

# CEMENT JOB REPORT



CUSTOMER ENSIGN UNITED STATES DRILL		DATE 06-AUG-12	F.R. # 1001927516	SERV. SUPV. JOHN R WUDARCZYK	
LEASE & WELL NAME COYLE #34OD - API 05123354890000		LOCATION 34-4N-68W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSIGN 233		TYPE OF JOB Surface	
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD
Cement Plug, Rubber, Top 8-5/8 in	Float Shoe 8-5/8 - 8rd				
	Centralizer, with Pins, 8-5/8 in				
<b>PHYSICAL SLURRY PROPERTIES</b>					
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS
Fresh Water		0	8.34	0	00:00
Fresh Water + Dye		0	8.34	0	00:00
Type III + 2% CaCl <sub>2</sub> + .25% CF		248	14.5	1.41	02:30
Fresh Water		0	8.34	0	00:00
Available Mix Water	200 Bbl.	Available Displ. Fluid	200 Bbl.	TOTAL	
				131.20	40.30
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>			<b>COLLAR DEPTHS</b>
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
12.25	25	689	8.097	8.625	24 CSG
					MD
					TVD
					GRADE
					SHOE
					FLOAT
					STAGE
					0
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>	
ID	OD	WGT.	TYPE	MD	TVD
			BRAND & TYPE	DEPTH	TOP
			NO PACKER	0	
					BTM
					SIZE
					THREAD
					TYPE
					WGT.
					8.625
					8RND
					WATER BASED
					9.3
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
38.8	BBLS	Fresh Water	8.34	205	0
					SQ. PSI
					RATED
					Operator
					MAX TBG PSI
					MAX CSG PSI
					Operator
					MIX WATER
					RIG
<b>Circulation Prior to Job</b>					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 5		
Mud Density In: 9.3 LBS/GAL			Mud Density Out: 9.3 LBS/GAL		
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: .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"/> 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: 4		
			Type: <input checked="" 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 checked="" 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>		



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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)

AFTER BATCHING UP CEMENT WITH C103 CEMENT PUMP LOST SLURRY PUMP, DID NOT PUMP ANY CEMENT AWAY, INFORMED CUSTOMER AND CLEANED UP TO PIT, RIG TOOK BACK OVER AND CIRCULATED WHILE WE GOT ANOTHER PUMP, C992 ARRIVED AND WE ONCE AGAIN RAN SPACERS AND BATCHED UP CEMENT, THIS TIME STARTED TO GO DOWNHOLE, HAD BULK FEED ISSUES FROM BULK TRUCK E491, PACKED OFF ENTIRE BULK HOSE AND BULK LINE AFTER ABOUT 30 MINUTES OF TRYING TO RESOLVE ISSUE WE CIRCULATED CEMENT OUT OF HOLE AND RIG TOOK OVER CIRCULATING WHILE ANOTHER BULK TRUCK X439 WAS SENT TO LOCATION. ONCE BULK TRUCK ARRIVED ONCE AGAIN PRESSURE TESTED, RAN SPACERS, PUMPED CEMENT, DROPPED AND BUMPED THE PLUG AS PLANNED. THIS ALL HAPPENED IN THE TIME SPAN OF 0800 TO 1800.

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 3275 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
06:52	0	0	0	0	0	ARRIVE ON LOCATION ( 30 MILES )
07:00	0	0	0	0	0	PRE RIG UP SAFETY MEETING
07:47	0	0	0	0	0	PRE JOB MEETING
08:11	2790	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES (C103)
08:15	134	0	4.8	20	H2O	FRESH WATER
08:20	143	0	4.8	10	H2O	DYE WATER
08:27	0	0	0	0	CMT	BATCH UP 20 SKS CEMENT
08:42	0	0	0	0	H2O	SHUT DOWN/ TURN OVER TO RIG TO CIRCULATE
08:42	0	0	0	0	0	COULD NOT PUMP CEMENT DUE TO LOOSING RECIRC DURING BATCH UP OF CEMENT, HAD NO SLURRY PUMP PRESSURE
09:00	0	0	0	0	0	NEW PUMP ON WAY
10:00	0	0	0	0	0	NEW PUMP ARRIVES (C992)
10:46	3335	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES
10:35	0	0	0	0	0	2ND PRE JOB MEETING
10:48	107	0	4.8	20	H2O	FRESH WATER
10:53	117	0	4.8	10	H2O	DYE WATER
11:00	100	0	3.5	10	CMT	BATCH UP AND PUMP 40 SKS SKS TYPE III+.08#/SACK STATIC FREE+2%CACL+.25#/SACK CELLO FLAKE@14.5#
11:30	0	0	0	0	H2O	SHUT DOWN AFTER 10 BBLS PUMPED, HAD BULK DELIVERY ISSUES, TRIED TO FIX ISSUES, POSSIBLE PROBLEM WITH BULK TRUCK, CIRCULATED CEMENT OUT OF HOLE
11:30	320	0	7.2	140	H2O	CIRCULATE CEMENT OUT OF HOLE
11:50	0	0	0	0	H2O	SHUT DOWN, TURN OVER TO RIG TO CIRCULATE
16:45	0	0	0	0	0	X439 BULK TRUCK ARRIVES ON LOCATION
16:54	0	0	0	0	0	3RD PRE JOB MEETING
17:08	3275	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES
17:11	127	0	4.8	20	H2O	FRESH WATER
17:16	135	0	4.8	10	H2O	DYE WATER
17:20	92	0	3.2	68	CMT	BATCH UP AND PUMP 248 SKS TYPE III+.08#/SACK STATIC FREE+2%CACL+.25#/SACK CELLO FLAKE@14.5#
17:45	0	0	0	0	H2O	DROP PLUG
17:46	208	0	6	35	H2O	START DISPLACEMENT
17:51	275	0	3	6	H2O	SLOW RATE
17:56	934	0	0	0	H2O	BUMP PLUG @ 41 BBLS

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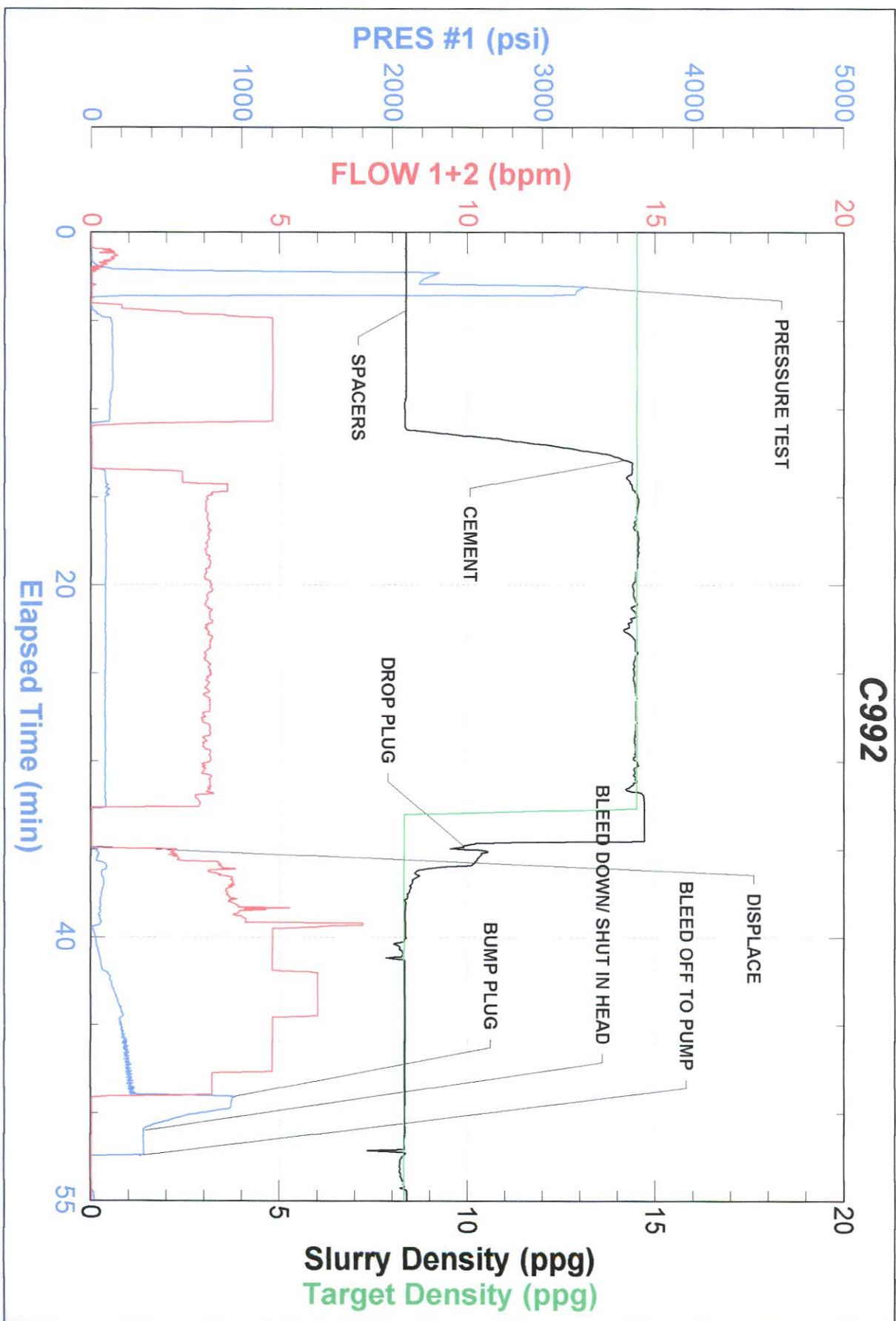
PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3275 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
17:57	342	0	0	0	H2O	BLEED DOWN TO 342 PSI	
17:59	342	0	0	0	H2O	SHUT IN HEAD	
18:00	0	0	0	0	0	BLEED OFF PRESSURE TO PUMP	
18:05	0	0	0	0	0	POST JOB RIG DOWN SAFETY MEETING	

BUMPED PLUG <input type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 934	TEST FLOAT EQUIP. <input type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 7	TOTAL BBL. PUMPED 336	PSI LEFT ON CSG 342	SPOT TOP OUT CEMENT <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Service Supervisor Signature: 
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BJ Services JobMaster Program Version 3.50  
Job Number: 1001927516  
Customer: ENSIGN  
Well Name: COYLE 340 D





FIELD RECEIPT NO. 1001927516



CUSTOMER		ENSIGN UNITED STATES DRILLING		CREDIT APPROVAL NO.	PURCHASE ORDER NO.		CUSTOMER NUMBER		INVOICE NUMBER	
MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE		
INVOICE TO :		1700 BROADWAY, STE 777 PO BOX 17805		DENVER		Colorado		80217		
DATE WORK COMPLETED	MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO:	WELL TYPE :				
	08	06	2012	JOHN R WUDARCZYK	05123354890000	New Well				
DISTRICT	BUS. BRIGHTON				JOB DEPTH (ft)	679	WELL CLASS :	Gas		
WELL NAME AND NUMBER	COYLE #340D				TD WELL DEPTH (ft)	689	GAS USED ON JOB :	No Gas		
WELL LOCATION :	LEGAL DESCRIPTION		COUNTY/PARISH		STATE	JOB TYPE CODE :				
	34-4N-68W		Weld		Colorado	Surface				

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride	lbs	✓ 467	1.290	602.43	62%	228.92
100295	Cello Flake	lbs	✓ 62	5.100	316.20	62%	120.16
488019	FP-6L	gals	✓ 2	104.250	208.50	62%	79.23
499632	Granulated Sugar	lbs	✓ 100	3.840	384.00	62%	145.92
499680	Static Free	lbs	✓ 20	40.700	814.00	62%	309.32
499703	Type III Cement	sacks	✓ 248	31.700	7,861.60	62%	2,987.41
SUB-TOTAL FOR Product Material					10,186.73	62.00%	3,870.96
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge	cu ft	263	5.450	1,433.35	62%	544.67
SUB-TOTAL FOR Service Charges					1,643.35	54.08%	754.67

ARRIVE LOCATION :	MO.	DAY	YEAR	TIME	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.
	08	06	2012	06:50		
CUSTOMER REP. CRAIG WIETZEL					X	CUSTOMER AUTHORIZED AGENT
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					X	BHI APPROVED
CUSTOMER AUTHORIZED AGENT					<i>[Signature]</i>	

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08	06	2012		JOHN R WUDARCZYK	05123354890000	New Well				
DISTRICT				JOB DEPTH (ft)		WELL CLASS :				
BUS, BRIGHTON				679		Gas				
WELL NAME AND NUMBER				TD WELL DEPTH (ft)		GAS USED ON JOB :				
COYLE #340D				689		No Gas				
WELL LOCATION :		LEGAL DESCRIPTION		COUNTRY/PARISH		STATE		JOB TYPE CODE :		
		34-4N-68W		Weld		Colorado		Surface		

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
F053A	Cement Pumping, 0 - 1000 ft	4hrs	1	3,200.000	3,200.00	62%	1,216.00
F090	Fuel per pump charge - cement	pump/hr	2	70.250	140.50	0%	140.50
J050	Cement Head	job	1	830.000	830.00	62%	315.40
J225	Data Acquisition, Cement, Standard	job	1	2,130.000	2,130.00	62%	809.40
J390	Mileage, Heavy Vehicle	miles	60	11.850	711.00	62%	270.18
J391	Mileage, Auto, Pick-Up or Treating Van	miles	60	6.700	402.00	62%	152.76
SUB-TOTAL FOR Equipment					7,413.50	60.82%	2,904.24
J401	Bulk Delivery, Dry Products	ton-mi	360	3.940	1,418.40	62%	538.99
SUB-TOTAL FOR Freight/Delivery Charges					1,418.40	62.00%	538.99
FIELD ESTIMATE					20,661.98	60.95%	8,068.86

PO# 246484

ARRIVE LOCATION : 08 06 2012 06:50

CUSTOMER REP. CRAIG WIETZEL

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

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

BH APPROVED

Signature: [Handwritten Signature]