



5.5" Production

Cement Post Job Report

Prepared For: Mr. James Jackson
Prepared Date: 7/7/2017
Job Date: 7/6/2017

Ward Petroleum

Ritchey 26-1-20HN

Weld County, Colorado

Prepared By: Matt Spirek
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Email: matt.spirek@otexpumping.com



Job Summary

Ticket Number		Ticket Date	
TN#	FL1996	7/6/2017	
COUNTY	COMPANY	API Number	
Weld	Ward Petroleum	05-123-44747	
WELL NAME	RIG	JOB TYPE	
Ritchey 26-1-20HN	Precision 460	Production	
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP	
NWNW S26 - T1N - R66W	Hall, Andy	Ray Hoffman	
EMPLOYEES			
Forsyth, Scott			
Davila, Isreal			
Phillips, James			
WELL PROFILE			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F): 240	
Bottom Hole Circulating Temperature (°F):		Well Type: Oil	

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	8.5	0	12395		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	9.625	36	J-55	0	1496		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	5.5	20	P-110	0	12395		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1:	From Depth (ft):	0	To Depth (ft):	5570
Type: Lead	Volume (sacks):	755	Volume (bbls):	263
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% 50:50:0(POZ:Type III:GEL)+0.3% ASM-3+2% FWC-2+0.5% FL-17+0.2% MCR-4+0.25#/sx Cello Flake+0.01-GPS CF-41L		12	1.96	10.81
Stage 2:	From Depth (ft):	5570	To Depth (ft):	12346
Type: Tail	Volume (sacks):	800	Volume (bbls):	257
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% 35:65:0(POZ:G:GEL)+25% Silica Flour+0.3% ASM-3+0.7% FL-17+0.2% C-49+0.15% MCR-4+0.25#/sx Cello Flake		13.5	1.80	8.78

SUMMARY

Preflushes:	30 bbls of	SAPP	Calculated Displacement (bbl):	Stage 1	Stage 2
	30 bbls of	Weighted Spacer	Actual Displacement (bbl):	275.16	
	bbls of			275	
Total Preflush/Spacer Volume (bbl):	60	Plug Bump (Y/N):	Y	Bump Pressure (psi):	2700
Total Slurry Volume (bbl):	520	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	855				
Returns to Surface:	Cement	20	bbls		
Job Notes (fluids pumped / procedures / tools / etc.):					

Thank You For Using

O - TEX Pumping

Customer Representative Signature: _____

[illegible]

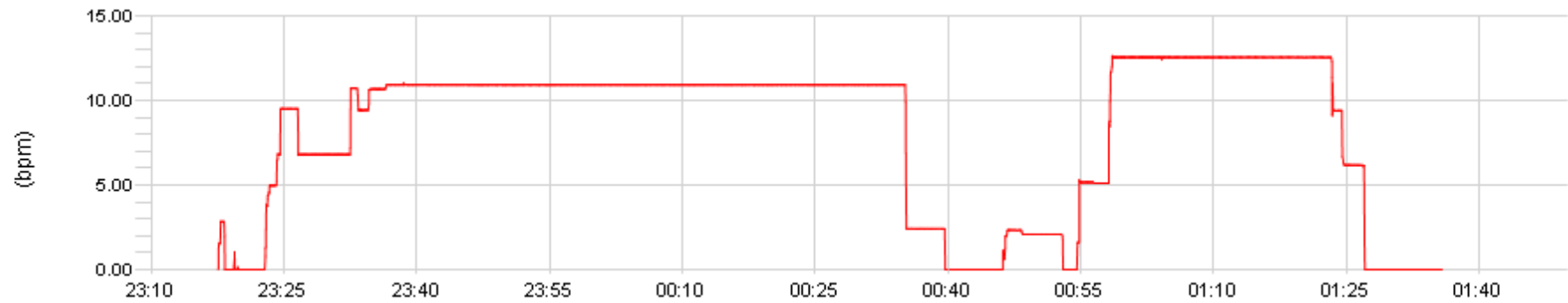
OTEX PUMPING,LLC

Client Ward Petroleum
Ticket No. 1996
Location NWNW Sec26-T1N:R66W
Comments

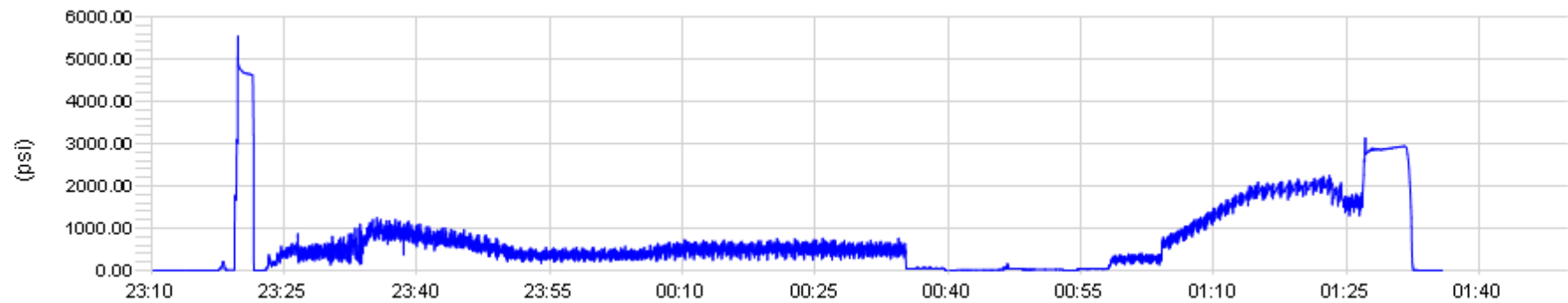
Client Rep Ray Hoffman
Well Name Ritchy 2626-1-20HC
Job Type Production Casing

Supervisor Andy Hall
Unit No. 445052
Service District Brighton
Job Date 07/06/2017

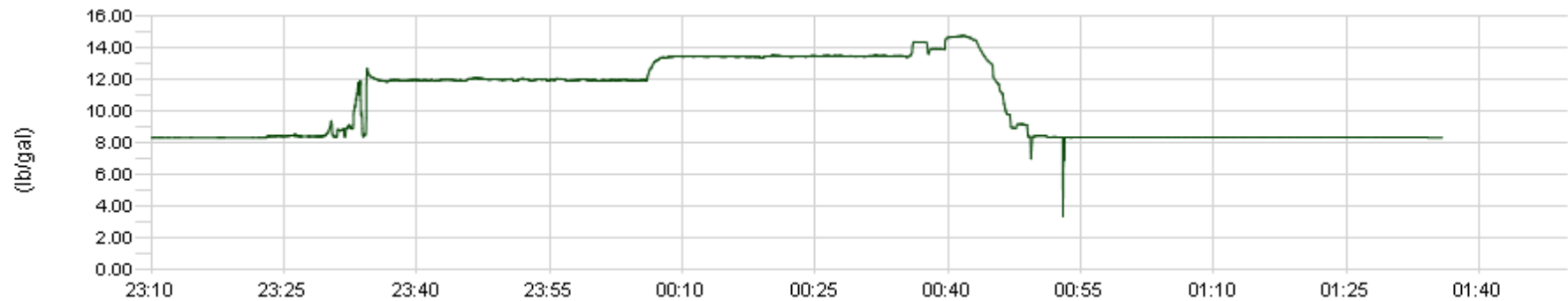
Unit 445052 Rate Total



Unit 445052 Pump
Pressure



Unit 445052 Density

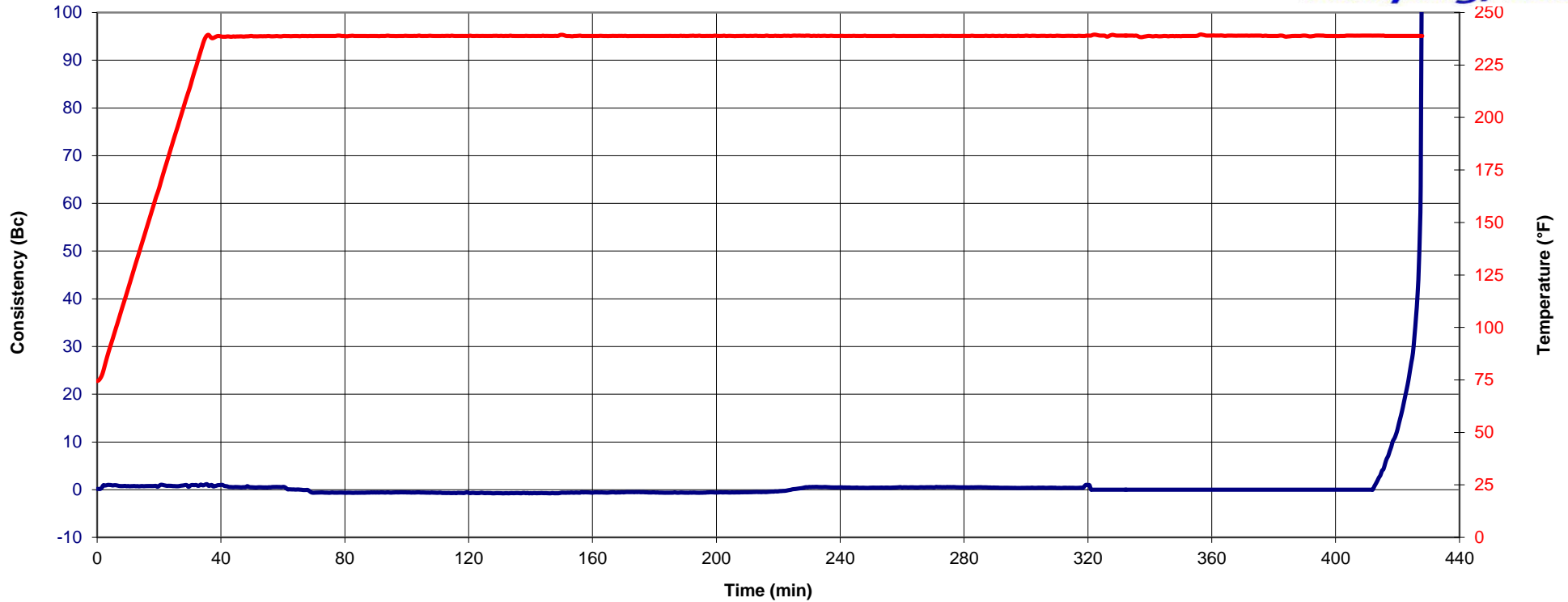


Thickening Time

Ward Petroleum

Ritchey 26-1-20HN

O-Tex
Pumping, LLC



BASE BLEND: 1-1-0 'III'

0.3% ASM-3

2% FWC-2

0.5% FL-17

0.2% MCR-4

BHCT: 240 °F

SCHEDULE: Production Casing Lead

INSTRUMENT #: 183

TEST DATE: 7/4/2017

WATER SOURCE: Lab Water C

CEMENT SOURCE: Field Blend

Cement: *Dacotah III*

Fly Ash: *Boral*

Working Time _{40Bc}: 7:06 Hr:Min.

Thickening Time _{70Bc}: 7:08 Hr:Min.

Thickening Time _{100 Bc}: 7:08 Hr:Min.

Density: 12.00 lbs/gal

Yield: 1.95 ft³/sack

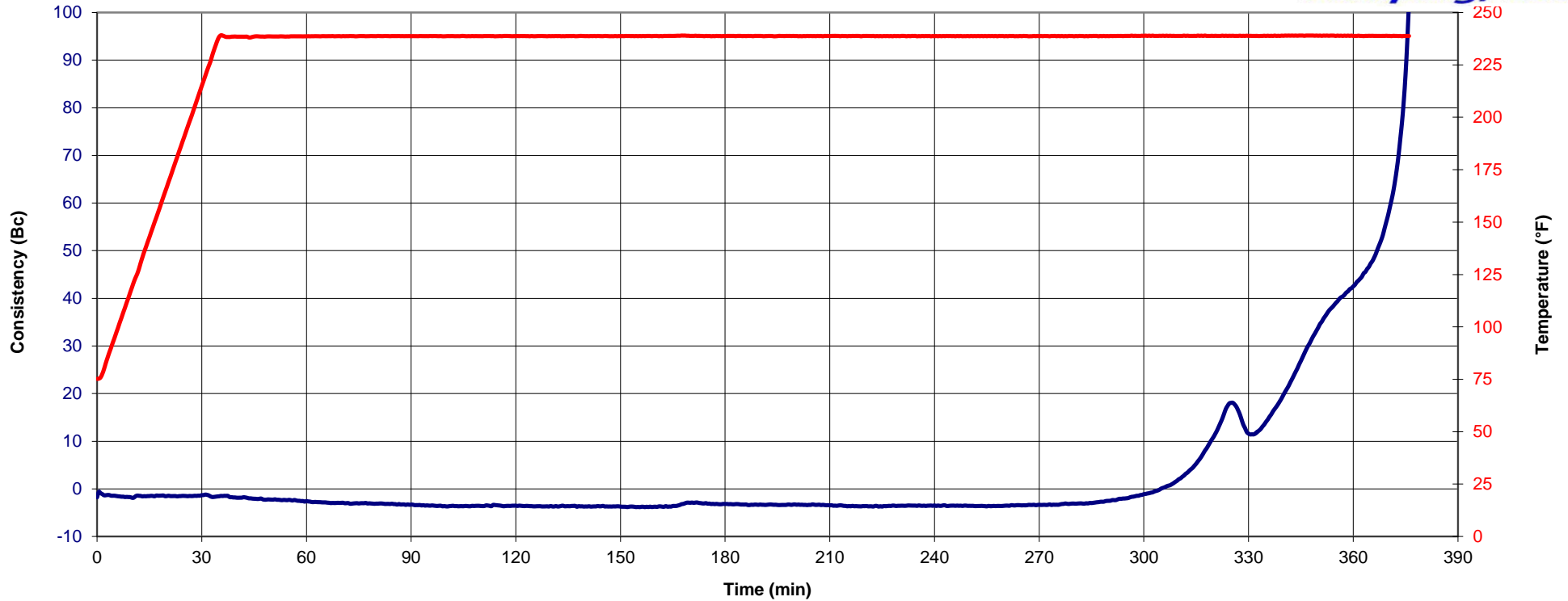
Water Requirement: 10.74 gal/sack

Thickening Time

Ward Petroleum

Ritchey 26-1-20HN

O-Tex
Pumping, LLC



BASE BLEND: 1-2-0 'G'

0.3% ASM-3
25% Flour
0.7% FL-17
0.15% MCR-4
0.2% SPC-II

BHCT: 240 °F

SCHEDULE: Production Casing Tail

INSTRUMENT #: 189

TEST DATE: 7/4/2017

WATER SOURCE: Lab Water C

CEMENT SOURCE: Field Blend

Cement: *Dacotah GK6*

Fly Ash: *Boral*

Working Time _{40Bc}: 5:56 Hr:Min.

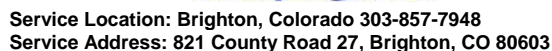
Thickening Time _{70Bc}: 6:13 Hr:Min.

Thickening Time _{100 Bc}: 6:16 Hr:Min.

Density: 13.50 lbs/gal

Yield: 1.81 ft³/sack

Water Requirement: 8.83 gal/sack



TN #	FL1996
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Service Date:	7/6/2017	Well Name:	Ritchey 26-1-20HN	Job Type:	Production
Customer:	Ward Petroleum				
Address:	P.O. Box 1187	County:	Weld	Service Supervisor:	Hall, Andy
City:	Enid	State:	Colorado		
St:	OK 73702	API #	05-123-44747		
Customer Rep:	Ray Hoffman	AFE #		Pump #1	445052
				Pump #2	445047

REF #	Description	unit of measure	unit price	quan	gross	disc	net
CSB010	50/50 Poz w/Premium Plus Type III (0% Gel)	SACK	\$ 33.00	755	\$24,915.00	74%	\$6,477.90
CSB012	O-Tex Lite w/Ultra Premium (0% Gel)	SACK	\$ 34.15	800	\$27,320.00	74%	\$7,103.20
CPC16	C-49	LBS	\$ 30.00	138	\$4,140.00	74%	\$1,076.40
CP010	Cello Flake	LBS	\$ 4.20	389	\$1,633.80	74%	\$424.79
CPC29	FL-17 Fluid Loss Additive	LBS	\$ 40.00	794	\$31,760.00	74%	\$8,257.60
CP015	Silica Flour	LBS	\$ 0.48	17,190	\$8,251.20	59%	\$3,382.99
113125	MCR-4 (CR-4, TDH, LDP-C-146)	LBS	\$ 37.45	229	\$8,576.05	74%	\$2,229.77
113414	ASM-3	LBS	\$ 19.00	394	\$7,486.00	74%	\$1,946.36
113140	FWC-2	LBS	\$ 4.45	1,246	\$5,544.70	74%	\$1,441.62
CP009	CF-41 (Foam Preventer)	GAL	\$ 86.06	8	\$688.48	74%	\$179.00
113195	MudFlush	GAL	\$ 2.05	1,260	\$2,583.00	74%	\$671.58
CPC18	Plexaid 803	GAL	\$ 60.98	6	\$365.88	74%	\$95.13
113203	WG-1L	GAL	\$ 154.00	25	\$3,850.00	74%	\$1,001.00
113186	WWS-2L	GAL	\$ 102.00	35	\$3,570.00	74%	\$928.20
CPC45	C-65 (Weighted Spacer Mix OBM)	LBS	\$ 12.85	50	\$642.50	74%	\$167.05
CC012	Pump Charge 12,001-14,000'	8-HRS	\$ 16,955.73	1	\$16,955.73	74%	\$4,408.49
JM001	Data Acquisition System	JOB	\$ 1,437.48	1	\$1,437.48	74%	\$373.74
AE004	Portable Field Storage Bin (3 days)	JOB	\$ 1,960.20	3	\$5,880.60	0%	\$5,880.60
AE014	Environmental Fee*	JOB	\$ 228.69	1	\$228.69	74%	\$59.46
ML001	Pickup Mileage	UNTMIL	\$ 4.26	15	\$63.90	74%	\$16.61
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	\$ 7.32	15	\$109.80	74%	\$28.55
ML003	Bulk Cement Delivery/Return	MILE	\$ 2.95	1,137	\$3,354.15	74%	\$872.08
MX001	Bulk Material Mixing Service Charge	SCF	\$ 3.27	1,896	\$6,199.92	74%	\$1,611.98
CK029	Centek 5 1/2 x 8 1/2" Std Centralizer	EACH	\$ 398.55	62	\$24,710.10	65%	\$8,648.54
CL007	5 1/2" Top Rubber Plug	EACH	\$ 128.74	1	\$128.74	0%	\$128.74
					\$0.00		\$0.00
					\$0.00		\$0.00
					\$0.00		\$0.00
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					\$0.00		\$0.00
					\$0.00		\$0.00
					\$0.00		\$0.00
					\$0.00		\$0.00
					\$190,395.72		\$57,411.39

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____