

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML	DATE 12-MAY-13	F.R. # 1001987087	SERV. SUPV. LANCE N WEBB
LEASE & WELL NAME BRINGELSON RANCH #2-20-11-9-58 - API 0512336	LOCATION 20-9N-58W		COUNTY-PARISH-BLOCK Weld Colorado
DISTRICT Brighton	DRILLING CONTRACTOR RIG # Xtreme Coil #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	Centralizer, with Pins, 9-5/8 in						
	Float Collar, Auto Fill, 9-5/8 - 8rd						
	Guide Shoe, Texas-Notched 9-5/8 i						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES					
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY
Fresh Water + 2 lbs Red Dye	0	0	8.34	0	0	00:00	15
Type III Cmt + adds		140	14.5	1.40	6.81	02:30	35 22.72
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	105.7
Type III Neat	0	43	14.8	1.33	6.33	00:00	10 6.38
Available Mix Water <u>250</u> Bbl. Available Displ. Fluid <u>250</u> Bbl.		TOTAL				294.76 118.91	

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	0	1432	8.921	9.625	36	CSG	1412	1412	J-55	1412	1368	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.
15.	16	65	CSG	70	70	NO PACKER		0	0	0	9.625	8RD	WATER BASED MU	8.4

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	
105.7	BBLS	Fresh Water	8.34	400	0	0	0	0	3520	2816	RIG

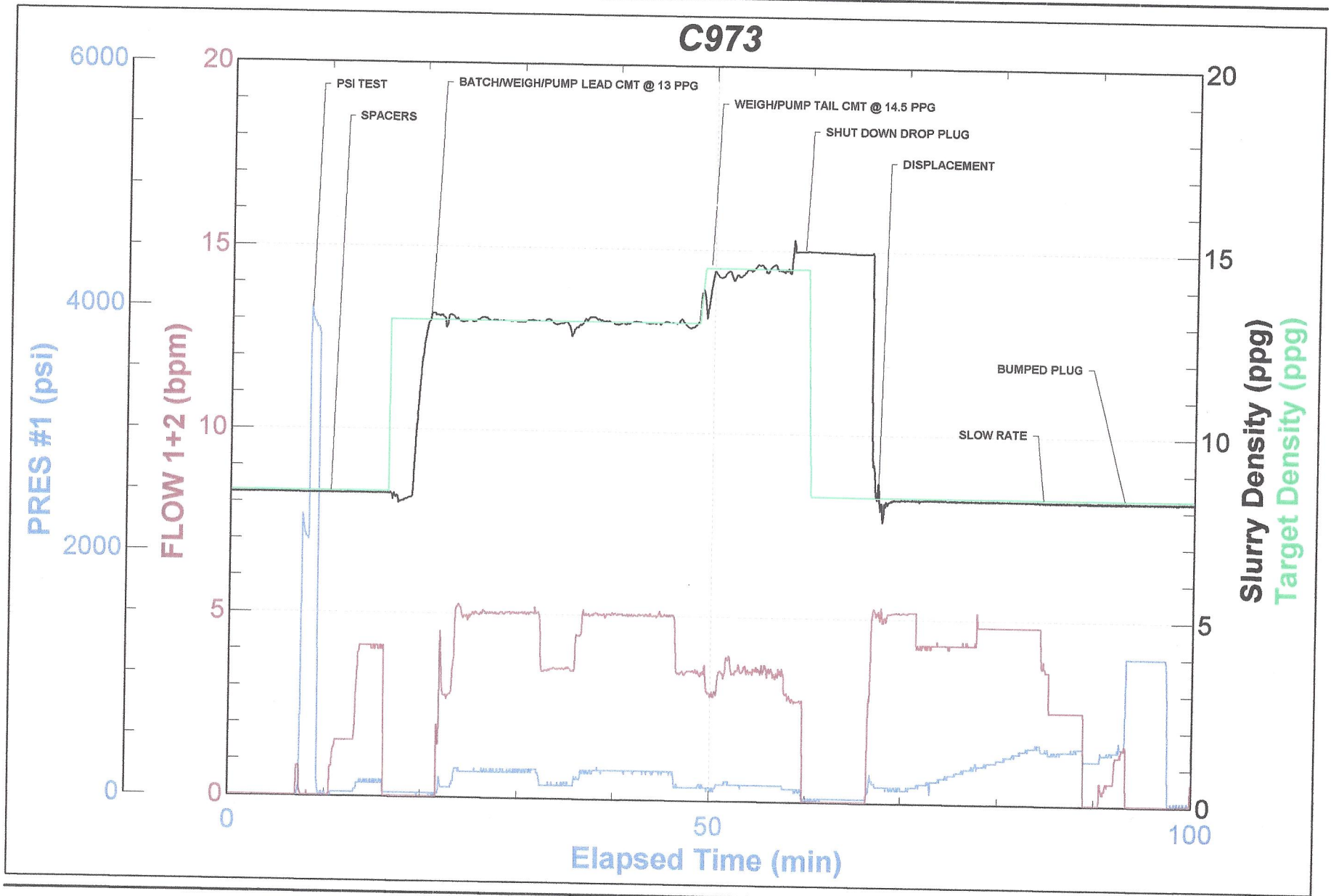
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

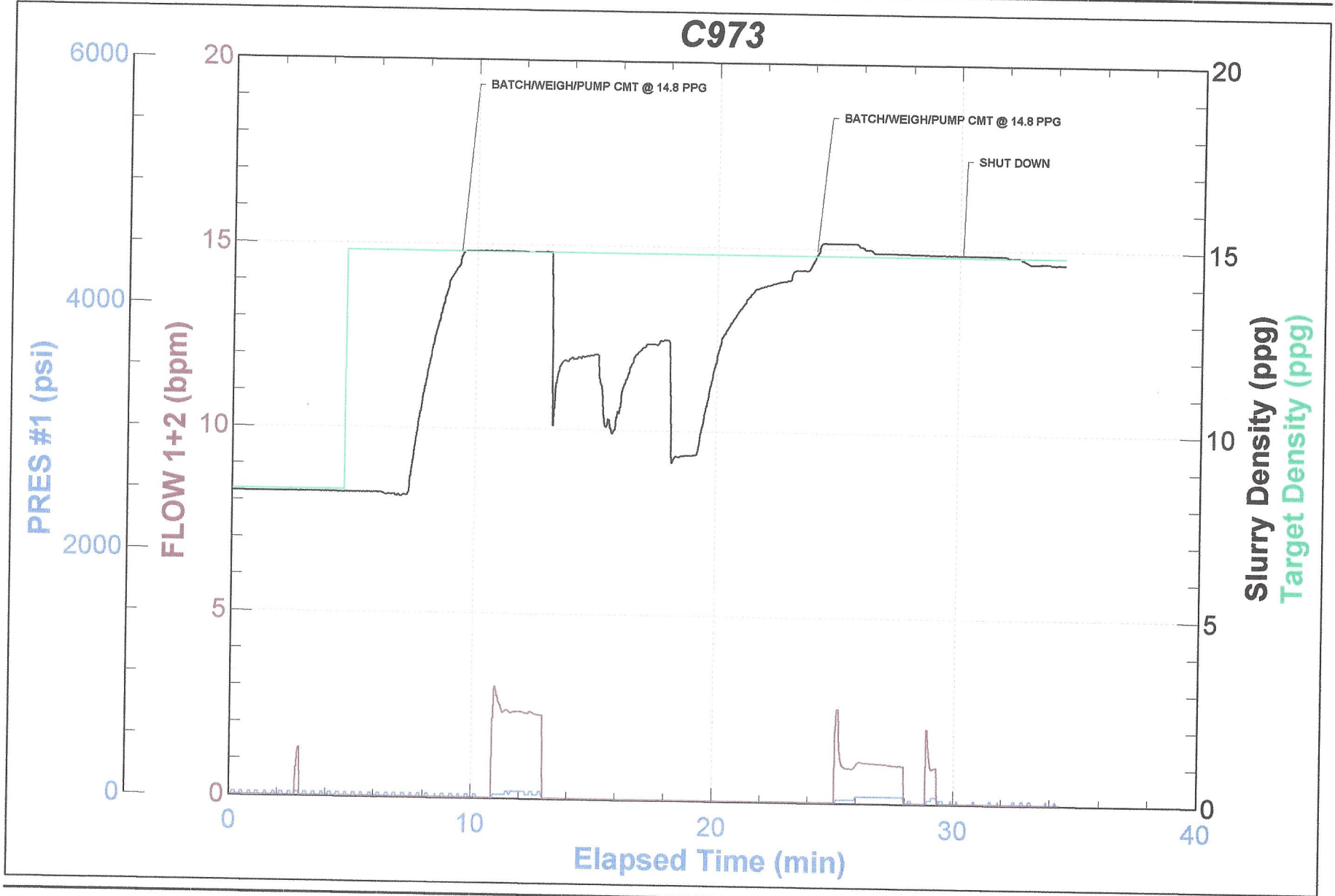
PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 3000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
03:30	0	0	0	0	NA	ARRIVED ON LOCATION RIG RUNNING CSG OL 300 HAD TO WAIT FOR CMT TO BE LOADED	
04:15	0	0	0	0	NA	SPOT TRUCKS	
05:15	0	0	0	0	NA	SAFETY MEETING	
05:57	4006	0	0	0	H2O	PSI TEST	
06:03	103	0	4	15	H2O	H2O SPACER WDYE	
06:09	2053	0	4	129	CMT	BATCH/WEIGH/PUMP LEAD CMT @ 13 PPG	
06:42	128	0	4	35	CMT	WEIGH/PUMP TAIL CMT @ 14.5 PPG	
06:52	0	0	0	0	H2O	SHUT DOWN DROP PLUG	
06:56	128	0	4	0	H2O	DISPLACEMENT	
07:07	250	0	4	40	H2O	CAUGHT CMT	
07:17	430	0	2.5	90	H2O	SLOWED RATE	
07:25	1200	0	0	106	H2O	BUMPED PLUG FINAL LIFT 485 PSI 56 BBLS CMT BACK	
07:30	0	0	0	0	H2O	WAIT 2 HOURS TO SEE IF CMT DROPPED	
09:36	52	0	1	6	H2O	BATCH/WEIGH/PUMP CMT @ 14.8 PPG TOP OUT 26 SKS	
09:55	0	0	0	0	NA	SHUT DOWN JOB COMPLETE	

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	PIPE	ANNULUS				TEST LINES 3000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
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	400	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	56	291	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	







CEMENTING LABORATORY REPORT
Lab Report #C05-046-13

COMPANY :	Carrizo Oil & Gas	DATE:	May 12, 2013
WELL NAME:	Bringelson Ranch 2-20-11-9-58	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-36068-0000	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 + 0.25 pps Cello Flake + 0.08% Static Free
#2	Tail Slurry : Type III Cement + 1% Calcium Chloride + 0.25 pps Cello Flake + 0.08% Static Free
#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.		5:31	3:22	
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. 1001987087

CUSTOMER CARRIZO OIL & GAS INC XML					CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 20015134 - 0040139823-2	INVOICE NUMBER 1868591		
MAIL INVOICE TO		STREET OR BOX NUMBER 500 DALLAS STREET, SUITE 2499			CITY Houston		STATE Texas	ZIP CODE 77063		
DATE WORK COMPLETED	MO. 05	DAY 12	YEAR 2013	BHI REPRESENTATIVE LANCE N WEBB		WELL API NO: 05123360680000	WELL TYPE : New Well			
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 1,412		WELL CLASS : Oil			
WELL NAME AND NUMBER BRINGELSON RANCH #2-20-11-9-58					TD WELL DEPTH (ft) 1,432		GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 20-9N-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	1202	1.290	1,550.58	65%	542.70
100120	Bentonite				lbs	2140	0.530	1,134.20	65%	396.97
100295	Cello Flake				lbs	138	5.100	703.80	65%	246.33
398224	Premium Lite Cement				sacks	410	27.650	11,336.50	65%	3,967.78
488019	FP-6L				gals	6	104.250	625.50	65%	218.93
499632	Granulated Sugar				lbs	100	3.840	384.00	65%	134.40
499680	Static Free				lbs	41	40.700	1,668.70	65%	584.05
499703	Type III Cement				sacks	183	31.700	5,801.10	65%	2,030.39
SUB-TOTAL FOR Product Material								23,204.38	65.00%	8,121.55
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge				cu ft	720	5.450	3,924.00	65%	1,373.40
R798	Automatic Density System				job	1	1,990.000	1,990.00	65%	696.50
SUB-TOTAL FOR Service Charges								6,124.00	62.77%	2,279.90
ARRIVE LOCATION :	MO. 05	DAY 12	YEAR 2013	TIME 03:30	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										
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					_____ CUSTOMER AUTHORIZED AGENT				<input checked="" type="checkbox"/> BHI APPROVED	



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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	65%	1,706.25	
F088	Cement Pumping, Additional hrs				hrs	1	900.000	900.00	65%	315.00	
F090	Fuel per pump charge - cement				pump/hr	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	192	11.850	2,275.20	65%	796.32	
J391	Mileage, Auto, Pick-Up or Treating Van				miles	192	6.700	1,286.40	65%	450.24	
K289	Misc Cement Pumping, Non-Pump Time				hrs	2	575.000	1,150.00	65%	402.50	
	SUB-TOTAL FOR Equipment							13,727.60	63.67%	4,987.31	
J401	Bulk Delivery, Dry Products				ton-mi	2969	3.940	11,697.86	65%	4,094.25	
J402	Bulk Delivery, Standby Charge				hrs	4	226.500	906.00	65%	317.10	
J404	Bulk Delivery, Return of Unused Mtls				ton-mi	258	3.940	1,016.52	65%	355.78	
	SUB-TOTAL FOR Freight/Delivery Charges							13,620.38	65.00%	4,767.13	
	FIELD ESTIMATE							56,676.36	64.44%	20,155.89	
ARRIVE LOCATION :	MO. 05	DAY 12	YEAR 2013	TIME 03:30	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 CUSTOMER AUTHORIZED AGENT				X		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									X		