

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 16-NOV-14		F.R. # 10011116653			SERV. SUPV. Zachary Fagg								
LEASE & WELL NAME TIMBRO RANCH #2-34-10-59 - API 0512340525000				LOCATION 3-9N-59W			COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Xtreme 19				TYPE OF JOB Surface									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD				
Cement Plug, Rubber, Top 9-5/8 in		Cement Basket, Slip On, 9-5/8 in			NONE				Casing		1400	1400				
		Centralizer, with Fins, 9-5/8 in														
		Float Collar, AI Flap, 9-5/8 - 8rd														
		Float Shoe 9-5/8 - 8rd														
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				
Fresh Water + 2 lbs Red Dye						0	8.34	0	0	00:00	15					
Type III Cmt + adds						146	14.5	1.41	6.82	01:54	36.7	23.77				
Premium Lite Cmt + adds						403	13	1.81	9.46	04:04	129.9	90.56				
Fresh Water						0	8.34	0	0	00:00	132.20					
Available Mix Water 500 Bbl.			Available Displ. Fluid 500 Bbl.			TOTAL			313.80		114.33					
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE				
12.25	100	1750	8.921	9.625	36	CSG	1750	1750	J-55	1445	1400.55	1				
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.		
15.	16	65		70	70	NO PACKER			0	0	9.625	8 RND	FRESH WATER	8.34		
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						
108.3	BBLs	Fresh Water	8.34	1252	0	0	0	0	2816	1531	RIG					
Circulation Prior to Job																
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2				Circulation Rate: 4 BPM								
Mud Density In: 8.4 LBS/GAL				Mud Density Out: 8.4 LBS/GAL				PV & YP Mud In:			PV & YP Mud Out:					
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: 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES												
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE																
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 14				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						
Casing Test (Update Original Treatment Report for Primary Job)																
Casing Test Pressure: 1506 PSI							With 8.34 LBS/GAL Mud			Time Held: 00 Hours 15 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	

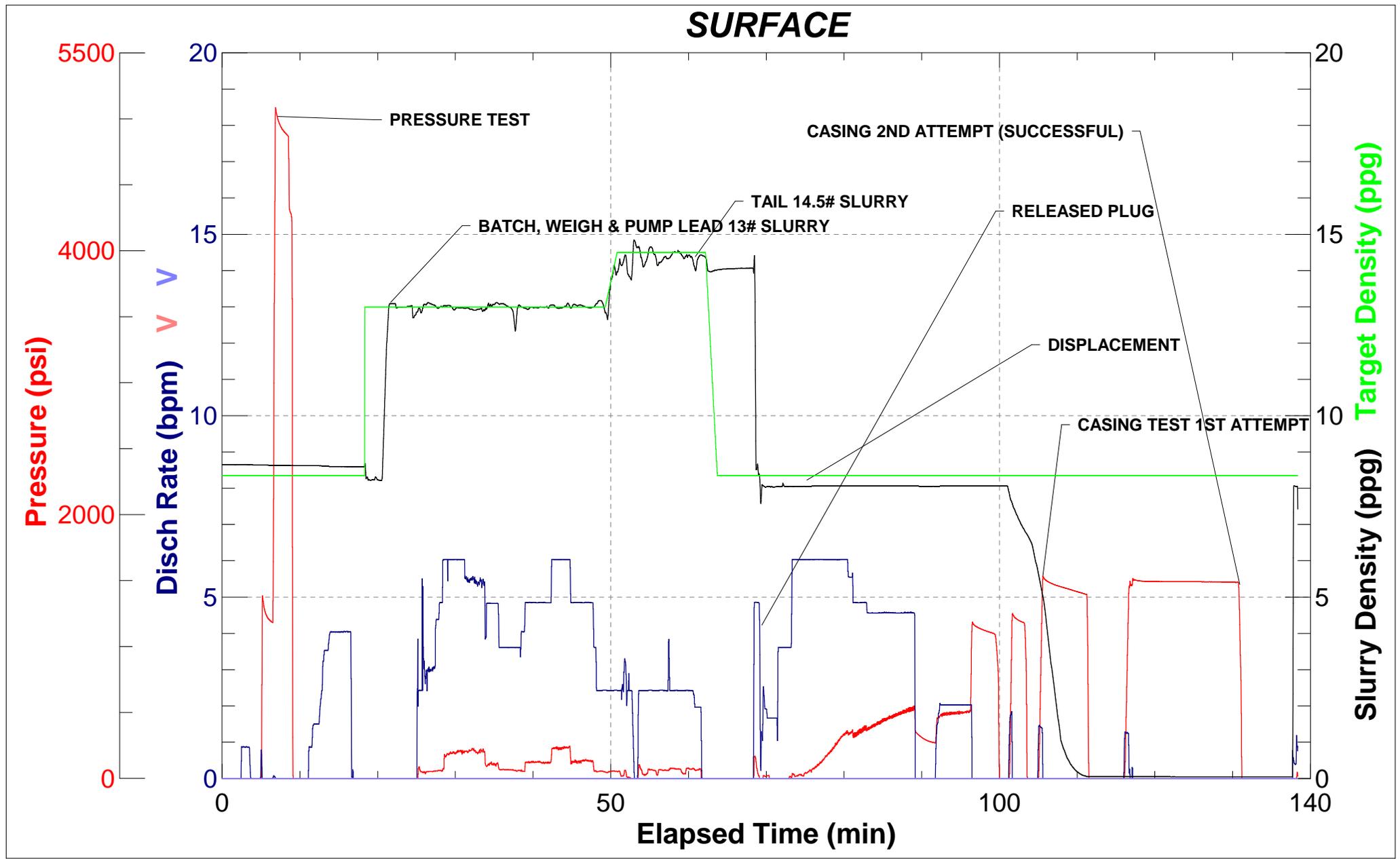
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

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	4000 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
19:45	0	0	0	0	N/A	LEFT DISTRICT	
22:30	0	0	0	0	N/A	ARRIVE ON LOCATION	
01:15	0	0	0	0	N/A	SPOT TRUCKS	
01:30	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING & RIG UP	
02:20	0	0	0	0	N/A	SAFETY MEETING	
04:05	0	0	.8	1	H2O	LOAD LINES	
04:07	1482	0	0	0	H2O	LOW PRESSURE TEST	
04:09	5095	0	0	0	H2O	HIGH PRESSURE TEST	
04:13	0	0	4	15	H2O	PRE FLUSH W/ DYE	
04:20	247	0	6	129	CMNT	BATCH, WEIGH & PUMP 13# LEAD SLURRY	
04:52	104	0	2.4	37	CMNT	PUMP 14.5 TAIL SLURRY	
05:10	0	0	0	0	N/A	DROP PLUG	
05:11	476	0	6	100	H2O	WASH UP AND DISPLACE	
05:30	491	0	2.4	8	H2O	SLOW RATE	
05:39	1175	0	0	0	H2O	BUMP PLUG	
05:42	0	0	0	0	H2O	CHECK FLOATS	
05:44	1252	0	0	0	H2O	BUMP PLUG	
05:46	0	0	0	0	H2O	CHECK FLOATS 2ND ATTEMPT (SUCCESSFUL)	
05:47	1531	0	0	0	H2O	CASING TEST 1ST ATTEMPT	
05:58	1506	0	0	0	H2O	CASING TEST 2ND ATTEMPT (SUCCESSFUL)	
05:15	0	0	0	0	N/A	SHUT DOWN	
	0	0	0	0	N/A	RIG DOWN SAFETY MEETING & RIG DOWN	
	0	0	0	0	N/A	LEAVE 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	1252	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	37	289	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	





CEMENTING LABORATORY REPORT
Lab Report #C11-047-14

COMPANY :	Carrizo Oil & Gas Inc.	DATE:	November 13, 2014
WELL NAME:	Timbro Ranch #2-34-10-59	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-40525-0000	TOC(md):	
DEPTH MD(ft):	1,450 ft	BHST(°F):	109 °F
CASING SIZE("):	9 5/8 in	BHCT(°F):	85 °F
TUBING SIZE("):		BHSqT(°F):	94 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry : Premium Lite Cement + 6% Bentonite + 3% Calcium Chloride + 3% Sodium Chloride + 0.25 pps Cello Flake + 0.04% Static Free + 0.5 gps FP-6L
#2	Tail Slurry : Type III Cement + 1.5% Calcium Chloride + 0.25 pps Cello Flake + 0.04 pps Static Free + 0.5 gps FP-6L
#3	

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		13.00	14.50	
Yield :cu.ft./sk.		1.81	1.41	
Mixing Water: gal/sk.		9.46	6.82	
Water Type:		Fresh	Fresh	
Testing Temperature :		84 °F	83 °F	
Thickening Time: hrs:mins.		4:04	1:54	
Free Water: mls.				
Fluid Loss:ml/30min				
Compressive Strength:				
	hrs.			
	hrs.			
Rheologies	RPM			
	300			
	200			
	100			
	6			
	3			
	600			
	PV			
	YP			
Gel Strength : #/100sq.ft.	10 sec.			
	10 min.			

REMARKS :

COMMENTS : The above data is supplied solely for informational purposes and BHI makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.



FIELD RECEIPT NO. 10011116653

CUSTOMER CARRIZO OIL & GAS INC XML				CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 0040003338 - 0040139823-1	INVOICE NUMBER		
MAIL INVOICE TO 500 DALLAS STREET, SUITE 2499		STREET OR BOX NUMBER		CITY Houston		STATE Texas	ZIP CODE 77063		
DATE WORK COMPLETED	MO. 11	DAY 16	YEAR 2014	BHI REPRESENTATIVE Zachary Fagg	WELL API NO: 05123405250000	WELL TYPE : New Well			
DISTRICT PP, BRIGHTON				JOB DEPTH (ft) 1,400		WELL CLASS : Oil			
WELL NAME AND NUMBER TIMBRO RANCH #2-34-10-59				TD WELL DEPTH (ft) 1,465		GAS USED ON JOB : No Gas			
WELL LOCATION : 3-9N-59W		LEGAL DESCRIPTION Weld		COUNTY/PARISH	STATE Colorado	JOB TYPE CODE : Surface			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride			lbs	1258	1.290	1,622.82	70%	486.85
100295	Cello Flake			lbs	138	5.100	703.80	70%	211.14
100404	Sodium Chloride			lbs	954	0.520	496.08	70%	148.82
398224	Premium Lite Cement			sacks	403	27.650	11,142.95	70%	3,342.89
488019	FP-6L			gals	4	104.250	417.00	70%	125.10
488449	Bentonite II			lbs	2104	0.440	925.76	70%	277.73
499632	Granulated Sugar			lbs	100	3.840	384.00	70%	115.20
499680	Static Free			lbs	20	40.700	814.00	70%	244.20
499703	Type III Cement			sacks	146	31.700	4,628.20	70%	1,388.46
SUB-TOTAL FOR Product Material							21,134.61	70.00%	6,340.39
A152	Personnel Per Diem Chrg - Cement Svc			ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge			cu ft	745	5.450	4,060.25	70%	1,218.08
R798	Automatic Density System			job	1	1,990.000	1,990.00	70%	597.00
SUB-TOTAL FOR Service Charges							6,260.25	67.65%	2,025.08
ARRIVE LOCATION :	MO. 11	DAY 15	YEAR 2014	TIME 22:30	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. BOB MCNEESE				CUSTOMER AUTHORIZED AGENT X					
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				BHI APPROVED X					
					CUSTOMER AUTHORIZED AGENT				



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PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
F055A	Cement Pumping, 1001 - 2000 ft				4hrs	1	4,875.000	4,875.00	70%	1,462.50	
F090	Fuel per pump charge - cement				pump/hr	6	70.250	421.50	0%	421.50	
J050	Cement Head				job	1	830.000	830.00	70%	249.00	
J225	Data Acquisition, Cement, Standard				job	1	2,130.000	2,130.00	70%	639.00	
J390	Mileage, Heavy Vehicle				miles	192	11.850	2,275.20	70%	682.56	
J391	Mileage, Auto, Pick-Up or Treating Van				miles	192	6.700	1,286.40	70%	385.92	
K289	Misc Cement Pumping, Non-Pump Time				hrs	14	575.000	8,050.00	70%	2,415.00	
SUB-TOTAL FOR Equipment								19,868.10	68.51%	6,255.48	
J401	Bulk Delivery, Dry Products				ton-mi	3032	3.940	11,946.08	70%	3,583.82	
J402	Bulk Delivery, Standby Charge				hrs	2	226.500	453.00	70%	135.90	
SUB-TOTAL FOR Freight/Delivery Charges								12,399.08	70.00%	3,719.72	
FIELD ESTIMATE								59,662.04	69.26%	18,340.67	
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CUSTOMER REP. BOB MCNEESE					CUSTOMER AUTHORIZED AGENT X				CUSTOMER AUTHORIZED AGENT		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									BHI APPROVED X		
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