/GAL				Mud Density Out: 8.8 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: 0 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 checked="" type="checkbox"/> RECIPROICATION <input 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														
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None														

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Plugs			
Number of Attempts by BJ: 4	Competition: 4	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: 6900 FT	Bottom of Plug: 7098 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	

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)
Valves freezing, product line packed off, Co man wanted to circulate out what was pumped so far. Rig circulated out and we started over.

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

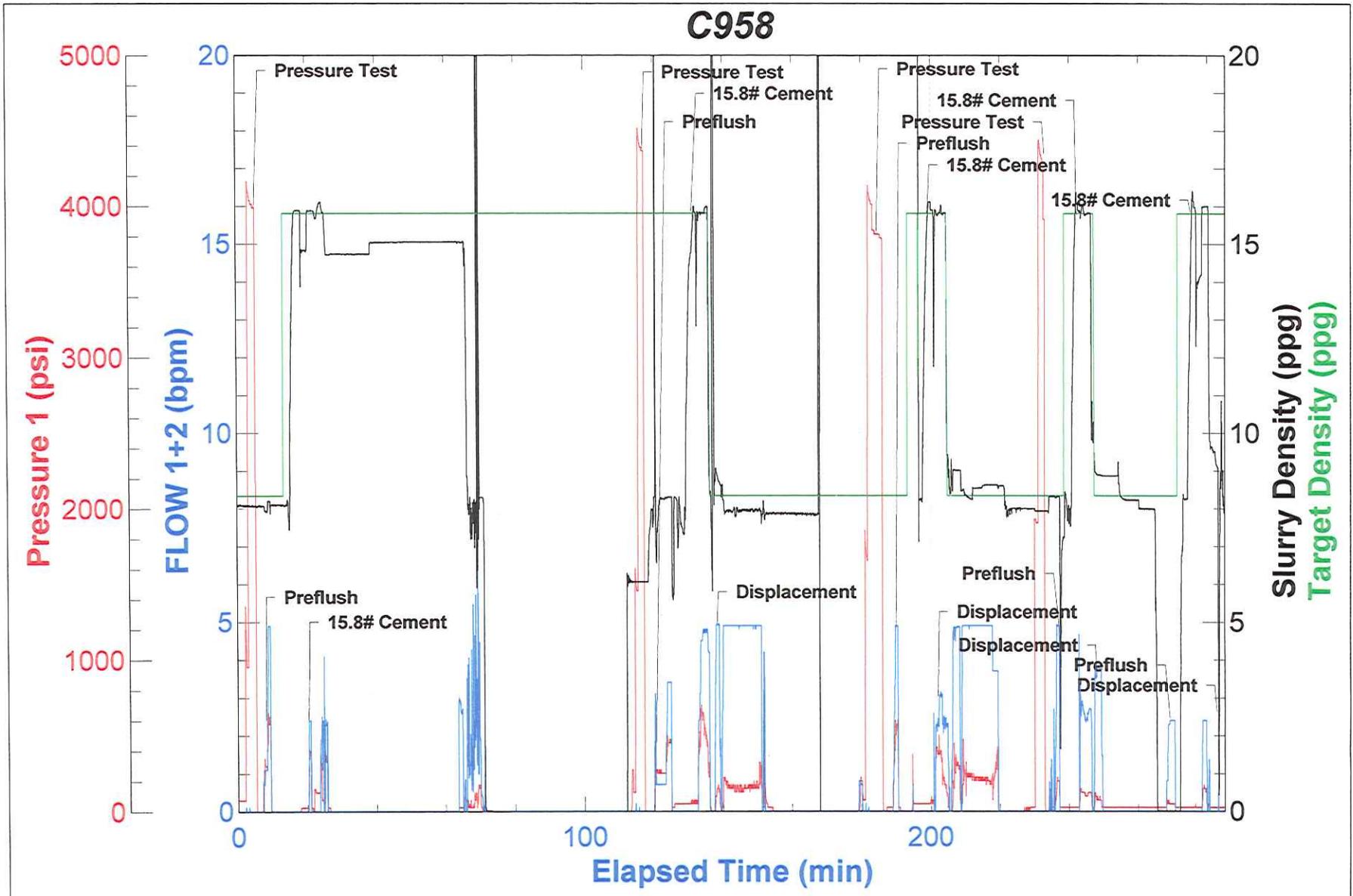
PRESSURE/RATE DETAIL					EXPLANATION			
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>		
	PIPE	ANNULUS				TEST LINES	4515 PSI	
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
18:30	0	0	0	0	N/A	Yard Call		
20:10	0	0	0	0	N/A	Leave Yard		
23:00	0	0	0	0	N/A	Arrive on Location		
23:45	0	0	0	0	N/A	Spot Trucks		
23:55	0	0	0	0	N/A	Pre Rig-up Safety Meeting		
02:00	0	0	0	0	N/A	Safety Meeting		
03:10	4089	0	0	0	H2O	Pressure Test Pump and Lines		
03:38	550	0	5	5	H2O	Preflush Fresh Water		
03:52	600	0	4.7	5	CMT	Batch, Weigh, Pump 15.8# Class G Neat		
04:00	0	0	0	0	N/A	Product line packed off, Rig circulated cement out of hole		
05:25	4515	0	0	0	H2O	Pressure Test Pump and Lines		
05:35	450	0	3.4	5	H2O	Preflush Fresh Water		
05:37	625	0	4.7	12.3	CMT	Batch and Pump 15.8# Class G Neat @ 7098'		
05:46	200	0	4.9	1	H2O	Displacement		
05:49	174	0	4.9	69	MUD	Displacement		
06:08	0	0	0	0	N/A	Rig pull up pipe for next plug @ 6242'		
07:41	4139	0	0	0	H2O	Pressure Test Pump and Lines		
07:49	525	0	4.9	5	H2O	Preflush Fresh Water		
07:58	345	0	3.2	8.2	CMT	Batch and Pump 15.8# Class G Neat		
08:04	340	0	3.2	1	H2O	Displacement		
08:06	148	0	4.8	60	MUD	Displacement		
08:27	0	0	0	0	N/A	Rig pull up pipe for next plug @ 854'		
12:46	4440	0	0	0	H2O	Pressure Test Pump and Lines		
12:54	199	0	4.9	5	H2O	Preflush Fresh Water		
12:56	123	0	2.5	8.2	CMT	Batch and Pump 15.8# Class G Neat		
13:03	120	0	2.5	1	H2O	Displacement		
13:05	123	0	3.7	6.2	MUD	Displacement		

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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 4515 PSI		
13:14	0	0	0	0	N/A	CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		
14:30	60	0	2.5	5	H2O	Rig pull up pipe for next plug @ 85'		
14:41	90	0	2.5	3.1	CMT	Preflush Fresh Water		
14:43	50	0	1	.3	H2O	Batch and Pump 15.8# Class G Neat		
14:50	0	0	0	0	N/A	Displacement		
						Post Job 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:
Y <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	0	201	0	Y <input checked="" type="checkbox"/> N	





FIELD RECEIPT NO. 1001981282

CUSTOMER PETERSON ENERGY OPERATING INC				CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 0040131069 - 0040131069	INVOICE NUMBER		
MAIL INVOICE TO		STREET OR BOX NUMBER 2154 W EISENHOWER BLVD		CITY LOVELAND		STATE Colorado	ZIP CODE 80537		
DATE WORK COMPLETED	MO. 04	DAY 17	YEAR 2013	BHI REPRESENTATIVE JASON L SJOBERG	WELL API NO: 05123344310000	WELL TYPE : New Well			
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 7,098		WELL CLASS : Oil			
WELL NAME AND NUMBER NEILSEN #4-23				TD WELL DEPTH (ft) 8,450		GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 23-1N-62W		COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Plug & Abandon			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Cement, Class G, bulk			sacks	95	31.800	3,021.00	55%	1,359.45
100112	Calcium Chloride			lbs	300	1.290	387.00	100%	0.00
100404	Sodium Chloride			lbs	100	0.520	52.00	100%	0.00
488019	FP-6L			gals	2	104.250	208.50	55%	93.83
L100021-00	Class G Cement			sacks	60	31.800	1,908.00	55%	858.60
SUB-TOTAL FOR Product Material							5,576.50	58.54%	2,311.88
A152	Personnel Per Diem Chrg - Cement Svc			ea	1	210.000	210.00	0%	210.00
M100	Bulk Material Blending Charge			cu ft	228	5.450	1,242.60	55%	559.17
SUB-TOTAL FOR Service Charges							1,452.60	47.05%	769.17
ARRIVE LOCATION :	MO. 04	DAY 17	YEAR 2013	TIME 23:00	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. Chris Montoya				SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS			CUSTOMER AUTHORIZED AGENT X		
							BHI APPROVED X		
				CUSTOMER AUTHORIZED AGENT					



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WELL LOCATION :		LEGAL DESCRIPTION 23-1N-62W		COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Plug & Abandon			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
F067A	Cement Pump Tubing, 7001 - 8000 ft			6hrs	1	9,525.000	9,525.00	55%	4,286.25
F088	Cement Pumping, Additional hrs			hrs	1	900.000	900.00	55%	405.00
F090	Fuel per pump charge - cement			pump/hr	23	70.250	1,615.75	0%	1,615.75
J225	Data Acquisition, Cement, Standard			job	1	2,130.000	2,130.00	55%	958.50
J390	Mileage, Heavy Vehicle			miles	68	11.850	805.80	55%	362.61
J391	Mileage, Auto, Pick-Up or Treating Van			miles	68	6.700	455.60	55%	205.02
	SUB-TOTAL FOR Equipment						15,432.15	49.24%	7,833.13
J401	Bulk Delivery, Dry Products			ton-mi	359	3.940	1,414.46	55%	636.51
	SUB-TOTAL FOR Freight/Delivery Charges						1,414.46	55.00%	636.51
	FIELD ESTIMATE						23,875.71	51.62%	11,550.69
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CUSTOMER REP. Chris Montoya					CUSTOMER AUTHORIZED AGENT			X	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS								BHI APPROVED	
					CUSTOMER AUTHORIZED AGENT				