



7303 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
12/19/2014	0000018806

Phone # (580) 255-3111

Bill To
Tapstone Harper Office PO Box 1608 Oklahoma City, OK 79101

Description of Work
HARPER, COUNTY KS AFE 14025 API 15-077-22115-00-00
Job Type: Intermediate

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK4582	Net 30	12/6/2014	1/18/2015	AFE 14025	RALPH 36-34-9 SWD

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount
ML001	Pickup Mileage	UNTMIL	100	4.26	426.00	60.00%	-255.60	170.40
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	100	7.32	732.00	60.00%	-439.20	292.80
ML003	Bulk Cement Delivery/Return	MILE	1,854	2.95	5,469.30	60.00%	-3,281.58	2,187.72
MX001	Bulk Material Mixing Service Charge	SCF	438	3.27	1,432.26	60.00%	-859.36	572.90
CC006	Pump Charge 5001-6000'	4-HRS	1	4,671.81	4,671.81	60.00%	-2,803.09	1,868.72
CC015	Pump Charge Additional Hours	UNTHRS	3	588.06	1,764.18	35.00%	-617.46	1,146.72
AE012	Bulk Unit Additional Hours	UNTHRS	3	130.68	392.04	35.00%	-137.21	254.83
ML014	Fuel Surcharge *	JOB	1	653.40	653.40	100.00%	-653.40	0.00
AE014	Environmental Fee*	JOB	1	228.69	228.69	100.00%	-228.69	0.00
PC003	Employee/Supervisor Retention/perdiem	PR/MAN	4	1,306.80	5,227.20	90.00%	-4,704.48	522.72
JM001	Data Acquisition System	JOB	1	1,437.48	1,437.48	60.00%	-862.49	574.99
AE003	Circulation Equipment(40' of equipment)	JOB	1	1,633.50	1,633.50	60.00%	-980.10	653.40
AE002	Cement Head with manifold	JOB	1	1,176.12	1,176.12	60.00%	-705.67	470.45
LT005	Lab Testing - Thickening Time	EACH	2	326.70	653.40	0.00%	0.00	653.40
LT006	Lab Testing - Water Analysis	EACH	1	326.70	326.70	0.00%	0.00	326.70
CL011	7" Top Rubber Plug	EACH	1	203.28	203.28	40.00%	-81.31	121.97
CL012	7" Bottom Rubber Plug	EACH	1	440.44	440.44	40.00%	-176.18	264.26
CSB002	50/50 Poz With Premium	SACK	325	22.28	7,241.00	56.00%	-4,054.96	3,186.04
CP002	H (Premium Cement) (94 lbs/ft3)	94SACK	90	30.80	2,772.00	56.00%	-1,552.32	1,219.68
CP005	GEL	LBS	1,446	0.68	983.28	56.00%	-550.64	432.64
CPC29	FL-17 FLA	LBS	72	40.00	2,880.00	56.00%	-1,612.80	1,267.20
CP034	CF - 51 (Anti settling agent)	LBS	36	27.10	975.60	56.00%	-546.34	429.26
CP004	CF-37 (Dispersant)	LBS	28	13.55	379.40	56.00%	-212.46	166.94
CP013	CF - 20 (Lignosulfate Retarder) (below 2	LBS	36	13.55	487.80	56.00%	-273.17	214.63

Subtotal Amount	*****
Sales Tax	*****
Discount Amount	*****
Payment/Credit Amount	*****
Total Net Amount	*****

Contact: Ellen Yoder



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SOK4582	Net 30	12/6/2014	1/18/2015	AFE 14025	RALPH 36-34-9 SWD

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount
CPC43	X-Air P (Antifoam)	LBS	72	8.80	633.60	56.00%	-354.82	278.78

Contact: Ellen Yoder	Subtotal Amount	43,220.48
	Sales Tax	466.26
	Discount Amount	-25,943.33
	Payment/Credit Amount	0.00
	Total Net Amount	17,743.41

O-TEX PUMPING LLC

Service Location Fairview, Oklahoma
 Service Address 601 Industrial Blvd 73737

Phone number 580-227-2727

Project Number: SOK 4582

RB
12-7

Service Date: 12/6/2014
 Customer: Tapstone Energy
 Address: [Redacted]
 City: [Redacted]
 St: [Redacted]
 Customer Rep 0
 Phone 713-758-0636

Well Name: Ralph
 Well Number: 36-34-9 SWD
 County: Harper
 State: Kansas
 API #: 15-077-22115-00-00
 AFE #: DC14025
 PERMIT #

JOB TYPE CASING SIZE
 Job Type Intermediate Serv. Sup.
 Joseph Klemm
 Page 1 of 1

Pump 1 # 144302C-Double
 Pump 2 # 0

REF #	DESCRIPTION	U OF MEAS.	UNIT PRICE	QUAN	GROSS	%DISC	disc	NET
ML001	Pickup Mileage	per milier / per Unit	4.26	100.0	\$426.00	60%	\$255.60	\$170.40
ML002	Pump Truck/Heavy Vehicle Mileage	per milier / per Unit	7.32	100.0	\$732.00	60%	\$439.20	\$292.80
ML003	Bulk Cement Delivery/Return	per Ton-Mile	2.95	1,854.0	\$5,469.30	60%	\$3,281.58	\$2,187.72
MX001	Bulk Material Mixing Service-Charge	per cuft	3.27	438.0	\$1,432.26	60%	\$859.36	\$572.90
CC006	Pump Charge 5001-6000'	(per 4 hrs)	4,671.81	1.0	\$4,671.81	60%	\$2,803.09	\$1,868.72
CC015	Pump Charge Additional Hours	per hour/per unit	588.06	3.0	\$1,764.18	35%	\$617.46	\$1,146.72
AE012	Bulk Unit Additional Hours	Per unit/per hour	130.68	3.0	\$392.04	35%	\$137.21	\$254.83
ML014	Fuel Surcharge *	per unit perjob	653.40	1.0	\$653.40	100%	\$653.40	\$0.00
AE014	Environmental Fee*	per job	228.69	1.0	\$228.69	100%	\$228.69	\$0.00
PC003	Employee/Supervisor Retention/perdiem	per job	1,306.80	4.0	\$5,227.20	90%	\$4,704.48	\$522.72
JM001	Data Acquisition System	Per Job	1,437.48	1.0	\$1,437.48	60%	\$862.49	\$574.99
AE003	Circulation Equipment(40' of equipment)	per job	1,633.50	1.0	\$1,633.50	60%	\$980.10	\$653.40
AE000	Circulating hose (replacement)	per hose	1,375.00	-	\$0.00	0%	\$0.00	\$0.00
AE002	Cement Head with manifold	per job	1,176.12	1.0	\$1,176.12	60%	\$705.67	\$470.45
LT005	Lab Testing - Thickening Time	per test	326.70	2.0	\$653.40	0%	\$0.00	\$653.40
LT006	Lab Testing - Water Analysis	per test	326.70	1.0	\$326.70	0%	\$0.00	\$326.70
CL011	7" Top Rubber Plug	Each	203.28	1.0	\$203.28	40%	\$81.31	\$121.97
CL012	7" Bottom Rubber Plug	Each	440.44	1.0	\$440.44	40%	\$176.18	\$264.26
CSB002	50/50 Poz with Premium (Includes 2% Gel)	per sk	22.28	325.0	\$7,241.00	56%	\$4,054.96	\$3,186.04
CP002	H (Premium Cement) (94 lbs/ft3)	per sk	30.80	90.0	\$2,772.00	56%	\$1,552.32	\$1,219.68
CP005	GEL	per lb	0.68	1,446.0	\$983.28	56%	\$550.64	\$432.64
CPC29	FL-17 Fluid Loss Additive 80-140F	per lb	40.00	72.0	\$2,880.00	56%	\$1,612.80	\$1,267.20
CP034	CF - 51 (Anti setting agent)	per lb	27.10	36.0	\$975.60	56%	\$546.34	\$429.26
CP004	CF-37 (Dispersant)	per lb	13.55	28.0	\$379.40	56%	\$212.46	\$166.94
CP013	CF - 20 (Lignosulfate Retarder) (below 220')	per lb	13.55	36.0	\$487.80	56%	\$273.17	\$214.63
CPC43	X-Air (Powder Defoamer)	per lb	8.80	72.0	\$633.60	56%	\$354.82	\$278.78
					\$43,220.48		\$25,943.32	\$17,277.16

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.
 Customer Authorized Agent: [Signature]

RECEIVED DEC 11 2014

SERVICE ORDER CONTRACT

Customer Name Tapstone Energy Ticket Number SOK 4582
Lease & Well Number Ralph 36-34-9 SWD Date 12/6/2014

As consideration, The Above Named customer Agrees:

O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-TEX pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-TEX pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-TEX makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, O-TEX personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-TEX gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated.

Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account.

Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

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

Customer Authorized Agent: 

JOB SUMMARY			PROJECT NUMBER SOK 4582	TICKET DATE 12/06/14
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP 0	
LEASE NAME Ralph	Well No. 6-34-9 SW	JOB TYPE Intermediate	EMPLOYEE NAME Joseph Klemm	

EMP NAME	Joseph Klemm	0			
	Cody Bonitz				
	Joe Collins				
	Blake Hayworth				

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **155** Pressure _____
 Retainer Depth _____ Total Depth **5630'**

	Called Out	On Location	Job Started	Job Completed
Date	12/6/2014	12/6/2014	12/6/2014	12/6/2014
Time	0530	0800	0830	1530

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	5627'	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 1/2"		Surface	5,630	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Gel	BBL.	30 8.40
Spacer type		BBL.	
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

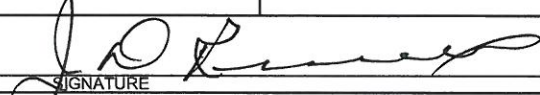
Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/6	7.5	12/6	7.0	Intermediate
Total	7.5	Total	7.0	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures	
MAX 5,000 PSI	AVG. 500
Average Rates in BPM	
MAX 7 BPM	AVG 5
Cement Left in Pipe	
Feet 87	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	325	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.1% C-37 - 0.2% X-Air	6.93	1.43	13.60
2	90	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.2% X-Air	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI 30.00	Type: Gel Spacer
	MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI N/A	Pad:Bbl -Gal N/A
	Lost Returns- NO/FULL	Excess /Return BBI N/A	Calc.Disp Bbl 212
	Actual TOC 1.960	Calc. TOC: 1.960	Actual Disp. 212.00
Average	Bump Plug PSI: 1.400	Final Circ. PSI: 800	Disp:Bbl 212.00
ISIP 5 Min.	10 Min	Cement Slurry BBI 101.7	
	15 Min	Total Volume BBI 343.70	

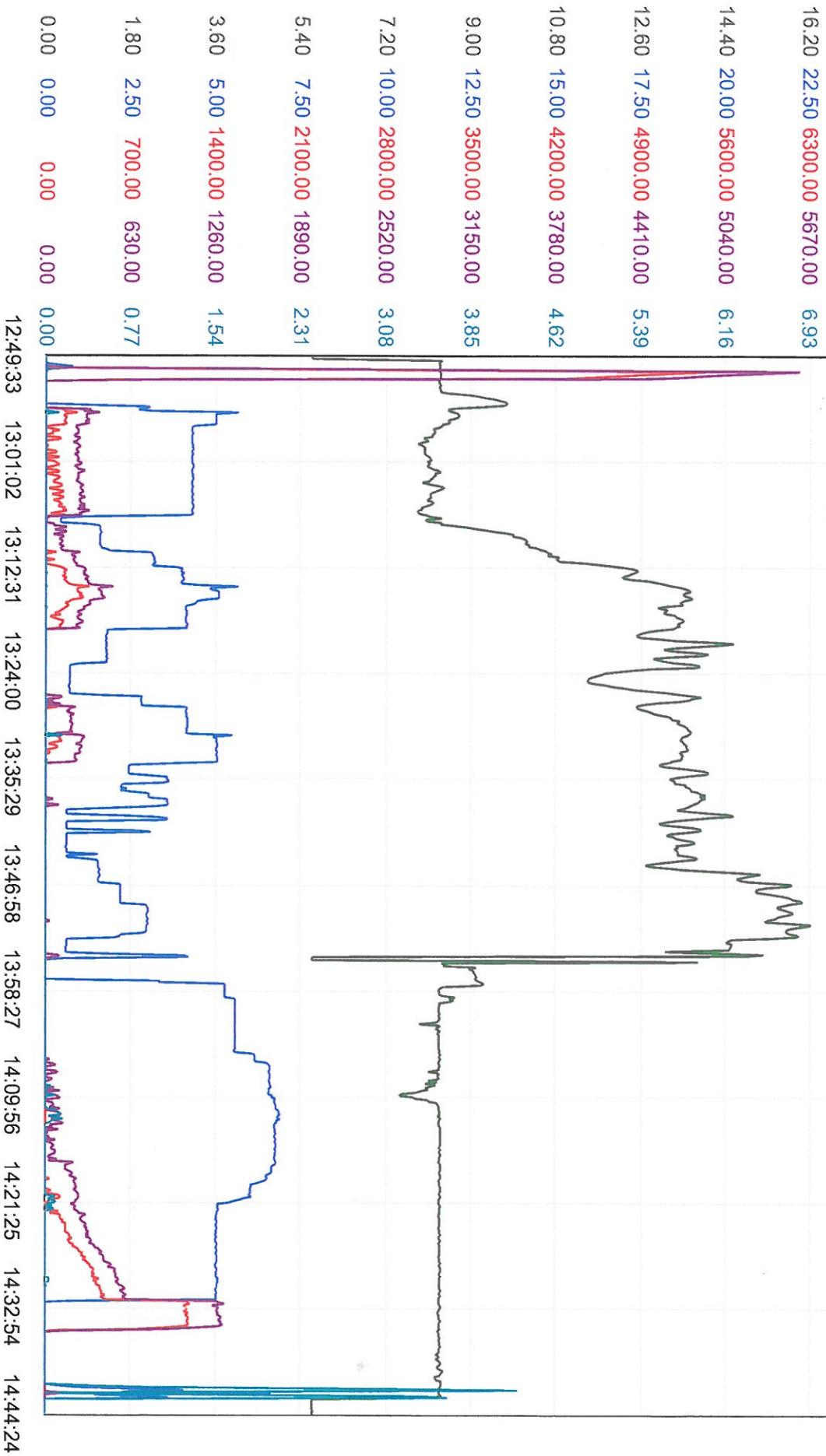
CUSTOMER REPRESENTATIVE _____
 SIGNATURE 

SERVICE COMPANY: O-Tex
 TICKET NO: DC14025
 CUSTOMER NAME: Tapstone Energy
 WELL NAME: Ralph 36349 SWD
 WELL LOCATION: Harper Co. KS

DATE RECORDED: 12/06/2014
 JOB NO: SOK 4582
 UNIT DESCRIPTION: Unit #303
 UNIT NOTES: 7" Intermediate
 FILE NAME: Tapstone Energy_Ralph 36349 SWD_14_12_06_#1.csv



Pen 1: Density 1 (Density : lb/gal)
 Pen 4: Pressure 2 (Pressure : psi)
 Pen 1 Pen 2 Pen 3 Pen 4 Pen 5
 18.00 25.00 7000.00 6300.00 7.70
 Pen 2: SlurryRate (Flowrate : bpm)
 Pen 5: Flowrate 1 (Flowrate : bpm)
 Pen 3: Pressure 1 (Pressure : psi)

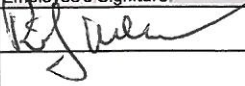
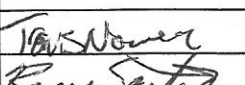
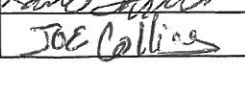
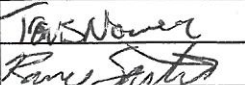
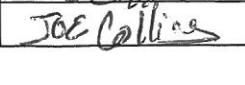



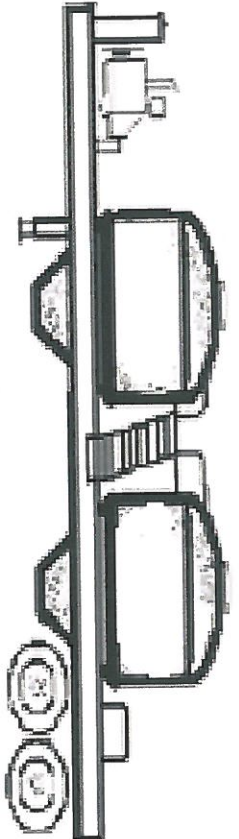
Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 4582	AFE/WORK ORDER DC14025	DATE 12/6/2014	
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 36/34S/9W	API 15-077-22115-00-00	
LEASE & WELL # Ralph 36-34-9 SWD		COUNTY Harper	STATE Kansas	MILEAGE 100	
DIRECTIONS BYRON, OK- NORTH ON HWY 58 TO STATE LINE-1 MILE NORTH- 3 MILES EAST THROUGH WHITE GATE					
Pumping Services	<input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Long String <input type="checkbox"/> Plug Back <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other () H2S				
	Casing Size	Casing Weight	Thread	Tbng/DP Size	
	7"	26#	LTC		
	Number and Type Units Pump Truck & Bulk Materials			% Excess 40%	
	Remarks TAKE 7" TOP & BOTTOM PLUG		Plug. Cont. YES	Swage YES	Top Plug YES
		Bottom Plug NO	Hole Depth 5,630		
		Est. BHST 155	Hole Size 8 3/4"		
Materials	LEAD	# of Sacks 325	Type 50/50 POZ PREMIUM	Additives	
	82.77			4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.1% C-37 - 0.2% X-Air	
	H2O TO MIX	Weight PPG 13.60	Yield Ft3/Sk 1.43		Water Gal/Sk 6.93
	53.63				
	TAIL	# of Sacks 90	Type Premium	Additives	
	19.07			0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.2% X-Air	
	H2O TO MIX	Weight PPG 15.60	Yield Ft3/Sk 1.19		Water Gal/Sk 5.19
	11.12				
		# of Sacks	Type	Additives	
		Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
		ACID	Type	Additives	
		Inhibitor	Surfactant	clay cont.	
	Spacer or Flush	Quantity 30 bbls	Type Gel Spacer	Additives 900#s Bentonite Gel	
	Displace	Quantity	Type	Additives	
	Other	Quantity	Type	Additives	
Crew Called	Cementer	Pumper	Bulky	Bulky	
	Joseph Klemm	Cody Bonitz	Joe Collins	Blake Hayworth	
CEOL	7" 8RD SWAGE, SW, DW, BALE RACK				
Sales Items	Casing Size	7"	Casing Weight	26#	
	Guide Shoe		Thread	LTC	
	Centralizers - Number		Float Shoe		
	Wall Cleaners - Number		Float Collar	Insert Float Valve	
	Limit Clamps		Size	Type	
	Remarks	TAKE 7" TOP & BOTTOM PLUG			
Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call	
0	713-758-0636				
Call Taken By	Crew Called			Date Ready	
Robert Burris	Joseph Klemm			12/6/14	
				Location Time	
				800 AM	
				Yard Time	
				12/6/14 530 AM	

O-Tex Pumping LLC

Job Safety Analysis Worksheet		DATE:	12/6/2014
LEASE NAME AND JOB TYPE:		Ralph 36-34-9 SWD Intermediate	JOB NUMBER: SOK 4582
EMPLOYEE NAME AND JOB TITLE:		Joseph Klemm SUPERVISOR	Company: Tapstone Energy Rig: Unit #303
PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED OR REQUIRED:			
HARD HAT / STEEL TOED BOOTS / SAFETY GLASSES / EAR PLUGS / GLOVES / COVERALLS			
SEQUENCE OF BASIC JOB STEPS	POTENTIAL ACCIDENTS OR HAZARDS	RECOMMENDED SAFE JOB PROCEDURES	
ASSESS LOCATION FOR POTENTIAL HAZARDS	SLIPS - TRIPS - FALLS	PAY ATTENTION TO SURROUNDINGS	
SAFETY HUDDLE TO DISCUSS HAZARDS AND POTENTIAL HAZARDS WHILE SPOTTING EQUIPMENT	NOT UNDERSTANDING OR HEARING JOB STEPS	SPEAK LOUD AND CLEAR - PAY ATTENTION - ASK QUESTIONS	
SPOT EQUIPMENT	BACKING INTO OR OVER SOMETHING OR SOMEONE	USE SPOTTERS AND MIRRORS - BACK SLOW - WATCH SPOTTER	
RIG UP IRON AND HOSES	SLIPS - TRIPS - FALLS - PINCH POINTS	PAY ATTENTION - DON'T RUSH OR TAKE SHORTCUTS - ASK FOR HELP IF NEEDED	
PRIME PUMPS	LEAKS - PINCH POINTS	WATCH HAND AND FOOT PLACEMENT - CHECK FOR LEAKS - WATCH PRESSURE	
RAISE STAND PIPE TO RIG FLOOR - RIG UP FLOOR	SLIPS - TRIPS - FALLS - OBJECTS FALLING - PINCH POINTS	DON'T TAKE SHORT CUTS - PAY ATTENTION TO TASK AT HAND - USE HAND RAILS WHEN GOING UP OR DOWN RIG STAIRS - DON'T GET UNDER OBJECTS BEING RAISED OR LOWERED - WATCH HAND AND FOOT PLACEMENT	
STAB PLUG CONTAINER OR DRILL PIPE PIN	SLIPS - TRIPS - FALLS - PINCH POINTS - DROPPED OBJECTS	WATCH HAND AND FOOT PLACEMENT - MAKE SURE ALL TOOLS ARE PROPERLY TIED OFF WHILE WORKING OVER HEAD - MAKE SURE LOADS ARE SECURE BEFORE LIFTING IN AIR - DON'T GET BETWEEN OBJECTS BEING LIFTED	
TEST LINES	LINES LEAKING OR EXPLODING	STAY CLEAR OF LINES WHILE UNDER PRESSURE - NEVER HAMMER ON IRON WITH PRESSURE ON IT!!!	
PUMP FLUIDS	LEAKS - PUMPING WRONG FLUID - VALVES CLOSED - PINCH POINTS	START PUMPING SLOWLY - WATCH FOR LEAKS OR RAPID PRESSURE INCREASE - WATCH HAND AND FOOT PLACEMENT - PAY ATTENTION TO YOUR JOB DUTIES	
RIG DOWN IRON	SLIPS - TRIPS - FALLS - DROPPED OBJECTS - PINCH POINTS	WATCH HAND AND FOOT PLACEMENT. DON'T WALK UNDER LOADS BEING LOWERED OR RAISED. DON'T THROW HAMMERS OR HAND TOOLS. DON'T RUSH OR TAKE SHORT CUTS. WORK TOGETHER. ASK FOR HELP OR HELP SOMEONE IF THEY NEED IT	
LEAVE LOCATION	RUNNING INTO OR OVER SOMETHING OR SOMEONE. OBJECTS FALLING FROM TRUCKS. FALLING ASLEEP WHILE DRIVING.	USE SPOTTER IF NEEDED. MAKE SURE ALL EQUIPMENT IS SECURE BEFORE MOVING TRUCK. WALK AROUND BEFORE GETTING IN CAB. IF YOU ARE TOO TIRED TO DRIVE, TAKE A NAP BEFORE LEAVING LOCATION. STOP IF YOU BECOME TOO SLEEPY AND CAN'T CONTINUE .	
Employee's Signature:			
	Chris Cross		
	J. Spindel		
	J. Edmore		
	Travis Womer		
	James Spitzer		
	Joe Collins		



*DE MERS STONES
copy*

Trailer Number: 50298/62485

Front Pot
TAIL
Driver Name _____

CEMENT ADDITIVES

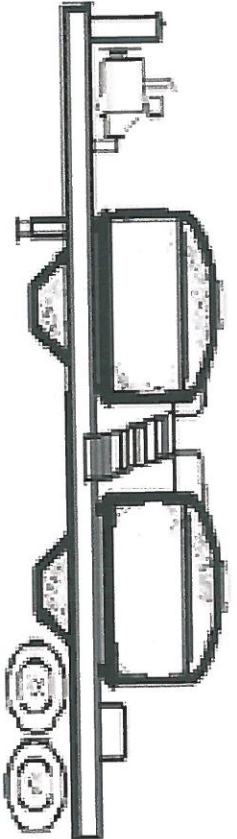
	BENTONITE
.2% FL-17	
.1% C-20	
.2% X-Air P	
.1% C-51	

Cement CLASS H
90 sks

Rear Pot
SPACER

Cement SPACER
9 sks

COMPANY: Tapstone DATE: 12/6/2014
 LEASE: Ralph 36-34-9 SWD TICKET: SOK 4582



*CEMENTWORKS
COPY*

Trailer Number: 42568/94302

Front Pot
LEAD

Driver Name _____

CEMENT ADDITIVES

Cement	50/50 Class H/POZ	4% GEL	2% FL-17	1% C-20	.1% C-37	.2% X-Air P	1% C-51
	162	sks					

Rear Pot
LEAD

Cement 50/50 Class H/POZ

162 sks

COMPANY: Tapstone DATE: 12/6/2014
LEASE: Ralph 36-34-9 SWD TICKET: SOK 4582