

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS			DATE 17-AUG-12		F.R. # 1001929405		SERV. SUPV. RYAN R STEVENS							
LEASE & WELL NAME HEMBERGER 2-25-34-8-60 - API 05123344040000			LOCATION 25-8N-60W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Xtreme #19			TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
7" Top Cem Plug, Nitrile cvr, Phen		Float Collar, Al Flap, 7 - 8rd		/		/	/	/	/	/	/			
/		Float Shoe 7 - 8rd												
		Centralizer, with Pins, 7 in												
		Cement Basket, Slip On, 7 in												
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		
Drilling Mud + Biocide				/		0	9.5	0	0	00:00	0	/		
Fresh Water						0	8.33	0	0	00:00	10			
SealBond Spacer						0	8.4	0	0	00:00	40			
Premium Lite Cement + adds						394	12.5	1.94	10.65	00:00	136.26		99.87	
50/50 (Poz/Class G Cement) + adds						139	13.5	1.71	8.30	00:00	42.40		27.47	
Drilling Mud						0	9.5	0	0	00:00	243.88			
Available Mix Water 800 Bbl.				Available Displ. Fluid 400 Bbl.		TOTAL				472.55	127.34			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	0	6300	6.366	7	23	CSG	6201	6201	P-110	6282	6201	0		
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.
8.9	9.63	36	CSG	1425	1416	No liner		0	0	0	7	8RD	WATER BASED	9.5
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			
243.9	BBLS	Drilling Mud		9.5	1036	0	0	0	0	3488	2500	Rig tank		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1.5			Circulation Rate: 6 BPM					
Mud Density In: 9.4 LBS/GAL Mud Density Out: 9.4 LBS/GAL						PV & YP Mud In: 16			PV & YP Mud Out: 16					
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: 2.5 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: 20			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 3929 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
06:15	0	0	0	0	N/A	Yard call			
11:37	0	0	0	0	N/A	Arrived on location (80 Miles) Rig running casing			
12:02	0	0	0	0	N/A	Spot Trucks			
12:30	0	0	0	0	N/A	Pre rig up safety meeting			
14:45	0	0	0	0	N/A	Pre job safety meeting			
15:00	0	0	0	0	N/A	Rig pump 68 Bbls of mud + Magnacide			
15:42	4280	0	0	0	WATER	Pressure test pumps and lines			
15:51	0	0	0	0	N/A	Fixed pin			
16:41	3929	0	0	0	WATER	Pressure test Pumps and Lines			
16:43	329	0	6	10	WATER	Fresh water + Magnacide			
16:46	587	0	5.7	40	SPACER	Seal Bond spacer			
17:12	587	0	6	129	CEMENT	Batch up weigh, and pump 394 SXS of PLC + 0.25% Cello flake + 0.4% FL-52 + 6% Bentonite @ 12.5 PPG			
17:38	306	0	6	43	CEMENT	Batch up weigh, and pump 139 SXS of (50:50) Poz (Fly Ash): Class G cement + 0.4% FL-52 + 3% Bentonite + 0.1 SMS + 20% S-8 @ 13.5 PPG			
17:47	0	0	0	0	N/A	Release Plug			
17:58	842	0	6	200	MUD	Displacement			
18:26	1072	0	4.8	20	MUD	Drop rate			
18:33	1276	0	3.6	24	MUD	Drop rate			
18:38	1786	0	3.6	244	MUD	Bump plug			
18:42	0	0	0	0	N/A	Check floats			
18:45	0	0	0	0	N/A	Pre rig down safety meeting			
19:35	0	0	0	0	N/A	Time off location			

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	1786	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	25	466	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



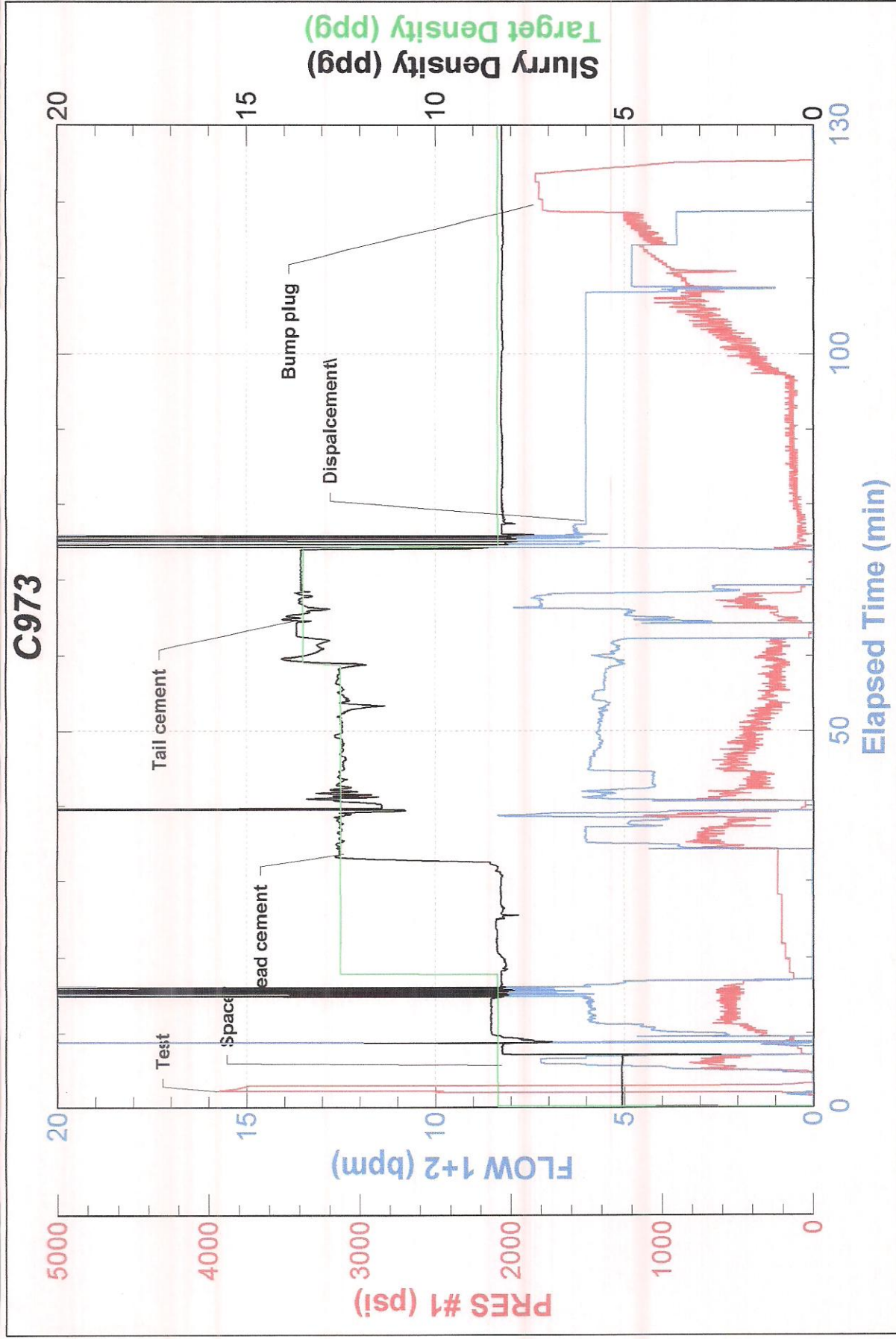
BJ Services JobMaster Program Version 3.50

Job Number: 1001

Customer:

Well Name:

C973





FIELD RECEIPT NO. 1001929405

CUSTOMER				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20015134 - 00250300		INVOICE NUMBER	
MAIL				STREET OR BOX NUMBER		CITY		STATE		ZIP CODE	
				1000 LOUISIANA ST, STE 1699		Houston		Texas		77002	
DATE WORK COMPLETED		MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO.		WELL TYPE :			
08 17 2012		08	17	2012	RYAN R STEVENS	05123344040000		New Well			
DISTRICT						JOB DEPTH (ft)		WELL CLASS :			
BJS, BRIGHTON						6,282		Oil			
WELL NAME AND NUMBER						TD WELL DEPTH (ft)		GAS USED ON JOB :			
HEMBERGER 2-25-34-8-60						6,300		No Gas			
WELL LOCATION :		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :			
		25-8N-60W		Weld		Colorado		Intermediate			

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
100021	Class G Cement	sacks	70	31.800	2,226.00	65%	779.10	
100120	Bentonite	lbs	2408	0.530	1,276.24	65%	446.68	
100121	Silica Flour	lbs	2336	0.590	1,378.24	65%	482.38	
100275	Sodium Metasilicate	lbs	12	4.100	49.20	65%	17.22	
100295	Cello Flake	lbs	86	5.100	438.60	65%	153.51	
100317	Poz (Fly Ash)	sacks	70	14.200	994.00	65%	347.90	
398224	Premium Lite Cement	sacks	394	27.650	10,894.10	65%	3,812.94	
398416	SealBond Spacer (w/ 30lb pail)	bbbls	40	277.200	11,088.00	65%	3,880.80	
488015	FL-52	lbs	185	26.900	4,976.50	65%	1,741.78	
488019	FP-6L	gals	5	104.250	521.25	65%	182.44	
488252	Magnacide 575	gals	3	307.000	921.00	65%	322.35	
488521	SealBond Plus	lbs	600	4.730	2,838.00	65%	993.30	
499632	Granulated Sugar	lbs	100	3.840	384.00	65%	134.40	
SUB-TOTAL FOR Product Material						37,985.13	65.00%	13,294.80

ARRIVE LOCATION :				MO.				DAY				YEAR				TIME															
				08				17				2012				11:37															
CUSTOMER REP.																Jeff Myers															
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS																CUSTOMER AUTHORIZED AGENT															
																X															
																BHI APPROVED															
																X															

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 AUTHORIZED AGENT															
X															



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CUSTOMER				CARRIZO OIL & GAS		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20015134 - 00250300		INVOICE NUMBER	
MAIL INVOICE TO:				STREET OR BOX NUMBER 1000 LOUISIANA ST, STE 1699		CITY Houston		STATE Texas		ZIP CODE 77002			
DATE WORK COMPLETED		MO.	DAY	YEAR	BHI REPRESENTATIVE		WELL API NO:		WELL TYPE:				
08 17 2012		08	17	2012	RYAN R STEVENS		05123344040000		New Well				
DISTRICT								JOB DEPTH (ft)		WELL CLASS:			
BJS, BRIGHTON								6,282		Oil			
WELL NAME AND NUMBER								TD WELL DEPTH (ft)		GAS USED ON JOB:			
HEMBE RGER 2-25-34-8-60								6,300		No Gas			
WELL LOCATION:				COUNTY/PARISH				STATE		JOB TYPE CODE:			
25-8N-60W				Weld				Colorado		Intermediate			

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
K301	Batch Mix Truck, 100-150 bbl, After 4hrs	hrs	3	985.000	2,955.00	65%	1,034.25
M100	Bulk Materials Blending Charge	cu ft	650	5.450	3,542.50	65%	1,239.88
R798	Automatic Density System	job	1	1,990.000	1,990.00	65%	696.50
	SUB-TOTAL FOR Service Charges				8,697.50	63.43%	3,180.63
F065A	Cement Pumping, 6001 - 7000 ft	6hrs	1	8,300.000	8,300.00	65%	2,905.00
F090	Fuel per pump charge - cement	pump/hr	12	70.250	843.00	0%	843.00
J050	Cement Head	job	1	830.000	830.00	65%	290.50
J390	Mileage, Heavy Vehicle	miles	160	11.850	1,896.00	65%	663.60
J391	Mileage, Auto, Pick-Up or Treating Van	miles	160	6.700	1,072.00	65%	375.20
	SUB-TOTAL FOR Equipment				12,941.00	60.77%	5,077.30
J401	Bulk Delivery, Dry Products	ton-mi	2092	3.940	8,242.48	65%	2,884.87
	SUB-TOTAL FOR Freight/Delivery Charges				8,242.48	65.00%	2,884.87

ARRIVE LOCATION:				MO.				DAY				YEAR				TIME			
08 17 2012				11:37															
CUSTOMER REP.																			
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<div style="display: flex; justify-content: space-between;"> <div> <p>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.</p> <p><i>[Signature]</i></p> </div> <div> <p>SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.</p> <p><i>[Signature]</i></p> </div> </div>																			
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DATE WORK COMPLETED	MO. 08	DAY 17	YEAR 2012	BHI REPRESENTATIVE RYAN R STEVENS	WELL API NO: 05123344040000	WELL TYPE: New Well	WELL CLASS: Oil				
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 6,282	TD WELL DEPTH (ft) 6,300	GAS USED ON JOB: No Gas					
WELL NAME AND NUMBER HEMBERGER 2-25-34-8-60				COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE: Intermediate					
WELL LOCATION :		LEGAL DESCRIPTION 25-8N-60W		DESCRIPTION		FIELD ESTIMATE					
PRODUCT CODE	UNIT OF MEASURE		QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT				
<p>Well: <u>HEMBERGER 2-25-34-8-60</u></p> <p>AFE: <u>312-119</u></p> <p>Code: <u>160-110</u></p> <p>Description: <u>INTERMEDIATE CEMENT</u></p> <p>Amount Approved: <u>\$24,437.60</u></p> <p>Approved By: _____</p>											
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CUSTOMER REP. Jeff Myers					<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input type="checkbox"/> BHI APPROVED						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					CUSTOMER AUTHORIZED AGENT						