

# CEMENT JOB REPORT



<b>CUSTOMER</b> CARRIZO OIL & GAS INC XML			<b>DATE</b> 04-MAR-13		<b>F.R. #</b> 1001969662		<b>SERV. SUPV.</b> REESE A ANDERSON						
<b>LEASE &amp; WELL NAME</b> BRINGELSON 2-32-9-58 - API 05123366250000			<b>LOCATION</b> 32-9N-58W			<b>COUNTY-PARISH-BLOCK</b> Weld Colorado							
<b>DISTRICT</b> Brighton			<b>DRILLING CONTRACTOR RIG #</b> Xtreme Coil #19			<b>TYPE OF JOB</b> Surface							
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>		
Cement Plug, Rubber, Top 9-5/8 in		Alum Baffle Plate, Slip On, 9-5/8											
		Float Shoe 9-5/8 - 8rd											
<b>PHYSICAL SLURRY PROPERTIES</b>													
<b>MATERIALS FURNISHED BY BJ</b>			<b>LAB REPORT NO.</b>		<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>		
Fresh Water + 2 lbs Red Dye			0		0	8.34	0	0	00:00	15			
Type III Cement + adds			0		147	14.5	1.40	6.81	02:30	36.70	23.83		
Premium Lite Cement + adds			0		410	13	1.77	9.20	03:00	129.06	89.81		
Fresh Water			0		0	8.34	0	0	00:00	108.23			
Available Mix Water 400 Bbl.			Available Displ. Fluid 400 Bbl.			<b>TOTAL</b>			288.99	113.63			
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>					<b>COLLAR DEPTHS</b>					
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>	
12.25	100	1440	8.921	9.625	36	CSG	1440	1440	J-55	1444	1404	1399	
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>			
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
15.	16	65		70	70	NO PACKER	0	0	0	9.625	8 RD	WATER BASED	8.5
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>		
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
110	BBLS	Fresh Water	8.34	900	0	0	0	0	4224	2000	RIG TANK		
<b>Circulation Prior to Job</b>													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 6 BPM				
Mud Density In: 8.5 LBS/GAL Mud Density Out: 8.5 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"/>							
<b>Displacement And Mud Removal</b>													
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 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"/> 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: 10		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													
<b>Plugs</b>													
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				
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>													
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			
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>													
Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud						Time Held: 00 Hours 00 Minutes							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE													
<b>PRESSURE/RATE DETAIL</b>						<b>EXPLANATION</b>							



# CEMENT JOB REPORT



## 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	3090 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
20:00	0	0	0	0	NA	YARD CALL	
22:07	0	0	0	0	NA	LEAVE YARD	
00:40	0	0	0	0	NA	ARRIVE ON LOCATION	
00:46	0	0	0	0	NA	SPOT TRUCKS/PRE RIG U P MEETING/RIG UP	
01:48	0	0	0	0	NA	SAFETY MEETING	
02:40	3090	0	0	0	H2O	PRESSURE TEST	
02:43	305	0	5	15	H2O	DYED SPACER	
02:50	348	0	5	131	CMT	410 SACKS 13 PPG CEMENT	
03:35	449	0	5	37	CMT	147 SACKS 14.5 PPG CEMENT	
03:46	0	0	0	0	NA	DROP PLUG	
03:49	459	0	4.1	110	H2O	DISPLACEMENT	
04:14	459	0	4.1	110	H2O	DID NOT BUMP PLUG/BLEED OFF/TEST FLOATS	
04:18	0	0	0	0	NA	FLOATS HOLDING/73 BBLs CEMENT RETURNED	
04:20	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN	

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 type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	73	293	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	<i>Reese Anderson</i>

*[Signature]*

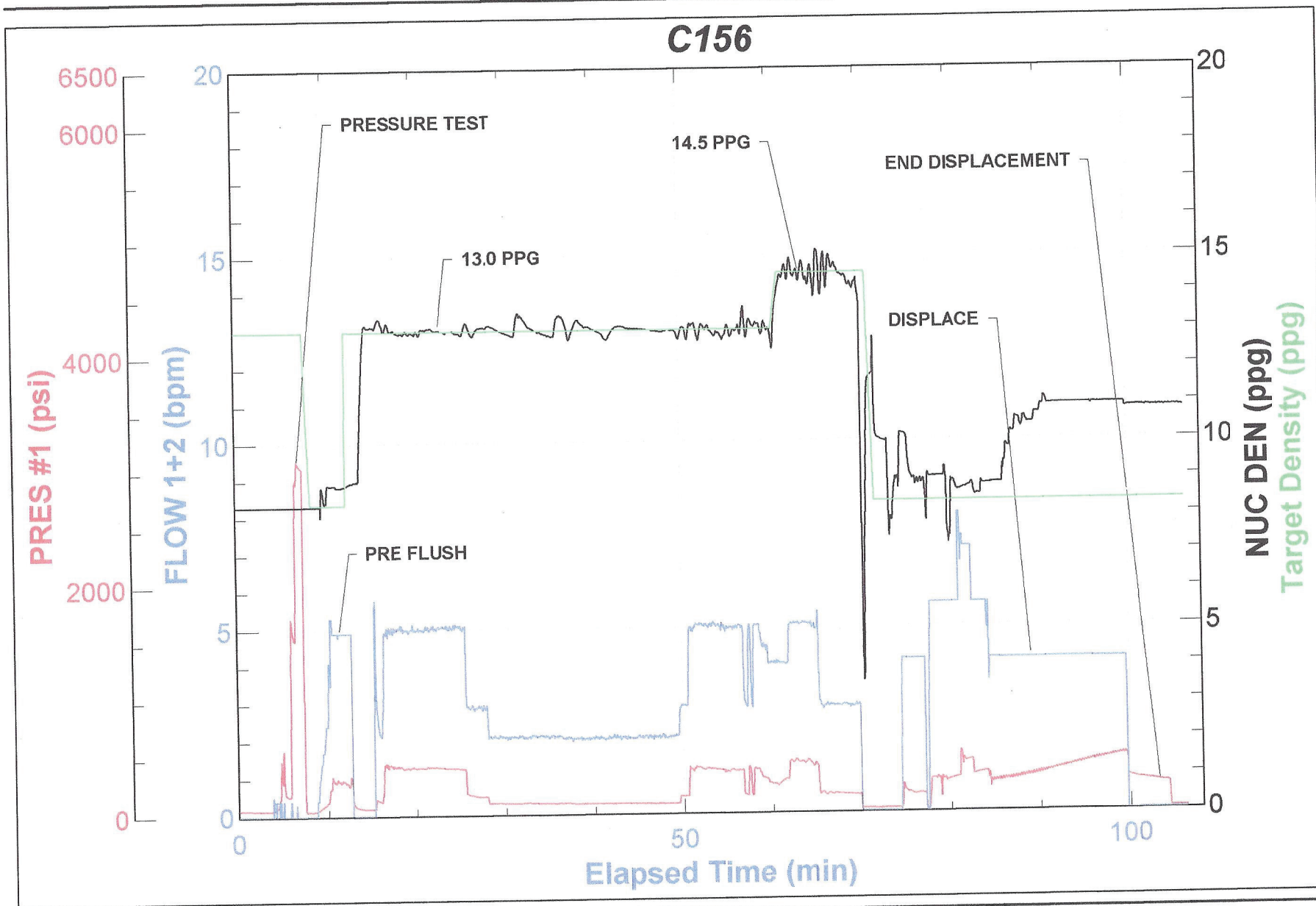


Baker Hughes JobMaster Program Version 3.60

Job Number: 1001969662

Customer: CARRIZO

Well Name: BRINGELSON 2-32-9-58





# CEMENTING LABORATORY REPORT

## Lab Report #C03-012-13

COMPANY :	Carrizo Oil & Gas	DATE:	March 3, 2013
WELL NAME:	Bringelson 2-32-9-58	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-36625-0000	TOC(md):	
DEPTH MD(ft):	1,440 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 + 0.08% Static Free + 0.25 pps Cello Flake
#2	Tail Slurry: Type III Cement + 1% Calcium Chloride + 0.08 pps Static Free + 0.25 pps Cello Flake
#3	

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			13.00	14.50	
Yield :cu.ft./sk.			1.77	1.40	
Mixing Water: gal/sk.			9.20	6.81	
Water Type:			Fresh	Fresh	
Testing Temperature :			85 °F	85 °F	
Thickening Time: hrs:mins.			6:31	3:08	
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 :	
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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. 1001969662

CUSTOMER CARRIZO OIL & GAS INC XML				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20015134 - 0040139823-2		INVOICE NUMBER	
MAIL INVOICE TO : STREET OR BOX NUMBER 500 DALLAS STREET, SUITE 2499				CITY Houston		STATE Texas		ZIP CODE 77063			
DATE WORK COMPLETED		MO. 03	DAY 04	YEAR 2013	BHI REPRESENTATIVE REESE A ANDERSON		WELL API NO: 05123366250000		WELL TYPE : New Well		
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 1,444		WELL CLASS : Oil				
WELL NAME AND NUMBER BRINGELSON 2-32-9-58					TD WELL DEPTH (ft) 1,446		GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 32-9N-58W			COUNTY/PARISH Weld		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	✓ 1209	1.290	1,559.61	65%	545.86	
100120	Bentonite				lbs	✓ 2140	0.530	1,134.20	65%	396.97	
100295	Cello Flake				lbs	✓ 140	5.100	714.00	65%	249.90	
121116	Cement Plug, Rubber, Top 9-5/8 in				ea	✓ 1	403.200	403.20	65%	141.12	
398224	Premium Lite Cement				sacks	✓ 410	27.650	11,336.50	65%	3,967.78	
488019	FP-6L				gals	✓ 5	104.250	521.25	65%	182.44	
499632	Granulated Sugar				lbs	✓ 150	3.840	576.00	65%	201.60	
499680	Static Free				lbs	✓ 41	40.700	1,668.70	65%	584.05	
499703	Type III Cement				sacks	✓ 147	31.700	4,659.90	65%	1,630.97	
SUB-TOTAL FOR Product Material								22,573.36	65.00%	7,900.69	
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00	
M100	Bulk Materials Blending Charge				cu ft	628	5.450	3,422.60	65%	1,197.91	
R798	Automatic Density System				job	1	1,990.000	1,990.00	65%	696.50	
SUB-TOTAL FOR Service Charges								5,622.60	62.57%	2,104.41	
ARRIVE LOCATION :		MO. 03	DAY 04	YEAR 2013	TIME 00:45	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. BILL FOSTER					CUSTOMER AUTHORIZED AGENT				CUSTOMER AUTHORIZED AGENT		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									BHI APPROVED		
					X				X		



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WELL NAME AND NUMBER BRINGELSON 2-32-9-58				TD WELL DEPTH (ft) 1,446		GAS USED ON JOB : No Gas					
WELL LOCATION : LEGAL DESCRIPTION 32-9N-58W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Surface					

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
F055A	Cement Pumping, 1001 - 2000 ft	4112	1	4,875.000	4,875.00	65%	1,706.25
F090	Eng <input checked="" type="checkbox"/> Fuel pump <input type="checkbox"/> Charge - <input type="checkbox"/> W/O <input type="checkbox"/> L.O.E <input type="checkbox"/> Pump/h		4	70.250	281.00	0%	281.00
J050	Cement Head	job	1	830.000	830.00	65%	290.50
J225	Data Acquisition, Cement, Standard	job	1	2,130.000	2,130.00	65%	745.50
J390	Mileage, Heavy Vehicle	miles	210	11.850	2,488.50	65%	870.98
J391	Mileage, Auto, Pick Up or Treating Van	miles	210	6.700	1,407.00	65%	492.45
SUB-TOTAL FOR Equipment					12,011.50	63.48%	4,386.68
J401	Bulk Delivery, Dry Products	ton-mi	2792	3.940	11,000.48	65%	3,850.17
SUB-TOTAL FOR Freight/Delivery Charges					11,000.48	65.00%	3,850.17
CARRIZO Signature: [Signature]					51,207.94	64.38%	18,241.95

ARRIVE LOCATION : MO. 03 DAY 04 YEAR 2013 TIME 00:45	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. [Signature] CUSTOMER AUTHORIZED AGENT	SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. [Signature] CUSTOMER AUTHORIZED AGENT BHI APPROVED X
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