

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1235748
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1235748

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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7303 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
11/17/2014	0000018030

Phone # (580) 255-3111

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

Description of Work
HARPER,COUNTY KS AFE DC14021 API 15-077-22098-01-00
Job Type: Surface (New Well Only)

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK4429	Net 30	11/4/2014	12/17/2014	AFE DC14021	ROBERTS 22-34-9 1H

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount
ML001	Pickup Mileage	UNTMIL	100	4.26	426.00	65.00%	-276.90	149.10
ML002	Pump Truck/Heavy Vehicle Mileage	UNTMIL	100	7.32	732.00	65.00%	-475.80	256.20
ML003	Bulk Cement Delivery/Return	MILE	855	2.95	2,522.25	65.00%	-1,639.46	882.79
MX001	Bulk Material Mixing Service Charge	SCF	399	3.27	1,304.73	65.00%	-848.07	456.66
CC001	Pump Charge 0-1000'	4-HRS	1	2,038.61	2,038.61	65.00%	-1,325.10	713.51
CC015	Pump Charge Additional Hours	UNTHRS	6	588.06	3,528.36	35.00%	-1,234.93	2,293.43
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	5	1,306.80	6,534.00	90.00%	-5,880.60	653.40
JM001	Data Acquisition System	JOB	1	1,437.48	1,437.48	65.00%	-934.36	503.12
AE002	Cement Head with manifold	JOB	1	1,176.12	1,176.12	65.00%	-764.48	411.64
AE003	Circulation Equipment(40' of equipment)	JOB	1	1,633.50	1,633.50	65.00%	-1,061.78	571.72
CL017	9 5/8" Top Rubber Plug	EACH	1	338.80	338.80	40.00%	-135.52	203.28
CSB006	O-Tex Lite Premium Plus	SACK	230	29.81	6,856.30	56.00%	-3,839.53	3,016.77
CP001	C (Premium Plus Cement) (94 lbs/ft3)	94SACK	130	30.80	4,004.01	56.00%	-2,242.25	1,761.76
CP010	Cello Flake	LBS	90	4.20	378.00	56.00%	-211.68	166.32
CP018	Calcium Chloride	LBS	645	1.22	786.90	56.00%	-440.66	346.24
CP009	CF-41 (Foam Preventer)	GAL	1	86.06	86.06	56.00%	-48.19	37.87
CPC43	X-Air P (Antifoam)	LBS	40	8.80	352.00	56.00%	-197.12	154.88
CP031	Sugar	LBS	100	3.39	339.00	0.00%	0.00	339.00

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

Contact: Ellen Yoder



7303 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
11/17/2014	0000018030

Phone # (580) 255-3111

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

Description of Work
HARPER,COUNTY KS AFE DC14021 API 15-077-22098-01-00
Job Type: Surface (New Well Only)

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK4429	Net 30	11/4/2014	12/17/2014	AFE DC14021	ROBERTS 22-34-9 1H

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount

Subtotal Amount	35,356.21
Sales Tax	370.61
Discount Amount	-22,438.52
Payment/Credit Amount	0.00
Total Net Amount	13,288.30

Contact: Ellen Yoder

O-Tex Pumping LLC

Service Location Fairview, Oklahoma
 Service Address 601 Industrial Blvd 74755

Service Date: 11/4/2014
 Customer Tapstone Energy
 Address:
 City
 St
 Customer Rep 0
 Phone 0

FIELD RECEIPT

Phone number 580-227-2727
 Well Name: Roberts 22-34-9
 Well Number: 1H
 County: Harper
 State: Kansas
 15-077-22098-01-00
 DC14021

Project Number: SOK 4429

JOB TYPE
 CASING SIZE
 Job Type
 Surface
 Serv. Sup.
 Bryan Douglas
 Page 1 of 1

TAPSTONE ENERGY	AFF # DC 14021	WELL Roberts 22-34-9 1H	RIG Unit 303	ACT CODE 830.37	APPROVED AMT 1297.69	CO. REP. DANIEL MILLER	DATE 11-4-2014
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REF #	DESCRIPTION	U OF MEAS.	UNIT PRICE	QUAN	GROSS	%DISC	disc	NET
ML001	Pickup Mileage	per mile/ per Unit	4.26	100.0	\$426.00	65%	\$276.90	\$149.10
ML002	Pump Truck/Heavy Vehicle Mileage	per mile/ per Unit	7.32	100.0	\$732.00	65%	\$475.80	\$256.20
ML003	Bulk Cement Delivery/Return	per Ton-Mile	2.95	855.0	\$2,522.25	65%	\$1,639.46	\$882.79
MX001	Bulk Material Mixing Service Charge	per cuft	3.27	399.0	\$1,304.73	65%	\$848.07	\$456.66
CC001	Pump Charge 0-1000'	(per 4 hrs)	2,038.61	1.0	\$2,038.61	65%	\$1,325.10	\$713.51
CC015	Pump Charge Additional Hours	per hour/per unit	588.06	6.0	\$3,528.36	35%	\$1,234.93	\$2,293.43
ML014	Fuel Surcharge *	per unit per job	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	5.0	\$6,534.00	90%	\$5,880.60	\$653.40
JM001	Data Acquisition System	Per Job	1,437.48	1.0	\$1,437.48	65%	\$934.36	\$503.12
AE002	Cement Head with manifold	per job	1,176.12	1.0	\$1,176.12	65%	\$764.48	\$411.64
AE003	Circulation Equipment(40' of equipment)	per job	1,633.50	1.0	\$1,633.50	65%	\$1,061.78	\$571.73
CL017	9 5/8" Top Rubber Plug	Each	338.80	1.0	\$338.80	40%	\$195.52	\$203.28
CSB006	O-TEX Lite with Premium Plus(65/35/6)	per sk	29.81	230.0	\$6,856.30	56%	\$3,839.53	\$3,016.77
CP001	C (Premium Plus Cement) (94 lbs/ft3)	per sk	30.80	130.0	\$4,004.00	56%	\$2,242.24	\$1,761.76
CP010	Cello Flake	per lb	4.20	90.0	\$378.00	56%	\$211.68	\$166.32
CP018	Calcium Chloride	per lb	1.22	645.0	\$786.90	56%	\$440.66	\$346.24
CP009	CF-41 (Foam Preventer)	per gal	86.06	1.0	\$86.06	56%	\$48.19	\$37.87
CPC43	X-Air (Powder Defoamer)	per lb	8.80	40.0	\$352.00	56%	\$197.12	\$154.88
CP031	Sugar	per lb	3.39	100.0	\$339.00	0%	\$0.00	\$339.00
ML003	Bulk Cement Delivery/Return	per Ton-Mile	2.95	-	\$0.00	65%	\$0.00	\$0.00
MX001	Bulk Material Mixing Service Charge	per cuft	3.27	-	\$0.00	65%	\$0.00	\$0.00
CP001	C (Premium Plus Cement) (94 lbs/ft3)	per sk	30.80	-	\$0.00	56%	\$0.00	\$0.00
CP018	Calcium Chloride	per lb	1.22	-	\$0.00	56%	\$0.00	\$0.00
AE022	1" Pipe for Top-Out*	per ft	7.90	-	\$0.00	20%	\$0.00	\$0.00
					\$35,356.20		\$22,438.51	\$12,917.69

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 NOV 05 2014

SERVICE ORDER CONTRACT

Customer Name Tapstone Energy Ticket Number SOK 4429

Lease & Well Number Roberts 22-34-9 1H Date 11/4/2014

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: D. J. Miller

JOB SUMMARY			PROJECT NUMBER SOK 4429	TICKET DATE 11/04/14
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP 0	
LEASE NAME Roberts 22-34-9	Well No. 1H	JOB TYPE Surface	EMPLOYEE NAME Bryan Douglas	

EMP NAME	Bryan Douglas	0					
	Dustin Odom						
	Ron Derry						
	0.00						

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **776**

Date	Called Out	On Location	Job Started	Job Completed
	11/4/2014	11/4/2014	11/4/2014	11/4/2014
Time	0600	0800	1600	1800

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	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
Casing		36#	9 1/2"		Surface	776
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/2"		Surface	770
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type		9	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal
Spacer type	resh Wate BBL.	10	8.33
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	Date	Hours			
11/4	10.0	11/4	2.0			Surface		
						1/4 BBL BACK		
						FLOATS HELD		
						66 BBLs CEMENT BACK		
Total	10.0	Total	2.0					

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

Pressures			
MAX	1.500 PSI	AVG	200
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	230	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - 0.2% X-Air	11.11	2.01	12.40
2	130	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary							
Preflush	10	Type:	Fresh Water	Preflush:	BBI	10.00	Type:
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Fresh Water
		Lost Returns-N	NO/FULL	Excess /Return	BBI	66	Pad:Bbl -Gal
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Calc.Disp Bbl
Average		Bump Plug PSI:	800	Final Circ.	PSI:	300	Actual Disp.
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI	112.9	Disp:Bbl
				Total Volume	BBI	179.35	56.45

CUSTOMER REPRESENTATIVE D.J.C. Milk SIGNATURE



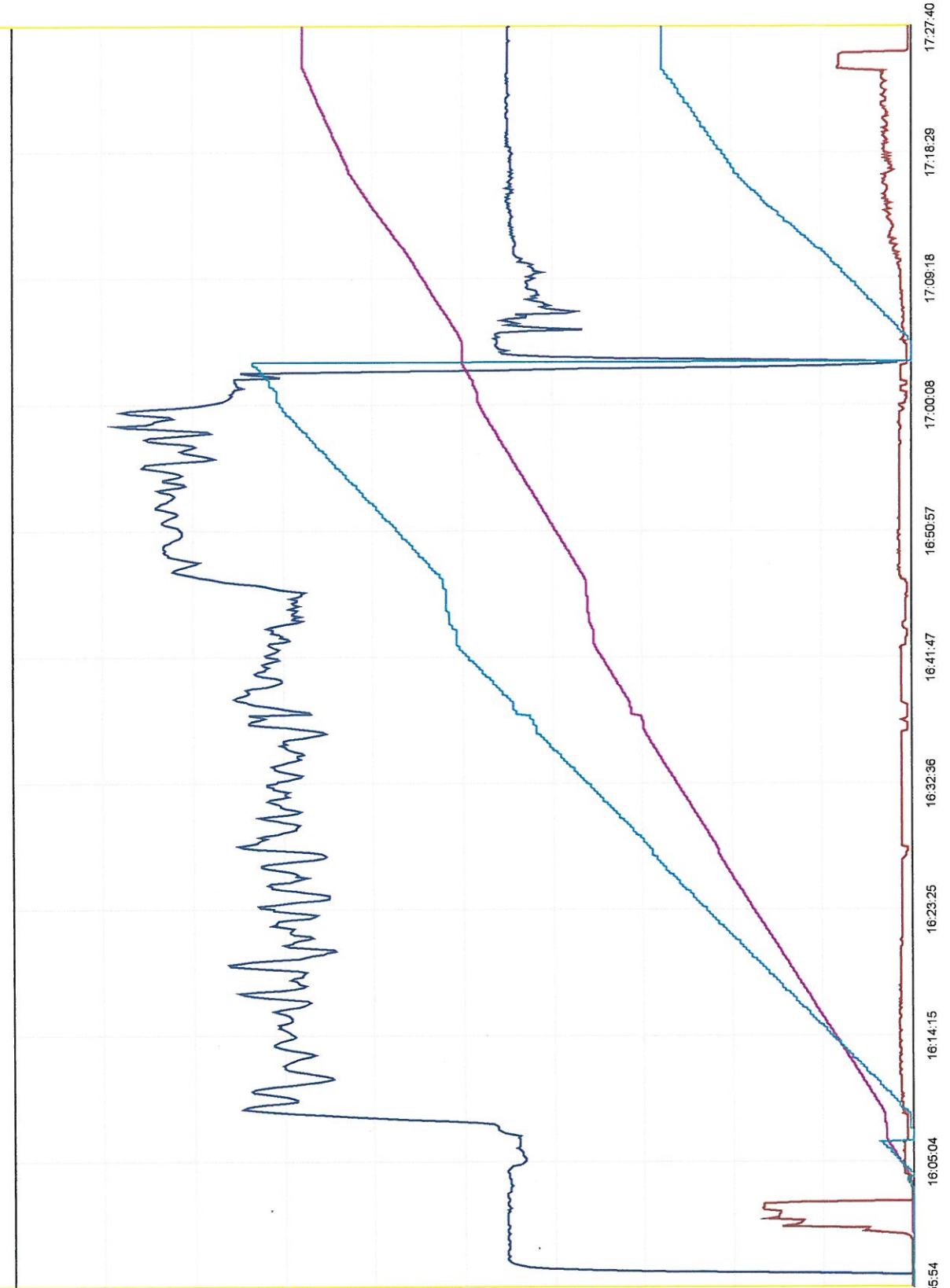
SERVICE COMPANY: O-Tex Pumping
 TICKET NO: Unit #303
 CUSTOMER NAME: Tapstone Energy
 WELL NAME: Roberts 22349 1H
 WELL LOCATION: 27/34S/9W
 DATE RECORDED: 11/04/2014
 JOB NO: Sok4429
 UNIT DESCRIPTION: 9 5/8 Surface
 UNIT NOTES: Fresh Water
 FILE NAME: Tapstone Energy_Roberts 22349 1H_14_11_04_#1.csv

Pen 1: Density 1 (Density : lb/gal)
 Pen 2: SlurryRate Calc. Total (Density : lb/gal)
 Pen 3: Pressure 1 (Pressure : psi)
 Pen 4: SlurryRate Rcvd. Total (Pressure : psi)

15:55:54 PC Data Recording Started

Pen.1 Pen.2 Pen.3 Pen.4
 18.00 420.00 10000.00 270.00

16.20 378.00 9000.00 243.00
 14.40 336.00 8000.00 216.00
 12.60 294.00 7000.00 189.00
 10.80 252.00 6000.00 162.00
 9.00 210.00 5000.00 135.00
 7.20 168.00 4000.00 108.00
 5.40 126.00 3000.00 81.00
 3.60 84.00 2000.00 54.00
 1.80 42.00 1000.00 27.00
 0.00 0.00 0.00 0.00

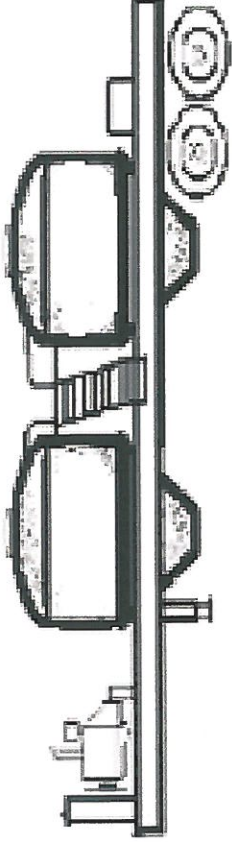


17:27:40 PC Data Recording Stopped

Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 4429	AFE/WORK ORDER DC14021	DATE 11/4/2014
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 27/34S/9W	API 15-077-22098-01-00
LEASE & WELL # Roberts 22-34-9 1H		COUNTY Harper	STATE Kansas	MILEAGE 100
DIRECTIONS HWY 58 & STATE LINE NORTH OF BYRON OK - 4.5 MILES NORTH - 1 MILE EAST (NE CORNER)				
Pumping Services	<input checked="" type="checkbox"/> Surface <input 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 9 3/4"	Casing Weight 36#	Thread LTC	% Excess 100%
	Number and Type Units Pump Truck & Bulk Materials			Top Plug YES
	Remarks			Bottom Plug NO
				Swage YES
Materials	LEAD	# of Sacks 230	Type O-TEX Lite Premium Plus 65/35	Additives (6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - 0.2% X-Air
	H2O TO MIX	Weight PPG 60.84	Yield Ft3/Sk 2.01	Water Gal/Sk 11.11
	TAIL	# of Sacks 130	Type Premium Plus (Class C)	Additives 2% Calcium Chloride - 1/4pps Cello-Flake
	H2O TO MIX	Weight PPG 19.56	Yield Ft3/Sk 1.32	Water Gal/Sk 6.32
	TOP OUT	# of Sacks	Type	Additives
	H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk
	ACID	Type	Additives TAKE 50 # Sugar	
	Inhibitor	Surfactant	clav cont.	
	Spacer or Flush	Quantity 10 BBL	Type Fresh Water	Additives
	Spacer or Flush	Quantity	Type	Additives
Other	Quantity	Type	Additives	
Crew Called	Cementer	Pumper	Bulky	Bulky
	Bryan Douglas	Dustin Odom	Ron Derry	
CEOL	9 5/8" 8RD SWAGE, SW, DW, BALE RACK			
Sales Items	Casing Size 9 3/4"	Casing Weight 36#	Thread LTC	
	Guide Shoe	Float Shoe	Float Collar	Insert Float Valve
	Centralizers - Number	Size	Type	
	Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
	Limit Clamps	Thread lock	Other	
	Remarks			
Customer Rep. 0	Cell Phone 0	Office Phone	Fax	Time of Call
Call Taken By Jared Sisco				Date Ready
Crew Called Bryan Douglas				Location Time
				Yard Time



Trailer Number: 73421/19147

Driver Name _____

Front Pot
LEAD

Cement 65/35 Class C/POZ
230 sks

Rear Pot
TAIL

Cement Class C
130 sks

CEMENT ADDITIVES

6% Gel	2% Calcium
2% Calcium	1/4PPS Flake
1/4PPS Flake	
.2% X-Air P	

COMPANY: Tapstone Energy DATE: 11/3/2014

LEASE: Roberts 22-34-9 1H TICKET: SOK 4429

*CEMENTERES
copy*



Job Site Safety Meeting Attendance Sheet

Date: 11/4/2014

Job Site Leader: Bryan Douglas

Max Pressure: 1,500 PSI

Company - Lease - Well #: Tapstone Energy / Roberts 22-34-9 1H

Ticket #: SOK 4429

	Employee Name <i>*** Please Print ***</i>	Employee Number	Unit Number	Trailer Number	Unit Type	Location	Company Name
1	Bryan Douglas	N/A	38317	N/A	Pickup	Fairview	O-Tex
2	Dustin Odum	N/A	73437	02523	Pump	Fairview	O-Tex
3	Ron Derry	N/A	73421	19147	Bulk	Fairview	O-Tex
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Job Site Safety Leader: Bryan Douglas

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immediately.



7303 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
11/17/2014	0000018043

Phone # (580) 255-3111

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

Description of Work
HARPER,COUNTY KS AFE DC14021 API 15-077-22098-01-00
Job Type: Intermediate

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK4466	Net 30	11/11/2014	12/17/2014	AFE DC14021	ROBERTS 22-34-9 1H

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	998	2.95	2,944.10	60.00%	-1,766.46	1,177.64
MX001	Bulk Material Mixing Service Charge	SCF	230	3.27	752.10	60.00%	-451.26	300.84
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	8	588.06	4,704.48	35.00%	-1,646.57	3,057.91
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	130	22.28	2,896.40	56.00%	-1,621.98	1,274.42
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	1,119	0.68	760.92	56.00%	-426.12	334.80
CPC29	FL-17 FLA	LBS	39	40.00	1,560.00	56.00%	-873.60	686.40
CP034	CF - 51 (Anti settling agent)	LBS	20	27.10	542.00	56.00%	-303.52	238.48
CP004	CF-37 (Dispersant)	LBS	11	13.55	149.05	56.00%	-83.47	65.58
CP013	CF - 20 (Lignosulfate Retarder) (below 2	LBS	29	13.55	392.95	56.00%	-220.05	172.90

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

Contact: Ellen Yoder



7303 N. Highway 81
Duncan, OK 73533

Invoice

Date:	Invoice #:
11/17/2014	0000018043

Phone # (580) 255-3111

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

Description of Work
HARPER, COUNTY KS AFE DC14021 API 15-077-22098-01-00
Job Type: Intermediate

Field Receipt	Terms	Service Date	Due Date	AFE No	Lease/Well Name
SOK4466	Net 30	11/11/2014	12/17/2014	AFE DC14021	ROBERTS 22-34-9 1H

Item	Description	U/M	Qty	Price Each	Amount	Disc %	Disc Amt	Net Amount
CPC43	X-Air P (Antifoam)	LBS	56	8.80	492.80	56.00%	-275.97	216.83
CAC03	Calcium Carbonate, CaCO3	LBS	50	1.18	59.00	56.00%	-33.04	25.96
CP020	Salt (NaCl), 100 mesh sacked	LBS	25	0.68	17.00	56.00%	-9.52	7.48

Subtotal Amount	35,852.82
Sales Tax	284.67
Discount Amount	-21,154.09
Payment/Credit Amount	0.00
Total Net Amount	14,983.40

Contact: Ellen Yoder

11-1-14
55

O-TEX PUMPING
Fairview, Oklahoma
601 Industrial Blvd 73347

Service Date: 11/11/2014
Customer: Tapstone Energy
Address:
City:
St:
Customer Rep: Buck
Phone: 713-7580636

FIELD RECEIPT
580-227-2727

Project Number: SOK 4466

Well Name: Roberts
Well Number: 22-34-9 1H
County: Harper
State: Kansas
API #: 15-077-22098-01-00
AFE #: DC14021

Job Type: Intermediate
Serv. Sup.: John Hall
Page 1 of 1

TAPSTONE ENERGY	DATE: 11/11/2014
WELL: Roberts 22-34-9 1H	CO. REP: Buck Joyce
AFE #: DC14021	APPROVED AMT: \$14,698.74
RIG: Unit 303	ACT CODE: 830-37

REF #	DESCRIPTION	U OF MEAS.	UNIT PRICE	QUAN	GROSS	%DISC	disc	NET
ML001	Pickup Mileage	per mile/ per Unit	4.26	100.0	\$426.00	60%	\$255.60	\$170.40
ML002	Pump Truck/Heavy Vehicle Mileage	per mile/ per Unit	7.32	100.0	\$732.00	60%	\$439.20	\$292.80
ML003	Bulk Cement Delivery/Return	per Ton-Mile	2.95	998.0	\$2,944.10	60%	\$1,766.46	\$1,177.64
MX001	Bulk Material Mixing Service Charge	per cuft	3.27	230.0	\$752.10	60%	\$451.26	\$300.84
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	8.0	\$4,704.48	35%	\$1,646.57	\$3,057.91
ML014	Fuel Surcharge *	per unit per job	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	130.0	\$2,896.40	56%	\$1,621.98	\$1,274.42
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	1,119.0	\$760.92	56%	\$426.12	\$334.80
CPC29	FL-17 Fluid Loss Additive 80-140F	per lb	40.00	39.0	\$1,560.00	56%	\$873.60	\$686.40
CP034	CF -51 (Anti setting agent)	per lb	27.10	20.0	\$542.00	56%	\$303.52	\$238.48
CP004	CF-37 (Dispersant)	per lb	13.55	11.0	\$149.05	56%	\$83.47	\$65.58
CP013	CF - 20 (Lignosulfate Retarder) (below 220")	per lb	13.55	29.0	\$392.95	56%	\$220.05	\$172.90
CPC43	X-Air (Powder Defoamer)	per lb	8.80	56.0	\$492.80	56%	\$275.97	\$216.83
CAC03	Calcium Carbonate, CaCO3	per lb	1.18	50.0	\$59.00	56%	\$33.04	\$25.96
CP020	Salt (NaCl), 100 mesh sacked	per lb	0.68	25.0	\$17.00	56%	\$9.52	\$7.48
							\$21,154.08	\$14,698.74
							\$35,852.82	

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

Customer Authorized Agent: Buck Joyce

RECEIVED NOV 13 2014

SERVICE ORDER CONTRACT

Customer Name Tapstone Energy Ticket Number SOK 4466

Lease & Well Number Roberts 22-34-9 1H Date 11/10/2014

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:

Buch Fogle

JOB SUMMARY			PROJECT NUMBER SOK 4466	TICKET DATE 11/11/14
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP Buck	
LEASE NAME Roberts	Well No. 22-34-9 1H	JOB TYPE Intermediate	EMPLOYEE NAME John Hall	

EMP NAME					
John Hall					
Roy Morris					
Wallace Berry					
Chris Looney					

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0 _____

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5,070'**

Date	Called Out	On Location	Job Started	Job Completed
	11/10/2014	11/10/2014	11/11/2014	11/11/2014
Time	330pm	500pm	230am	500am

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
Casing	26#	7"		Surface	
Liner					
Liner					
Tubing		0			
Drill Pipe					
Open Hole		8 1/2"		Surface	5,070'
Perforations					
Perforations					
Perforations					

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	Gel	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

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/10	12.0	11/11	2.5	Intermediate
Total	12.0	Total	2.5	

Pressures			
MAX	5,000 PSI	AVG.	500 psi
Average Rates in BPM			
MAX	8 BPM	AVG	5 bpm
Cement Left in Pipe			
Feet	86	Reason	SHOE JOINT

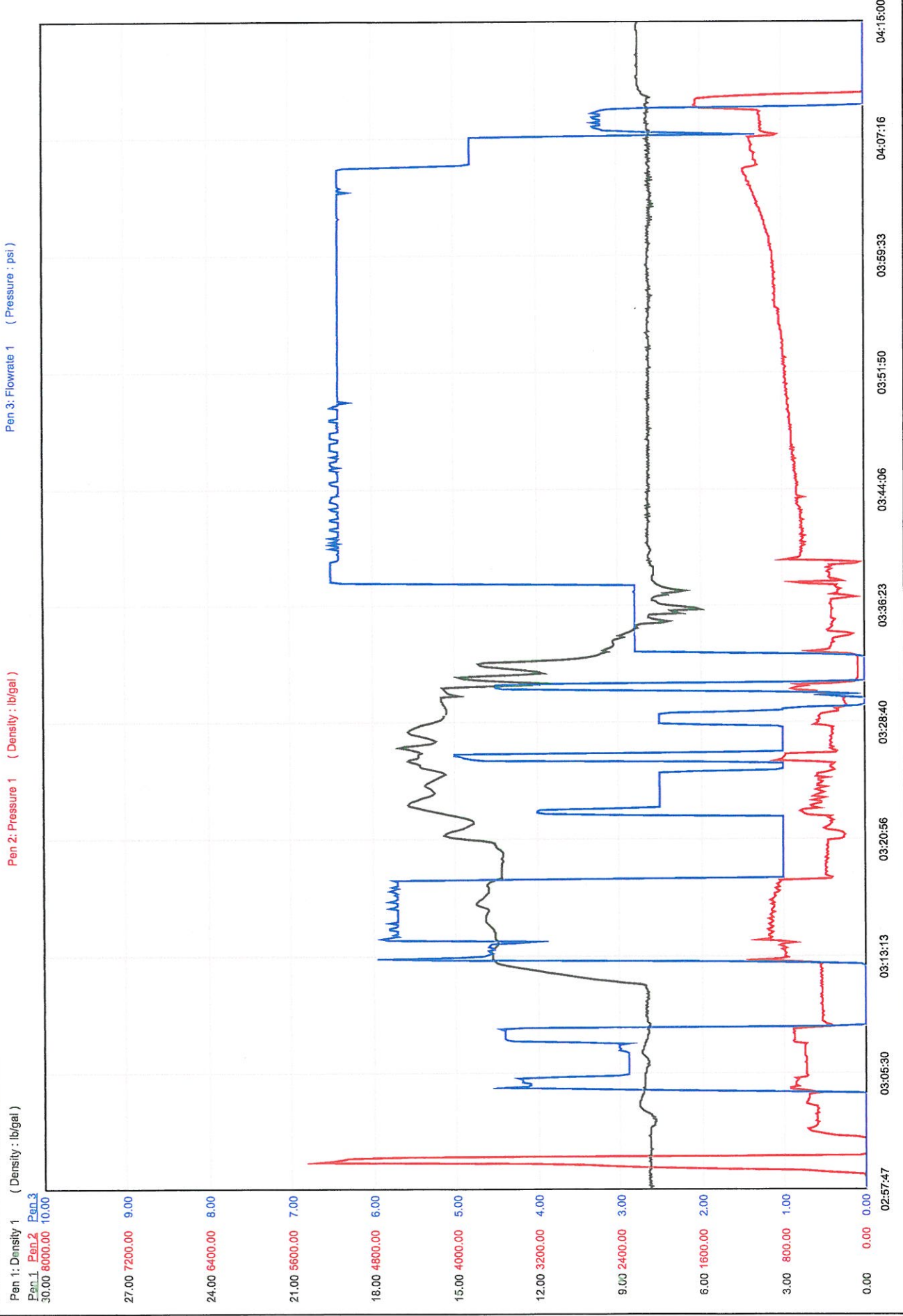
Cement Data								
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal		
1	130	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.15% C-20 - 0.1% C-37 - 0.2% X-Air	6.93	1.43	13.60		
2	90	Premium	0.2% FL-17 - 0.1% C-51 - 0.15% C-20 - 0.2% X-Air	5.19	1.19	15.60		
3	0	0		0	0.00	0.00		

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns- _____	Preflush: BBI _____	Type: Gel Spacer
Average ISIP _____ 5 Min. _____	Actual TOC _____	Bump Plug PSI: _____	10 Min _____	15 Min _____	Load & Bkdn: Gal - BBI _____
					Excess /Return BBI _____
					Calc. TOC: _____
					Final Circ. PSI: _____
					Cement Slurry BBI _____
					Total Volume BBI _____
					272.80

CUSTOMER REPRESENTATIVE Buck Fogle SIGNATURE _____



SERVICE COMPANY: O-Tex
 TICKET NO: DC14021
 CUSTOMER NAME: Tapstone Energy
 WELL NAME: Roberts 22349 1H
 WELL LOCATION: Harper Kansas
 DATE RECORDED: 11/11/2014
 JOB NO: SOK 4466
 UNIT DESCRIPTION: Unit # 303
 UNIT NOTES: 7" Intermediate
 FILE NAME: Tapstone Energy_Roberts 22349 1H_14_11_11_#1.csv





Job Site Safety Meeting Attendance Sheet

Date: 11/10/2014

Job Site Leader: John Hall

Max Pressure: 5,000 psi PSI

Company - Lease - Well #: Tapstone Energy / Roberts 22-34-9 1H Ticket #: SOK 4466

Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Unit Type	Location	Company Name
---------------------------------------	-----------------	-------------	----------------	-----------	----------	--------------

1	John Hall	32336		Pickup	Fairview	O-Tex
2	Roy Morris		252316A	Pump	Fairview	O-Tex
3	Wallace Berry	73420	62674	Bulk	Fairview	O-Tex
4	Chris Looney	50292	62486	Bulk	Fairview	O-Tex
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Job Site Safety Leader: John Hall

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immediately.

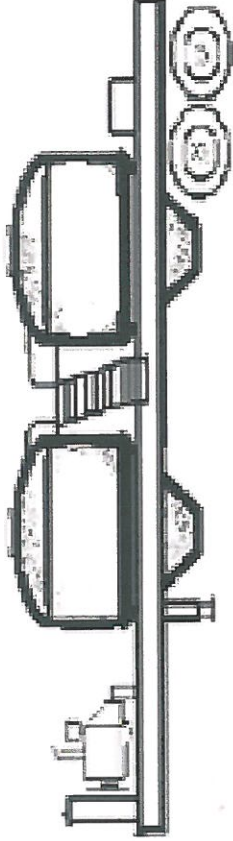
O-Tex Pumping LLC

Job Safety Analysis Worksheet		DATE:	11/10/2014
LEASE NAME AND JOB TYPE:		Roberts 22-34-9 1H Intermediate	JOB NUMBER: SOK 4466
EMPLOYEE NAME AND JOB TITLE:		John Hall 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:			

Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 4466	AFE/WORK ORDER DC14021	DATE 11/10/2014						
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 27/34S/9W	API 15-077-22098-01-00						
LEASE & WELL # Roberts 22-34-9 1H		COUNTY Harper	STATE Kansas	MILEAGE 100						
DIRECTIONS HWY 58 & STATE LINE- 4.5 MILES NORTH- 1 MILE EAST										
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	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
	7"	26#	LTC			YES	YES	YES	NO	40%
	Number and Type Units Pump Truck & Bulk Materials							Casing Depth	Hole Depth	Hole Size
Remarks TAKE 7" TOP & BOTTOM PLUG							Est. BHST	KOP	Depth-TVD	Mud Weight/Type
							155		4,626'	9.2ppg WBM
Materials	LEAD	# of Sacks	Type		Additives					
	33.11	130	50/50 POZ PREMIUM		4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.15% C-20 - 0.1% C-37 - 0.2% X-Air					
	H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk						
	21.45	13.60	1.43	6.93						
	TAIL	# of Sacks	Type		Additives					
	19.07	90	Premium		0.2% FL-17 - 0.1% C-51 - 0.15% C-20 - 0.2% X-Air					
	H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk						
	11.12	15.60	1.19	5.19						
		# of Sacks	Type		Additives					
		Weight PPG	Yield Ft3/Sk	Water Gal/Sk						
	ACID	Type		Additives						
	Inhibitor	Surfactant	clay cont.							
Spacer or Flush	Quantity	Type		Additives						
	30 bbls	Gel Spacer		900#s Bentonite Gel						
Displace	Quantity	Type		Additives						
Other	Quantity	Type		Additives						
Crew Called	Cementer		Pumper		Bulky		Bulky		Bulky	
CEOL	7" 8RD SWAGE, SW, DW, BALE RACK									
Sales Items	Casing Size	7"		Casing Weight	26#		Thread	LTC		
	Guide Shoe			Float Shoe			Float Collar	Insert Float Valve		
	Centralizers - Number			Size			Type			
	Wall Cleaners - Number			Type			MSC (DV Tool)	MSC Plug Set		
	Limit Clamps			Thread lock			Other			
	Remarks	TAKE 7" TOP & BOTTOM PLUG								
Customer Rep.	Buck		Cell Phone	713-7580636		Office Phone	Fax	Time of Call		
Call Taken By	Robert Burris							Date Ready	Location Time	
Crew Called								Yard Time	0	



Trailer Number: 73420/62674

Driver Name _____

Front Pot
LEAD

Cement 50/50 Class H/POZ
130 sks

Rear Pot
TAIL

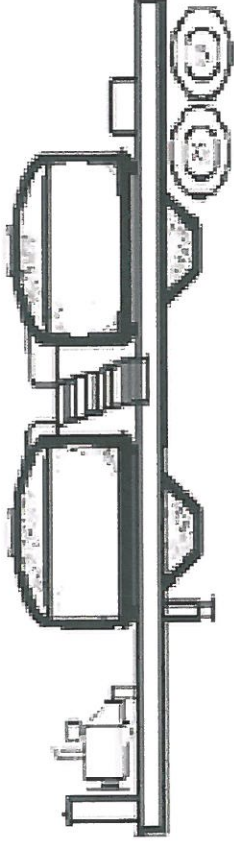
Cement CLASS H
90 sks

CEMENT ADDITIVES

4% GEL	.2% FL-17
.2% FL-17	.15% C-20
.15% C-20	.1% C-51
.1% C-37	.2% X Air P
.1% C-51	
.2% X Air P	

COMPANY: Tapstone DATE: 11/10/2014

LEASE: Roberts 22-34-9 1H TICKET: SOK 4466



Trailer Number: 50292/62486

Driver Name _____

Front Pot
SPACER

Cement _____
Gel Spacer _____
9 _____ sks

Rear Pot
EMPTY

Cement _____
_____ sks

CEMENT ADDITIVES

Bentonite	

COMPANY: Tapstone DATE: 11/10/2014

LEASE: Roberts 22-34-9 1H TICKET: SOK 4466

Tapstone
Roberts 22-34-9 1H
API# 15-077-22098-01-00

Vertical Section Azimuth @ 354.62 Degrees

Depth	Inc	Azm	TVD	N/-S	E/-W	VS	DLS
801.00	0.33	52.48	801	1.42	1.85	1.24	0.04
832.00	0.33	42.69	831.99	1.54	1.98	1.35	0.18
864.00	0.4	299.6	863.99	1.66	1.94	1.47	1.8
895.00	0.82	314.48	894.99	1.87	1.69	1.7	1.43
927.00	1.09	299.3	926.99	2.18	1.26	2.05	1.15
990.00	0.9	285.75	989.98	2.61	0.27	2.57	0.48
1053.00	1.19	299.28	1052.97	3.06	-0.78	3.12	0.6
1085.00	1.09	299.85	1084.96	3.37	-1.33	3.48	0.31
1179.00	0.94	291.08	1178.95	4.1	-2.82	4.34	0.23
1274.00	1.11	283.38	1273.93	4.59	-4.45	4.99	0.23
1368.00	1.17	278.32	1367.91	4.94	-6.29	5.51	0.12
1432.00	0.83	273.05	1431.9	5.06	-7.39	5.73	0.54
1463.00	0.6	288.67	1462.9	5.12	-7.77	5.83	0.97
1558.00	0.47	260.13	1557.9	5.22	-8.62	6	0.31
1652.00	0.35	223.94	1651.9	4.94	-9.2	5.78	0.29
1745.00	0.09	183.08	1744.89	4.67	-9.4	5.53	0.31
1839.00	0.28	165.77	1838.89	4.37	-9.35	5.23	0.21
1934.00	0.35	105.79	1933.89	4.07	-9.01	4.9	0.34
2028.00	0.28	112.39	2027.89	3.91	-8.52	4.69	0.09
2122.00	0.52	93.56	2121.89	3.79	-7.89	4.52	0.28
2216.00	0.56	106.3	2215.89	3.64	-7.03	4.28	0.13
2309.00	0.18	165.97	2308.88	3.37	-6.56	3.97	0.53
2405.00	0.3	245.15	2404.88	3.12	-6.75	3.74	0.34
2499.00	0.1	258.09	2498.88	3	-7.06	3.65	0.22
2593.00	0.1	31.79	2592.88	3.05	-7.09	3.7	0.19
2687.00	0.06	337.33	2686.88	3.16	-7.07	3.81	0.08
2781.00	0.28	310.22	2780.88	3.36	-7.27	4.03	0.25
2875.00	0.29	2.77	2874.88	3.75	-7.43	4.43	0.27
2969.00	0.2	5.72	2968.88	4.15	-7.41	4.83	0.1
3062.00	0.25	31.78	3061.88	4.48	-7.28	5.14	0.12
3157.00	0.46	16.12	3156.88	5.02	-7.07	5.66	0.24
3251.00	0.46	38.09	3250.87	5.68	-6.73	6.28	0.19
3345.00	0.33	39.58	3344.87	6.18	-6.33	6.75	0.13
3440.00	0.28	74.66	3439.87	6.46	-5.93	6.98	0.2
3534.00	0.69	342.8	3533.87	7.06	-5.87	7.58	0.8
3628.00	0.49	354.64	3627.86	8	-6.08	8.54	0.25
3724.00	0.59	44.46	3723.86	8.77	-5.77	9.27	0.49

3787.00	0.7	47.93	3786.85	9.26	-5.25	9.71	0.17
3818.00	1.87	12.59	3817.85	9.88	-5	10.3	4.4
3850.00	4.64	6.94	3849.79	11.67	-4.73	12.06	8.69
3882.00	7.98	4.2	3881.59	15.17	-4.41	15.52	10.49
3914.00	10.37	0.71	3913.18	20.27	-4.22	20.57	7.66
3945.00	12.85	359.44	3943.55	26.51	-4.21	26.78	8.04
3976.00	14.41	358.44	3973.67	33.81	-4.35	34.07	5.08
4008.00	16.12	357.66	4004.54	42.23	-4.64	42.48	5.4
4040.00	18.04	357.58	4035.13	51.62	-5.03	51.86	5.99
4072.00	19.86	356.29	4065.39	61.99	-5.6	62.24	5.84
4103.00	22.4	356.42	4094.31	73.14	-6.3	73.41	8.2
4135.00	25.34	355.07	4123.57	86.05	-7.27	86.36	9.34
4166.00	28.53	352.88	4151.2	100.01	-8.76	100.39	10.79
4198.00	30.93	351.71	4178.99	115.74	-10.89	116.25	7.7
4230.00	33.48	351.84	4206.06	132.61	-13.33	133.28	7.97
4261.00	35.66	351.89	4231.59	150.03	-15.82	150.85	7.05
4293.00	37.69	352	4257.25	168.95	-18.5	169.94	6.34
4324.00	40.27	351.98	4281.35	188.26	-21.22	189.42	8.33
4355.00	42.23	352.76	4304.65	208.52	-23.93	209.84	6.54
4387.00	44.06	353.95	4328	230.25	-26.46	231.72	6.26
4418.00	45.97	354.49	4349.91	252.06	-28.66	253.64	6.27
4449.00	47.75	354.86	4371.11	274.59	-30.76	276.26	5.83
4480.00	49.89	354.61	4391.52	297.82	-32.9	299.59	6.93
4511.00	53.14	354.14	4410.81	321.97	-35.29	323.86	10.56
4543.00	56.13	354.06	4429.33	347.92	-37.97	349.95	9.32
4575.00	58.36	354.23	4446.64	374.69	-40.71	376.86	6.99
4606.00	61.36	354.43	4462.2	401.36	-43.36	403.66	9.69
4637.00	63.15	354.37	4476.64	428.67	-46.04	431.1	5.79
4669.00	63.33	354.39	4491.04	457.1	-48.84	459.67	0.55
4700.00	63.22	354.33	4504.98	484.66	-51.56	487.36	0.38
4731.00	63.16	354.32	4518.97	512.19	-54.3	515.02	0.21
4762.00	63.11	354.16	4532.98	539.7	-57.07	542.68	0.5
4794.00	63.26	354.24	4547.41	568.12	-59.96	571.23	0.52
4825.00	63.38	354.26	4561.33	595.68	-62.74	598.93	0.4
4856.00	63.93	354.97	4575.09	623.33	-65.34	626.71	2.71
4887.00	66.83	355.79	4588	651.42	-67.61	654.89	9.69
4918.00	69.63	355.95	4599.5	680.13	-69.68	683.67	9.02
4949.00	72.83	355.3	4609.47	709.39	-71.92	713.01	10.51
4981.00	76.59	354.5	4617.91	740.13	-74.67	743.87	12.01
5012.00	80.36	353.82	4624.1	770.34	-77.76	774.24	12.34
5092.00	87.94	354.78	4632.25	849.48	-85.65	853.76	9.55
5124.00	91.33	353.5	4632.46	881.3	-88.91	885.76	11.32
5155.00	91.3	353.79	4631.75	912.1	-92.35	916.74	0.92
5187.00	91.23	354.03	4631.04	943.92	-95.74	948.73	0.80
5219.00	91.05	354.12	4630.4	975.74	-99.04	980.73	0.63
5250.00	90.83	354.86	4629.9	1006.59	-102.02	1011.72	2.47
5313.00	90.22	355.07	4629.32	1069.34	-107.54	1074.72	1.03

5376.00	89.85	355.85	4629.29	1132.15	-112.53	1137.71	1.37
5439.00	90.52	355.1	4629.08	1194.95	-117.5	1200.7	1.61
5502.00	91.11	354.27	4628.18	1257.67	-123.33	1263.69	1.61
5565.00	90.9	354.14	4627.08	1320.34	-129.69	1326.68	0.4
5629.00	90.22	354.44	4626.46	1384.02	-136.06	1390.68	1.16
5692.00	90.52	353.62	4626.05	1446.68	-142.61	1453.67	1.39
5755.00	90.03	353.84	4625.75	1509.3	-149.49	1516.66	0.85
5815.00	91.02	353.36	4625.2	1568.92	-156.18	1576.65	1.82
5875.00	89.51	353.37	4624.92	1628.52	-163.11	1636.64	2.52
5935.00	89.26	353.07	4625.57	1688.09	-170.2	1696.61	0.64
5995.00	91.26	353.28	4625.29	1747.66	-177.33	1756.59	3.36
6055.00	89.94	352.8	4624.67	1807.22	-184.6	1816.56	2.35
6115.00	90.77	354.94	4624.29	1866.87	-191.01	1876.55	3.82
6175.00	88.65	354.78	4624.6	1926.62	-196.38	1936.55	3.55
6235.00	89.69	356.65	4625.47	1986.44	-200.86	1996.53	3.56
6295.00	90.31	358.02	4625.47	2046.38	-203.65	2056.46	2.51
6356.00	90.8	356.77	4624.88	2107.31	-206.43	2117.38	2.2
6416.00	90.22	355.65	4624.35	2167.18	-210.39	2177.36	2.11
6476.00	90.55	355.09	4623.94	2226.98	-215.23	2237.35	1.1
6536.00	89.85	354.3	4623.73	2286.72	-220.78	2297.35	1.76
6595.00	90.65	353.85	4623.48	2345.4	-226.86	2356.34	1.56
6655.00	91.17	353.15	4622.53	2405.01	-233.65	2416.32	1.46
6716.00	90.83	352.96	4621.46	2465.55	-241.03	2477.29	0.64
6776.00	90.15	354.29	4620.95	2525.18	-247.7	2537.28	2.48
6837.00	89.91	354.37	4620.92	2585.88	-253.73	2598.28	0.43
6897.00	90.68	355	4620.61	2645.62	-259.29	2658.28	1.66
6957.00	90.74	354.62	4619.87	2705.37	-264.71	2718.27	0.63
7018.00	90.12	355.13	4619.41	2766.12	-270.16	2779.27	1.31
7078.00	89.85	355.82	4619.42	2825.94	-274.89	2839.26	1.23
7138.00	89.63	356.08	4619.69	2885.79	-279.12	2899.24	0.57
7198.00	90.06	356.06	4619.85	2945.64	-283.24	2959.22	0.72
7258.00	89.91	356.19	4619.87	3005.51	-287.29	3019.2	0.33
7318.00	91.11	356.2	4619.34	3065.37	-291.27	3079.18	2
7378.00	90.43	356.39	4618.53	3125.24	-295.15	3139.15	1.17
7438.00	90.28	356.16	4618.16	3185.11	-299.05	3199.12	0.45
7500.00	90.15	355.81	4617.92	3246.96	-303.39	3261.1	0.6
7559.00	90.49	355.4	4617.59	3305.79	-307.91	3320.09	0.91
7622.00	89.88	355.39	4617.39	3368.58	-312.97	3383.09	0.97
7685.00	90.92	354.83	4616.95	3431.35	-318.34	3446.08	1.88
7748.00	90.71	354.9	4616.05	3494.09	-323.98	3509.07	0.36
7811.00	89.91	353.88	4615.71	3556.79	-330.13	3572.07	2.06
7874.00	89.63	354.35	4615.96	3619.45	-336.59	3635.07	0.87
7937.00	89.82	353.55	4616.27	3682.1	-343.23	3698.06	1.31
8000.00	91.6	353.41	4615.49	3744.69	-350.38	3761.04	2.85
8063.00	91.02	352.16	4614.05	3807.17	-358.29	3823.99	2.2
8126.00	90.03	352.9	4613.47	3869.63	-366.48	3886.95	1.96
8189.00	89.17	353.27	4613.91	3932.17	-374.06	3949.92	1.49

8252.00	88.83	353.44	4615.01	3994.74	-381.34	4012.9	0.6
8315.00	89.14	354.39	4616.13	4057.37	-388.02	4075.88	1.59
8378.00	89.04	354.68	4617.13	4120.08	-394.02	4138.87	0.49
8441.00	91.66	355.41	4616.74	4182.84	-399.46	4201.86	4.31
8504.00	91.11	355.59	4615.22	4245.62	-404.41	4264.84	0.93
8567.00	90.99	355.03	4614.07	4308.4	-409.56	4327.82	0.91
8630.00	90.89	355.32	4613.03	4371.17	-414.86	4390.81	0.48
8693.00	91.76	356.41	4611.58	4433.99	-419.4	4453.78	2.2
8755.00	90.83	356.6	4610.18	4495.86	-423.18	4515.73	1.53
8819.00	89.32	356.16	4610.09	4559.73	-427.22	4579.7	2.45
8882.00	90.22	356.91	4610.35	4622.61	-431.03	4642.66	1.84
8944.00	90.03	356.73	4610.21	4684.51	-434.47	4704.61	0.42
9008.00	89.63	356.54	4610.4	4748.4	-438.23	4768.57	0.69
9070.00	90.49	355.98	4610.34	4810.27	-442.27	4830.55	1.66
9133.00	90.62	355.88	4609.73	4873.11	-446.75	4893.53	0.25
9196.00	91.76	356.79	4608.42	4935.96	-450.78	4956.48	2.32
9259.00	91.91	356.52	4606.4	4998.82	-454.46	5019.41	0.49
9329.00	92.65	356.58	4603.62	5068.64	-458.66	5089.32	1.06
9380.00	92.65	356.58	4601.26	5119.5	-461.7	5140.23	0.01

Motor Yield

12.5
8.7
10.5
7.67
9.23
6
6.88
6.85
6.43
8.19
9.34
12.36
9.88
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11
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N/A
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N/A

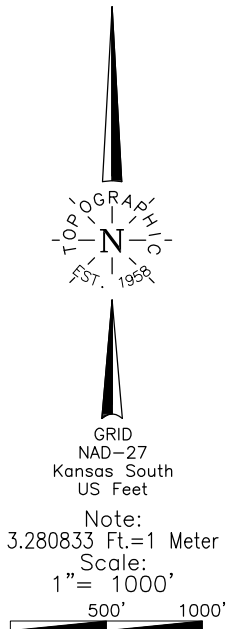
TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2015

HARPER

County, Kansas

200'FNL-1590'FEL Section 27 Township 34S Range 9W P.M.



X 2060530
Y 150488

X 2063192
Y 150484

X 2065854
Y 150481

BOTTOM HOLE (9380' MD)
 389'FNL-1955'FEL (SEC 22)
 389'FNL-707'FWL (UNIT LINE)
 37°04'43.2" N
 98°16'51.4" W
 37.078670801° N
 98.280955768° W
 X= 2063906
 Y= 150094

X 2060570
Y 147834

X 2065902
Y 147839

PENETRATION POINT (4912' MD)
 475'FSL-1646'FEL (SEC 22)
 475'FSL-1024'FWL (UNIT LINE)
 37.066460674° N
 98.279646723° W
 X= 2064298
 Y= 145650

TOP PERF (5070' MD)
 628'FSL-1658'FEL (SEC 22)
 628'FSL-1013'FWL (UNIT LINE)
 37.066881366° N
 98.279694150° W
 X= 2064284
 Y= 145803

X 2060609
Y 145167

X 2063282
Y 145173

X 2065954
Y 145179

200'FNL-1590'FEL

X 2060647
Y 142520

X 2065999
Y 142540

ELEVATION:
 1269' Gr. at stake

X 2060685
Y 139875

X 2063365
Y 139887

X 2066044
Y 139901

Operator: TAPSTONE ENERGY
 Lease Name: ROBERTS 22-34-9
 Topography & Vegetation: Location fell in level pasture ±230' West of fence N-S & 210' East of low drainage area.
 Good Drill Site? Yes
 Best Accessibility to Location: From North off county road.
 Distance & Direction from Hwy Jct or Town: From Road 295 at State Line, go North ±4.5 miles, then ±1 mile East to the NE corner of Section 27, T34S-R9W.
 Reference Stakes or Alternate Location: Stakes Set None

DATUM: NAD-27
 LAT: 37°03'52.6"N
 LONG: 98°16'45.9"W
 LAT: 37.064607582°N
 LONG: 98.279414772°W
 STATE PLANE COORDINATES (US FEET):
 ZONE: KS SOUTH
 X: 2064367
 Y: 144975

236892 Date of Drawing: Dec. 01, 2014
 Invoice # 230410 Date Staked: Sep. 25, 2014 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY TAPSTONE ENERGY