

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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MWD
SURVEYS

Customer: Tapstone Energy
Well: Diel Farms 15-34-9 #2H
Field/Block: Hibbord
Co./Parish: Harper Co.
State: KS

PGS Job #: LKS6120116
MWD Operator: Jeffery Treille
Directional Driller: Ronny Hedrick
Date of First Survey: January 5, 2016
Date of Last Survey:



Total Correction: 4.00 East Grid

Vertical Section Plane: 1.71 Nominal Dip Angle: 65.28 Magnetic Field Strength: 0.516

Measured		Coordinates				Closure						Vib/Shk			
Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W	Dist.	Angle	DLS	Mtr Yield	BRN	Temp (°F)	Color	Date	Time

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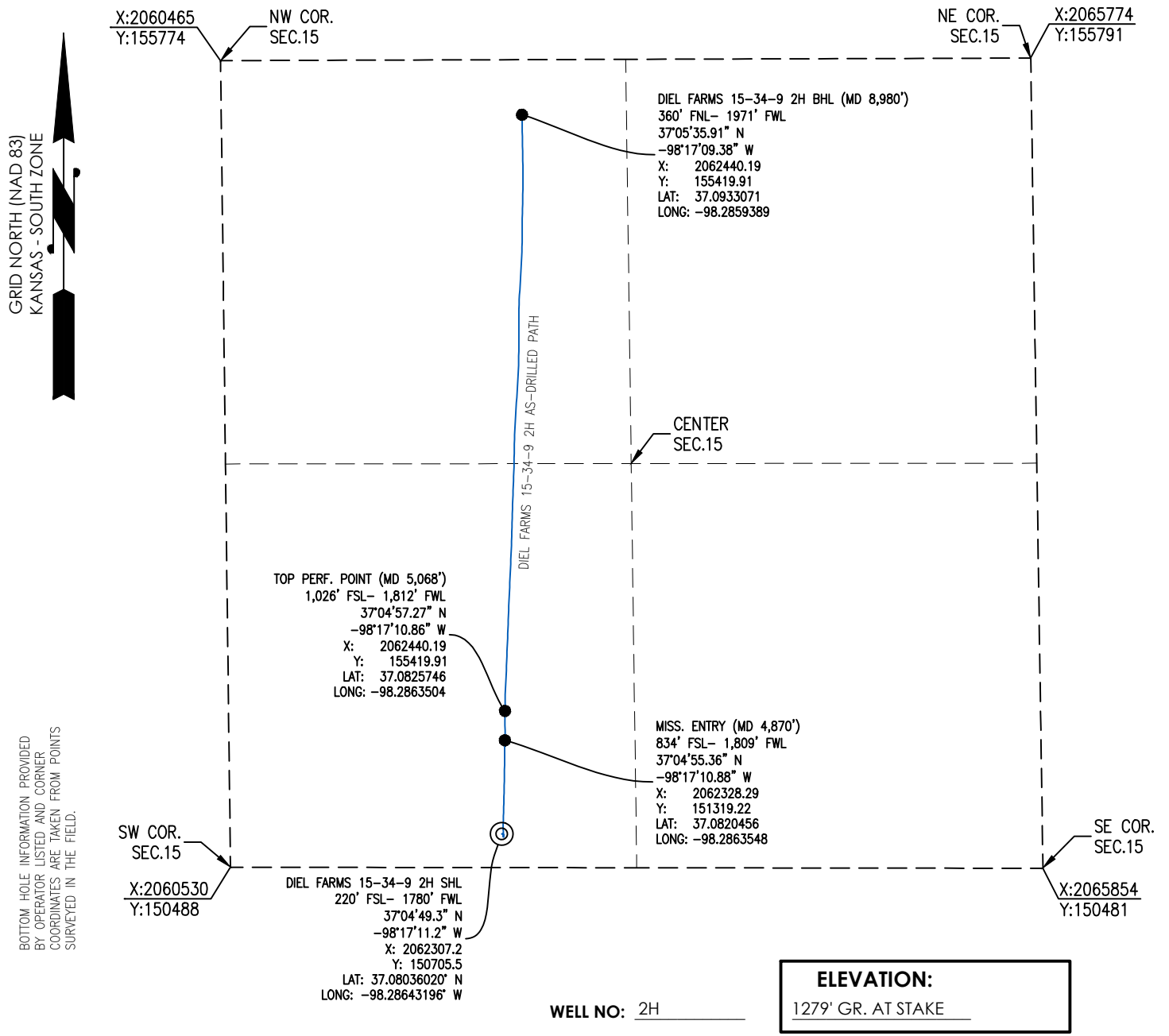
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Crafton Tull
 SURVEYING

HARPER COUNTY, KANSAS
 220' FSL- 1780' FWL SECTION 15 TOWNSHIP 34S RANGE 09W 6TH P.M.



OPERATOR: TAPSTONE ENERGY

LEASE NAME: DIEL FARMS 15-34-9

TOPOGRAPHIC & VEGETATION: LOCATION FELL IN A FIELD

BEST ACCESSIBILITY TO LOCATION: SOUTH OR WEST LINE

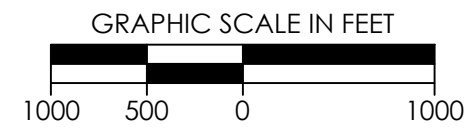
DISTANCE & DIRECTION
FROM HWY JCT OR TOWN: FROM THE JCT. OF KS-58 (SW 140 AVE) & SW 80 RD (±7.0 MILES
SOUTHEAST OF HAZELTON, KS), TRAVEL NORTH ON KS-58 (SW 140 AVE) ±3.0 MILES TO
SW 50 RD TO THE SOUTHEAST CORNER OF SECTION 15, T34S-R09W.

(THE FOLLOWING INFORMATION WAS GATHERED USING A GPS RECEIVER ACCURACY ±2.3 METERS)

GPS DATUM: NAD-27
LAT: 37.08036020° N
LONG: -98.28643196° W

STATE PLANE COORDINATES:
ZONE: KS-SOUTH NAD-27
X: 2062307.2
Y: 150705.5

GENERAL NOTES:
 THE TIES AND FOOTAGES SHOWN ON THIS PLAT ARE FROM LINES OF OCCUPATION FROM A SURVEY MADE ON THE GROUND AND / OR BEARING AND DISTANCES FROM THE GENERAL LAND OFFICE PLAT OF THE AREA SHOWN AND MAY NOT BE THE ACTUAL PROPERTY CORNERS. THIS PLAT **DOES NOT** REPRESENT A TRUE BOUNDARY SURVEY. DRILL SITE CONDITION DETERMINATIONS WERE MADE BY TAPSTONE ENERGY REPRESENTATIVES.



REVISION	<p>"DIEL FARMS 15-34-9 2H" PART OF OF SECTION 15, T-34-S, R-09-W AS-DRILLED PLAT HARPER COUNTY, KANSAS</p>		
	SCALE: 1" = 1000'	DRAWN BY: J.PARKER	SHEET NO.: 1 OF 1

JOB SUMMARY			PROJECT NUMBER SOK 5528	TICKET DATE 01/04/16
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP 0	
LEASE NAME Diel Farms 15-34-9	Well No. 2H	JOB TYPE Surface	EMPLOYEE NAME Mike Hall	

EMP NAME					
Mike Hall		0			
Joe Colonnese					
Donnie Brown					
0.00					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **800**

Date	Called Out 1/4/2016	On Location 1/4/2016	Job Started 1/4/2016	Job Completed 1/4/2016
Time		1700	2009	2130

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	36#	9 1/2"		Surface	800
Liner					
Liner					
Tubing		0			
Drill Pipe					
Open Hole		12 1/4"		Surface	800
Perforations					
Perforations					
Perforations					

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water 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	
1/4	4.0	1/4	1.0	Surface
Total	4.0	Total	1.0	

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

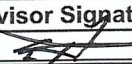
Pressures	
MAX 1,500 PSI	AVG. 200
Average Rates in BPM	
MAX 6 BPM	AVG 4.5
Cement Left in Pipe	
Feet 44'	Reason SHOE JOINT

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives			
1	470	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	0	6.34	14.80
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	10.00
	MAXIMUM	Load & Bkdn: Gal - BBI	N/A
	Lost Returns-N	Excess /Return BBI	40
	Actual TOC	Calc. TOC:	SURFACE
Average	Bump Pluq PSI:	Final Circ. PSI:	300
ISIP 5 Min.	10 Min	Cement Slurry BBI	112.0
	15 Min	Total Volume BBI	183.00

CUSTOMER REPRESENTATIVE Bob Quay SIGNATURE _____

JOB LOG				PROJECT NUMBER SOK 5528	TICKET DATE 01/04/16
COMPANY Tapstone Energy		COUNTRY USA		STATE Kansas	COUNTY Harper
LEASE NAME Well No. Diel Farms 15-34-9 2H		EMPLOYEE NAME Mike Hall		CUSTOMER REP	
FIELD 15-34S/9W		SEC / TWP / RNG 15/34S/9W		TICKET AMOUNT 7,845.95	
API/UWI # 15-077-22161-01-00		JOB PURPOSE Surface		WELL TYPE Oil & Gas	

	Time	Rate (BPM)	Volume (BBL)(GAL)	Press.(PSI)		Job Description / Remarks
				CSG.	Tbg	
1/4/2016	1700					Arrived On Location
	1730					Safety Meeting
	2009			2,000		Test Pumps & Lines
	2011	4.0	10	50		Pump Fresh Water Spacer
	2013	5.5	112.0	250		Mix & Pump Cement @ 14.8ppg.
	2030					Shut Down/Drop Plug
	2035	5.5		250		Start Displacement
	2045	3.0	52.0	300		Slow To Land Plug
	2049	3.0	61.0	800		Land Plug
	2055					Check Floats W/ 1/4bbl. Back
1/4/2016	2130					Job Complete
						40bbbls. Cement Back To Pits
						Supervisor Signature
Bumped	Final lift	Floats	PSI ON			X 
Plug	Psi	Held	CSG	CEMENT		
YES	300	YES	800.0	SURFACE		

JOB SUMMARY

COUNTY		State	COMPANY	PROJECT NUMBER	TICKET DATE
Harper		Kansas	Tapstone Energy	SOK 5536	01/09/16
LEASE NAME		Well No.	JOB TYPE	CUSTOMER REP	
Diel Farms 15-34-9		2H	Intermediate	0	
EMP NAME		EMPLOYEE NAME			
Joseph Klemm		Joseph Klemm			

Joseph Klemm	0				
Cody Bonitz					
Jared Green					
0.00					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5068**

Date	Called Out	On Location	Job Started	Job Completed
	1/9/2016	1/9/2016	1/9/2016	1/9/2016
Time	1000	1215	1300	1800

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
Casing		26#	7"		Surface	5,068
Liner						5,000
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 3/4"		Surface	5,068
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Mudwash BBL.		20 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			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/9	6.0	1/9	5.0	Intermediate
Total	6.0	Total	5.0	

MAX	5,000 PSI	AVG.	450
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	86	Reason	SHOE JOINT

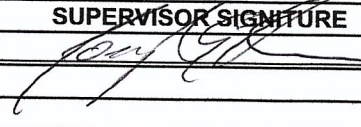
Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	140	50/50 Poz Premium	4% Gel - 0.4% FL-17	6.89	1.43	13.60
2	90	Premium H	0.4% FL-17	5.31	1.18	15.60
3	0	0		0	0.00	0.00
				0	0.00	0.00

Summary					
Preflush Breakdown	_____	Type: MAXIMUM	Preflush: BBI	20.00	Type: Mudwash
		5,000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		NO/FULL	Excess /Return BBI	N/A	Calc. Disp Bbl 191
Average		3,128	Calc. TOC:	3,128	Actual Disp. 191.00
ISIP 5 Min.	10 Min.	15 Min.	Final Circ. PSI:	760	Disp:Bbl 19.00
			Cement Slurry BBI	54.5	
			Total Volume BBI	265.50	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB LOG

JOB LOG			PROJECT NUMBER SOK 5536	TICKET DATE 01/09/16
COMPANY Tapstone Energy		COUNTRY USA	STATE Kansas	COUNTY Harper
LEASE NAME Diel Farms 15-34-9 2H	Well No. 15/34S/9W	EMPLOYEE NAME Joseph Klemm	CUSTOMER REP	
FIELD 15-077-22161-01-00		SEC / TWP / RNG 15/34S/9W	TICKET AMOUNT 6,847.23	WELL TYPE Oil & Gas
API/UWI # 15-077-22161-01-00		JOB PURPOSE Intermediate		

	Time	Rate (BPM)	Volume (BBL)(GAL)	Press.(PSI)		Job Description / Remarks
				CSG.	Tbg	
1/9/16	1000					TIME ARRIVED IN YARD
	1010					Fit for duty meeting
	1050					Headed to location from yard!
	1215					Arrive on location
	1230					Safety meeting
	1300					Rig up
	1530					Safety meeting
	1605					Drop bottom plug
	1607			5000		Pressure test
	1609	4.0	20.0	220		Start mudwash spacer
	1614	5.0	35.6	420		Start lead cement @ 13.6/ppg
	1622	3.0	18.9	120		Start tail cement @ 15.6/ppg
	1634					Drop top plug
	1635	6.5		160		Start H2O displacement
	1651	7.0	100.0	450		Check rate and pressure
	1656	3.0	125.0	180		Slow pump rate to burst bottom plug
	1659	7.0	134.0	550		Increase pump rate
	1703	5.5	160.0	660		Slow pump rate
	1707	3.0	180.0	760		Slow to land plug
	1709	3.0	191.0	1300		Land plug
	1711		1.0			Test floats
	1715					Rig down
	1800					Leave location
Bumped Plug	Final lift	Floats	PSI ON	CEMENT	SURFACE	SUPERVISOR SIGNATURE 
YES	760	YES	1300.0	No	X	