

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 08-MAR-13		F.R. # 1001970603			SERV. SUPV. BARLEN M JOYNER						
LEASE & WELL NAME BRINGELSON #2-32-9-58 - API 05123366250000			LOCATION 32-9N-58W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Xtreme Coil #19			TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
Cement Plug, Rubber, Top 7 in		Float Collar, Al Flap, 7 - 8rd			NONE		0	0	NONE		0	0		
		Centralizer, with Pins, 7 in												
		Float Shoe 7 - 8rd												
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				0				9.5	0	0	00:00	0		
Fresh Water				0				8.33	0	0	00:00	10		
SealBond				0				8.4	0	0	00:00	40		
Premium Lite Cement + adds				0				343	12.5	1.94	10.65	03:45	118.62	86.94
50/50 (Poz/Class G) + adds				0				150	13.5	1.71	8.30	03:00	45.76	29.65
Drilling Mud				0				9.5	0	0	00:00	228.2		
Available Mix Water 500		Bbl.		Available Displ. Fluid 300		Bbl.		TOTAL		442.58		116.59		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	0	5940	6.366	7	23	CSG	5892	5740	P-110	5892	5797	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	1446	1446	NO LINER		0	0	0	7	8RD	WATER BASED	9.6
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			
228.2	BBLS	Drilling Mud		9.5	983	0	0	0	0	3890	3000	RIG TANK		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 5 BPM					
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL						PV & YP Mud In: 45			PV & YP Mud Out: 45					
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: 1.5 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: 45			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: 1564 PSI						With 9.6 LBS/GAL Mud			Time Held: 00 Hours 30 Minutes					

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)
 JUST STARTED RUNNING CASING WHEN CEMENT CREW SHOWED UP ONTO LOCATION. HAD ISSUES PUTTING THE LANDING JOINT DOWN, HAD TO TAKE A JOINT OFF.

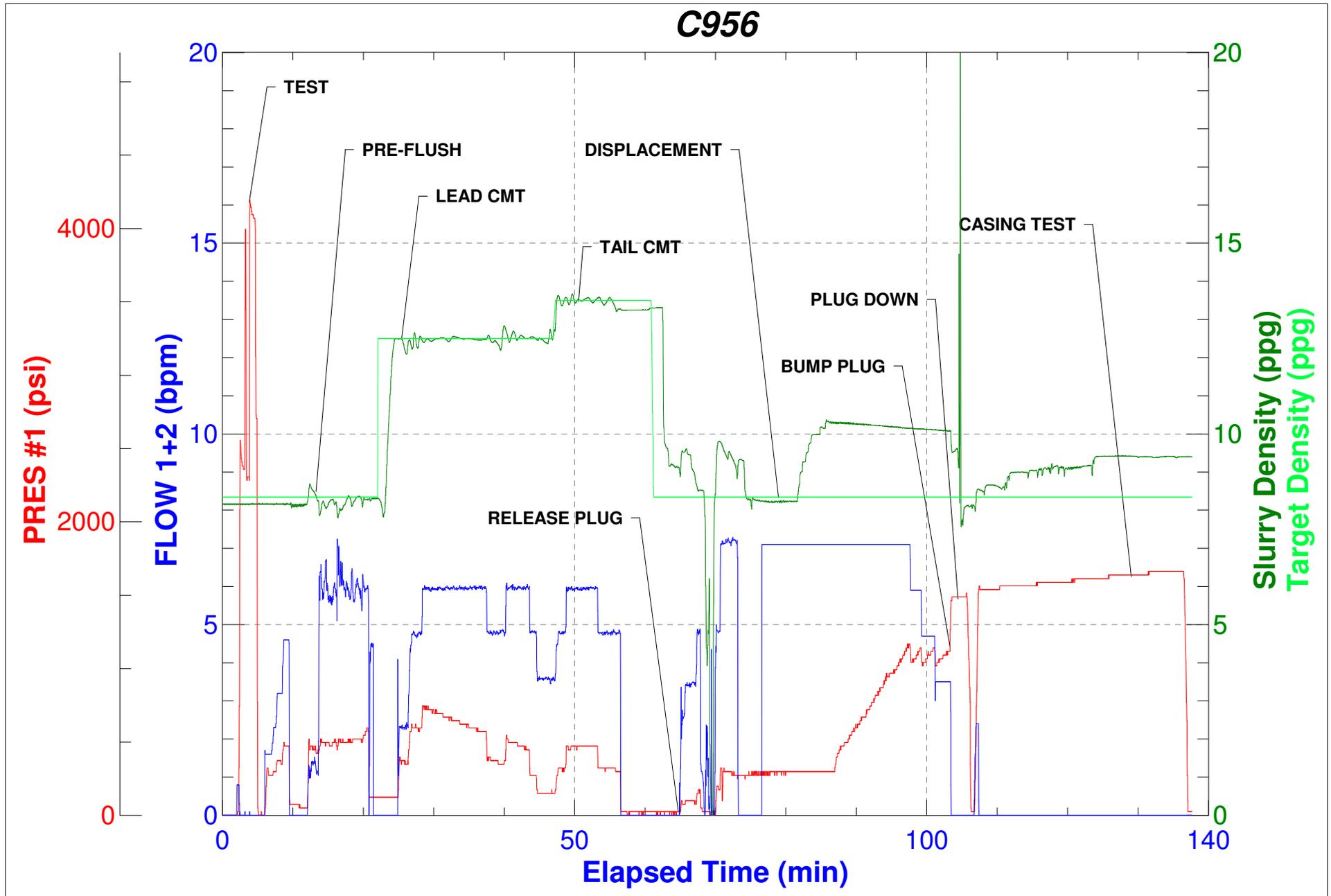
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NONE

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: JUST STARTED TO RUN CASING WHEN CEMENT CREW ARRIVED OI ISSUES PUTTING LANDING JOINT DOWN, HAD TO TAKE A JOINT OFF.

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	4169 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
20:30	0	0	0	0	NA	YARD CALL	
00:30	0	0	0	0	NA	ARRIVED ON LOCATION (103 MILES) RIG JUST STARTED RUNNING CASING	
06:55	0	0	0	0	NA	SPOT TRUCKS	
07:09	0	0	0	0	NA	PRE RIGUP SAFETY MEETING	
07:30	0	0	0	0	N/A	HAVING ISSUES LANDING CASING	
10:30	0	0	0	0	N/A	CASING LANDED AFTER REMOVING A JOINT AND CIRCULATING RIG FOR 2 HOURS PRIOR TO CEMENTING	
12:00	0	0	0	0	NA	SAFETY MEETING	
12:50	4169	0	0	0	WATER	PRESSURE TEST	
12:52	472	0	5	10	WATER	FRESH WATER SPACER	
12:58	521	0	6.2	40	WATER	SEALBOND SPACER	
13:09	497	0	6.1	116	CMT	BATCH UP, WEIGH AND PUMP 343 SX OF PLC + 0.25% CELLO FLAKE + 0.4% FL-52 + 0.6% BENTONITE @ 12.5PPG	
13:34	447	0	6	44	CMT	BATCH UP, WEIGH AND PUMP 150 SX OF POZ/G + 0.4% FL-52 + 0.3% BENTONITE + 0.1% SMS + 20% S-8 @ 13.5PPG	
13:43	0	0	0	0	NA	RELEASE PLUG	
13:52	298	0	7.2	200	MUD	START DISPLACEMENT	
14:23	1042	0	6	10	MUD	DROP RATE	
14:25	1018	0	4.8	10	MUD	DROP RATE	
14:28	1042	0	3.6	8	MUD	DROP RATE	
14:31	1167	0	3.6	228	MUD	BUMP PLUG	
14:31	1489	0	0	0	NA	PLUG DOWN @ 228 BBLs	
14:34	1564	0	0	0	MUD	START CASING TEST	
15:04	1663	0	0	0	NA	END CASING TEST	
15:05	0	0	0	0	NA	PRE RIG DOWN SAFETY MEETING	
16:00	0	0	0	0	NA	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	1167	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	438	0	Y <input checked="" type="checkbox"/> N	





CEMENTING LABORATORY REPORT
Lab Report #C03-029-13

COMPANY :	Carrizo Oil & Gas	DATE:	March 7, 2013
WELL NAME:	Bringelson 2-32-9-58	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Intermediate
API #	05-123-36625-0000	TOC(md):	
DEPTH MD(ft):	5,903 ft	BHST(°F):	195 °F
CASING SIZE("):	7 in	BHCT(°F):	126 °F
TUBING SIZE("):		BHSqT(°F):	164 °F
HOLE SIZE("):	8 3/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentonite + 0.4% FL-52 + 0.25 pps Cello Flake
#2	Tail Slurry: Class G Cement: FA (50:50) + 20% Silica Flour + 3% Bentonite + 0.4% FL-52 + 0.1% SMS
#3	

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		12.50	13.50	
Yield :cu.ft./sk.		1.94	1.71	
Mixing Water: gal/sk.		10.65	8.30	
Water Type:		Fresh	Fresh	
Testing Temperature :		126 °F	132 °F	
Thickening Time: hrs:mins.		8:23	4:26	
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. 1001970603

CUSTOMER CARRIZO OIL & GAS INC XML				CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 20015134 - 0040139823-2	INVOICE NUMBER 1859956		
MAIL INVOICE TO 500 DALLAS STREET, SUITE 2499		STREET OR BOX NUMBER		CITY Houston		STATE Texas	ZIP CODE 77063		
DATE WORK COMPLETED 03/08/2013	MO. 03	DAY 08	YEAR 2013	BHI REPRESENTATIVE BARLEN M JOYNER	WELL API NO: 05123366250000	WELL TYPE : New Well			
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 5,892		WELL CLASS : Oil			
WELL NAME AND NUMBER BRINGELSON #2-32-9-58				TD WELL DEPTH (ft) 5,940		GAS USED ON JOB : No Gas			
WELL LOCATION : 32-9N-58W		LEGAL DESCRIPTION		COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Intermediate			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement			sacks	75	31.800	2,385.00	65%	834.75
100112	Calcium Chloride			lbs	300	1.290	387.00	100%	0.00
100120	Bentonite			lbs	2169	0.530	1,149.57	65%	402.35
100121	Silica Flour			lbs	2520	0.590	1,486.80	65%	520.38
100275	Sodium Metasilicate			lbs	13	4.100	53.30	65%	18.66
100295	Cello Flake			lbs	75	5.100	382.50	65%	133.88
100317	Poz (Fly Ash)			sacks	75	14.200	1,065.00	65%	372.75
100404	Sodium Chloride			lbs	150	0.520	78.00	100%	0.00
121113	Cement Plug, Rubber, Top 7 in			ea	1	243.600	243.60	65%	85.26
398224	Premium Lite Cement			sacks	343	27.650	9,483.95	65%	3,319.38
398416	SealBond Spacer (w/ 30lb pail)			bbbls	40	277.200	11,088.00	65%	3,880.80
488015	FL-52			lbs	171	26.900	4,599.90	65%	1,609.97
488019	FP-6L			gals	7	104.250	729.75	65%	255.41
488252	Magnacide 575			gals	1	307.000	307.00	65%	107.45
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
ARRIVE LOCATION :	MO. 03	DAY 09	YEAR 2013	TIME 00:30	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	



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WELL LOCATION :		LEGAL DESCRIPTION 32-9N-58W			COUNTY/PARISH Weld		STATE Colorado	JOB TYPE CODE : Intermediate		
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
	SUB-TOTAL FOR Product Material							36,661.37	65.44%	12,668.74
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge				cu ft	624	5.450	3,400.80	65%	1,190.28
R798	Automatic Density System				job	1	1,990.000	1,990.00	65%	696.50
	SUB-TOTAL FOR Service Charges							5,600.80	62.56%	2,096.78
F063A	Cement Pumping, 5001 - 6000 ft				6hrs	1	7,325.000	7,325.00	65%	2,563.75
F088	Cement Pumping, Additional hrs				hrs	7	900.000	6,300.00	65%	2,205.00
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
J390	Mileage, Heavy Vehicle				miles	206	11.850	2,441.10	65%	854.39
J391	Mileage, Auto, Pick-Up or Treating Van				miles	206	6.700	1,380.20	65%	483.07
	SUB-TOTAL FOR Equipment							18,557.30	64.02%	6,677.71
ARRIVE LOCATION :	MO. 03	DAY 09	YEAR 2013	TIME 00:30	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.	
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SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									CUSTOMER AUTHORIZED AGENT	



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JOB TYPE CODE :										
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
J401	Bulk Delivery, Dry Products				ton-mi	2530	3.940	9,968.20	65%	3,488.87
	SUB-TOTAL FOR Freight/Delivery Charges							9,968.20	65%	3,488.87
	FIELD ESTIMATE							70,787.67	64.78%	24,932.10
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