

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 16-DEC-14		F.R. # 10011126100		SERV. SUPV. Zachary Fagg							
LEASE & WELL NAME TIMBRO RANCH 2-3-9-59 - API 05123404540000			LOCATION 3-9N-59W			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		Cement Basket, Slip On, 9-5/8 in		NONE		0	0	NONE		0	0			
		Centralizer, with Fins, 9-5/8 in												
		Float Collar, AI Flap, 9-5/8 - 8rd												
		Float Shoe 9-5/8 - 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		
Fresh Water + 2 lbs Red Dye						0	8.34	0	0	00:00	15			
Type III Cmt + adds				C12-064-14		146	14.5	1.41	6.82	01:43	37	23.97		
Premium Lite Cmt + adds				C12-064-14		524	13	1.81	9.46	02:39	169.30	118.02		
Fresh Water						0	8.34	0	0	00:00	137.2			
Available Mix Water 500 Bbl.				Available Displ. Fluid 500 Bbl.				TOTAL		358.50		141.99		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	100	1800	8.921	9.625	36	CSG	1817	1817	P-110	1817	1773.51	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	0	9.625	8 RND	FRESH WATER	8.5
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				
137.2	BBLS	Fresh Water	8.34	1324	0	0	0	0	2816	1518	RIG			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 4			Circulation Rate: 4 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"/>								
Displacement And Mud Removal														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 2 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: 17			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: 1518 PSI						With 8.5 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

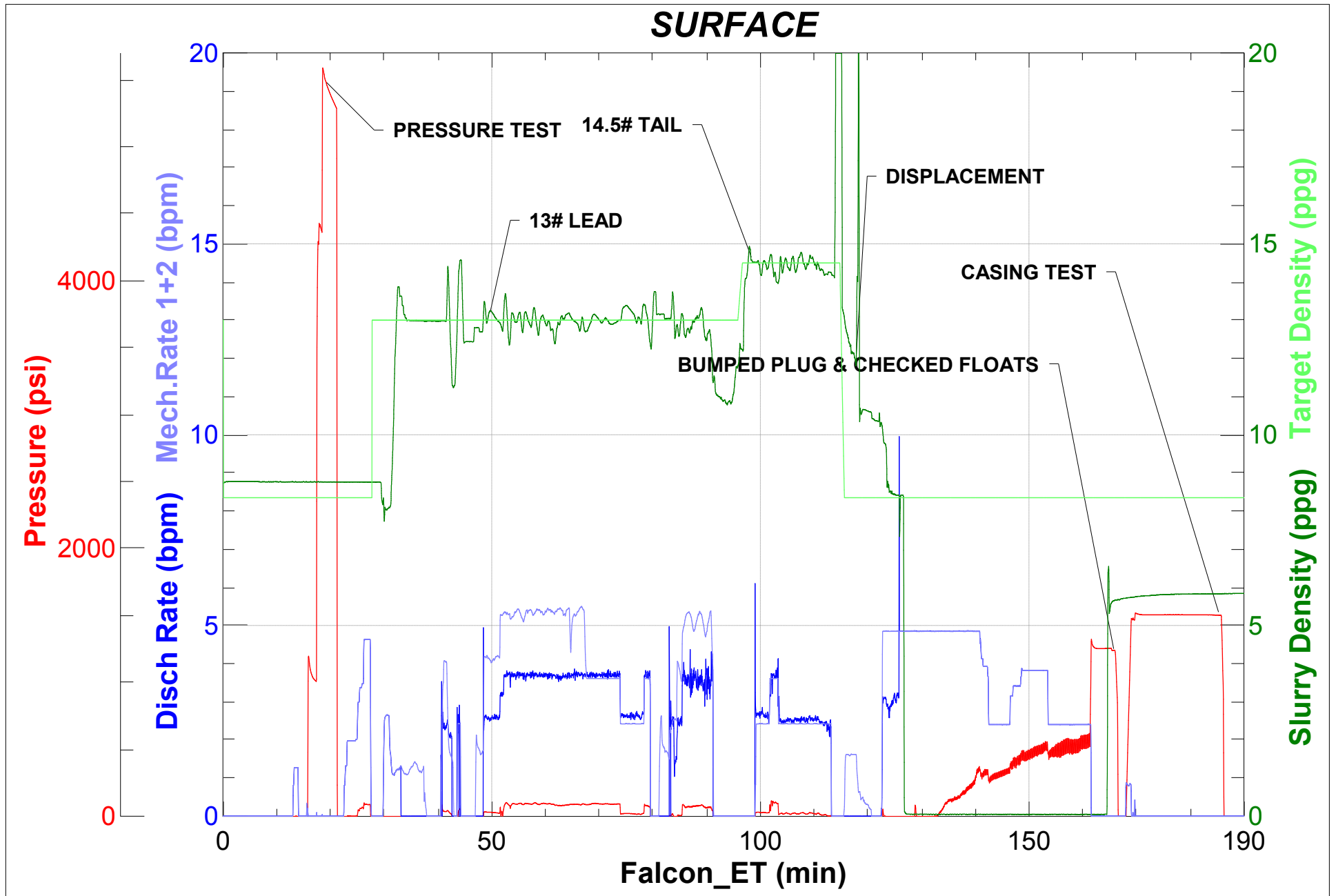
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NONE

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 5519 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
14:10	0	0	0	0	N/A	LEFT DISTRICT
16:40	0	0	0	0	N/A	ARRIVE ON LOCATION
04:13	0	0	0	0	N/A	SPOT TRUCKS
04:35	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING AND RIG UP
05:55	0	0	0	0	N/A	SAFETY MEETING
07:00	0	0	1.2	1	H2O	LOAD LINES
07:03	1129	0	0	0	H2O	LOW PRESSURE TEST
07:05	5519	0	0	0	H2O	HIGH PRESSURE TEST
07:11	160	0	5.6	15	H2O	PRE FLUSH WITH DYE
07:20	150	0	3.6	169	CMT	BATCH, WEIGH AND PUMP 13# LEAD SLURRY
08:23	55	0	2.6	38	CMT	14.5# TAIL SLURRY
08:47	0	0	0	0	N/A	RELEASE PLUG
08:50	311	0	4.8	120	H2O	DISPLACEMENT
09:22	562	0	2.4	17	H2O	SLOW RATE
09:30	1324	0	0	0	H2O	BUMPED PLUG
09:34	0	0	0	0	H2O	CHECKED FLOATS
09:38	1518	0	0	0	H2O	CASING TEST (1500/15MIN)
09:53	0	0	0	0	N/A	SHUT DOWN
09:58	0	0	0	0	N/A	RIG DOWN SAFETY 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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1324	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	63	359	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



SURFACE





CEMENTING LABORATORY REPORT

Lab Report #C12-064-14

COMPANY :	Carrizo Oil & Gas INC.	DATE:	December 17, 2014
WELL NAME:	Timbro Ranch 2-3-9-59	LOCATION:	Brighton
DISTRICT:	Brighton	TYPE JOB:	9-5/8" Surface Casing (Field
API #	05-123-40454-0000	TOC(md):	
DEPTH MD(ft):	1,800 ft	BHST(°F):	116 °F
CASING SIZE("):	9 5/8 in	BHCT(°F):	89 °F
TUBING SIZE("):		BHSqT(°F):	98 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement +6% Bentonite II + 3% Calcium Chloride + 3% Sodium Chloride + 0.25 pps Cello Flake + 0.5 gals/100 sack FP-6L + 0.04% Static Free	
#2	Tail Slurry: Type III Cement + 0.25 pps Cello Flake + 1.5% Calcium Chloride + 0.5 gals/100 sack FP-6L + 0.04 pps Static Free	0.5
#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 :			89 °F	89 °F	
Thickening Time: hrs:mins.			2:39	1:43	
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. 10011126100

CUSTOMER CARRIZO OIL & GAS INC XML					CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040003338 - 0040139823-1		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER 500 DALLAS STREET, SUITE 2499					CITY Houston		STATE Texas		ZIP CODE 77063			
DATE WORK COMPLETED MO. 12 DAY 18 YEAR 2014					BHI REPRESENTATIVE Zachary Fagg		WELL API NO: 05123404540000		WELL TYPE : New Well			
DISTRICT PP, BRIGHTON					JOB DEPTH (ft) 1,817		WELL CLASS : Oil					
WELL NAME AND NUMBER TIMBRO RANCH 2-3-9-59					TD WELL DEPTH (ft) 1,840		GAS USED ON JOB : No Gas					
WELL LOCATION : 3-9N-59W					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	1874	1.290	2,417.46	70%	725.24	
100295	Cello Flake					lbs	169	5.100	861.90	70%	258.57	
100404	Sodium Chloride					lbs	1341	0.520	697.32	70%	209.20	
398224	Premium Lite Cement					sacks	524	27.650	14,488.60	70%	4,346.58	
488019	FP-6L					gals	4	104.250	417.00	70%	125.10	
488449	Bentonite II					lbs	2736	0.440	1,203.84	70%	361.15	
499632	Granulated Sugar					lbs	100	3.840	384.00	70%	115.20	
499680	Static Free					lbs	25	40.700	1,017.50	70%	305.25	
499703	Type III Cement					sacks	146	31.700	4,628.20	70%	1,388.46	
	SUB-TOTAL FOR Product Material								26,115.82	70.00%	7,834.75	
A152	Personnel Per Diem Chrg - Cement Svc					ea	1	210.000	210.00	0%	210.00	
M100	Bulk Materials Blending Charge					cu ft	890	5.450	4,850.50	70%	1,455.15	
R798	Automatic Density System					job	1	1,990.000	1,990.00	70%	597.00	
	SUB-TOTAL FOR Service Charges								7,050.50	67.92%	2,262.15	
ARRIVE LOCATION :		MO. 12	DAY 17	YEAR 2014	TIME 16:04	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 MCNEECE						CUSTOMER AUTHORIZED AGENT CUSTOMER AUTHORIZED AGENT				X		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS										BHI APPROVED X		



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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	
F088	Cement Pumping, Additional hrs					hrs	15	900.000	13,500.00	0%	13,500.00	
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	222	11.850	2,630.70	70%	789.21	
J391	Mileage, Auto, Pick-Up or Treating Van					miles	222	6.700	1,487.40	70%	446.22	
	SUB-TOTAL FOR Equipment								25,874.60	32.34%	17,507.43	
J401	Bulk Delivery, Dry Products					ton-mi	4160	3.940	16,390.40	70%	4,917.12	
J402	Bulk Delivery, Standby Charge					hrs	2	226.500	453.00	70%	135.90	
J404	Bulk Delivery, Return of Unused Mtls					ton-mi	522	3.940	2,056.68	70%	617.00	
	SUB-TOTAL FOR Freight/Delivery Charges								18,900.08	70.00%	5,670.02	
	FIELD ESTIMATE								77,941.00	57.31%	33,274.35	
ARRIVE LOCATION : 12 17 2014 16:04		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 MCNEECE		CUSTOMER AUTHORIZED AGENT CUSTOMER AUTHORIZED AGENT						X				
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS								X				