

Co	nfiden	tiality	/ Requested:
	Yes	N	lo

Kansas Corporation Commission Oil & Gas Conservation Division

1212769

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW □ 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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
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 #:	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:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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:



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot		
		otain Geophysical Data a or newer AND an image		ogs must be ema	illed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth ar		Sample
Samples Sent to Geol	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD N	ew Used			
		Report all strings set-			ion, 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 / SQI	JEEZE RECORD	<u> </u>	1	
Purpose: Perforate Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Back TD Plug Off Zone							
	ulic fracturing treatment of	n this well? aulic fracturing treatment ex	roed 350 000 gallons	Yes		p questions 2 ar	nd 3)
		submitted to the chemical of	=	Yes	= ' '	out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cement		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:			
TODING RECORD.	OILG.	Jet At.	i aunei Al.		Yes No		
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth	nod:	Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bbls. Gas	Mcf Wat	er B	bls. C	as-Oil Ratio	Gravity
DISPOSITION Vented Sold	ON OF GAS:	N Open Hole	METHOD OF COMPL		mmingled	PRODUCTIO	DN INTERVAL:
	bmit ACO-18.)	Other (Specify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Tapstone Energy, LLC
Well Name	CHAIN LAND 3509 1-2H
Doc ID	1212769

Casing

Purpose Of String		Size Casing Set	Weight	Setting Depth	Cement		Type and Percent Additives
Surface	12.250	9.625	36	812		405	
Intermedia te	8.750	7.000	26	5388		230	
Liner	6.125	4.500	11.6	11600		375	

CEMENTING LOG



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Cementing Job Summary

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			O ₁		повесе		∄ 48.0∂ fruom	Left In Pipe	Cement
			(848)	817101)	GAL PAIL	9 '6-∃8) gal/Mgal	06.0
			(2009603)	01) JIA9	GALLON	CLA-WEB, 5		lagM\lag	
				££.8	ldd	7.881	Displacement	Displacement BE-9 +	3
xiM lstoT Fluid IsĐ	Rate im\ldd n	Mix Fluid Gal	Yield ft3/sack	Mixing Density Ibm/gal	MoU (jD	Qty	Fluid Name	Stage Type	# pini-
			-		FRESH W			.32 Gal	<u></u>
				ATER	LKESH W			IDO 70:	,
*	(+0000	0001)		00001) H	SAYJA A	XIMZOA		1.50 lbm 1.32 Gal	
	(18980)	0001)	E I' BNFK	9VT 90 00001) H	SS A REG	SAD - GAAC	CMT - STANI		ヤ
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Muther Sem

HALLIBURTON

HALLIBURTON ENERGY INSTITUTE

Tapstone Chain Land 1-2H liner

Case 1

Event 1	Type Seq.	3.1 Job
Call Out	a. Activity	Job Event Log
Call Out	Graph Label	
6/11/2014	Date	
6/11/2014 20:00:00	Time	
USER	Source	
	Pass-Side Pump Pressure (psi)	
	Downhole Density (ppg)	
	Combined Pump Rate (bbl/min)	
	Comment	

Event 1 Call Out Call Out 6/11/2014 20:00:00 USER Event 2 Pre-Convoy Safety Meeting Pre-Convoy Safety Meeting 6/11/2014 23:00:00 USER Event 3 Service Center or Other Site 6/11/2014 23:15:00 USER Event 4 Arrive At Loc Arrive At Loc 6/12/2014 01:30:00 USER Event 5 Pre-Rig Up Safety Meeting Pre-Rig Up Safety Meeting 6/12/2014 02:00:00 USER Event 6 Rig-Up Equipment Rig-Up Equipment 6/12/2014 02:00:00 USER Event 7 Pre-Job Safety Meeting Pre-Job Safety Meeting 6/12/2014 03:45:00 USER Event 8 Rig-Up Completed 6/12/2014 03:54:00 USER	
	0.00
t 1 Call Out Call Out 6/11/2014 20:00:00 t 2 Pre-Convoy Safety Pre-Convoy Safety Meeting Meeting 6/11/2014 23:00:00 Depart Location for Depart Location for Service Center or Other 6/11/2014 23:15:00 Other Site 4 Arrive At Loc Arrive At Loc 6/12/2014 01:30:00 Pre-Rig Up Safety Pre-Rig Up Safety Meeting Meeting Meeting Meeting 6/12/2014 02:00:00	0.00
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1 Call Out Call Out 6/11/2014 20:00:00	M

Page 5

Event

10

Pump Spacer 1

Pump Spacer 1

6/12/2014 04:10:08 COM7

12.00

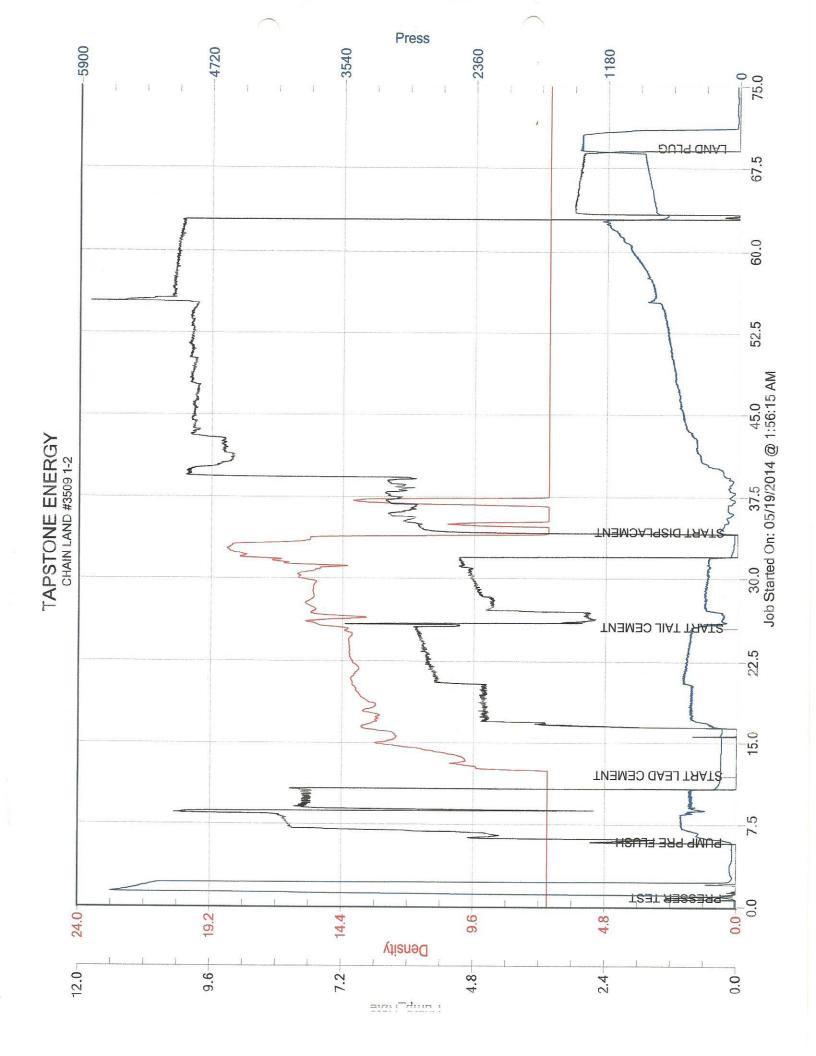
8.39

1.80

30 BBL OF TUNE 3 SPACER AT 9.2 LB/GAL AND WE

HAD 63 PSI

Created: Thursday, June 12, 201 iCem® Service



Karen Roffey 06/02/2014



Tapstone Energy(US Feet) Chain Land 3509 #1-2H Harper County, Ks **Final**



Surface Location Ground Elevation: 1250.0 RKB2 @ 1266.0usft (Nomac 14) +N/-S +E/-W **Easting** Slot Northing Latittude Longitude 129490.00 2072396.00 37° 1' 19.291 N 98° 15' 7.360 W 0.0 0.0

tapstone

3000

1500

Nomac 14

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)

Ellipsoid: Clarke 1866

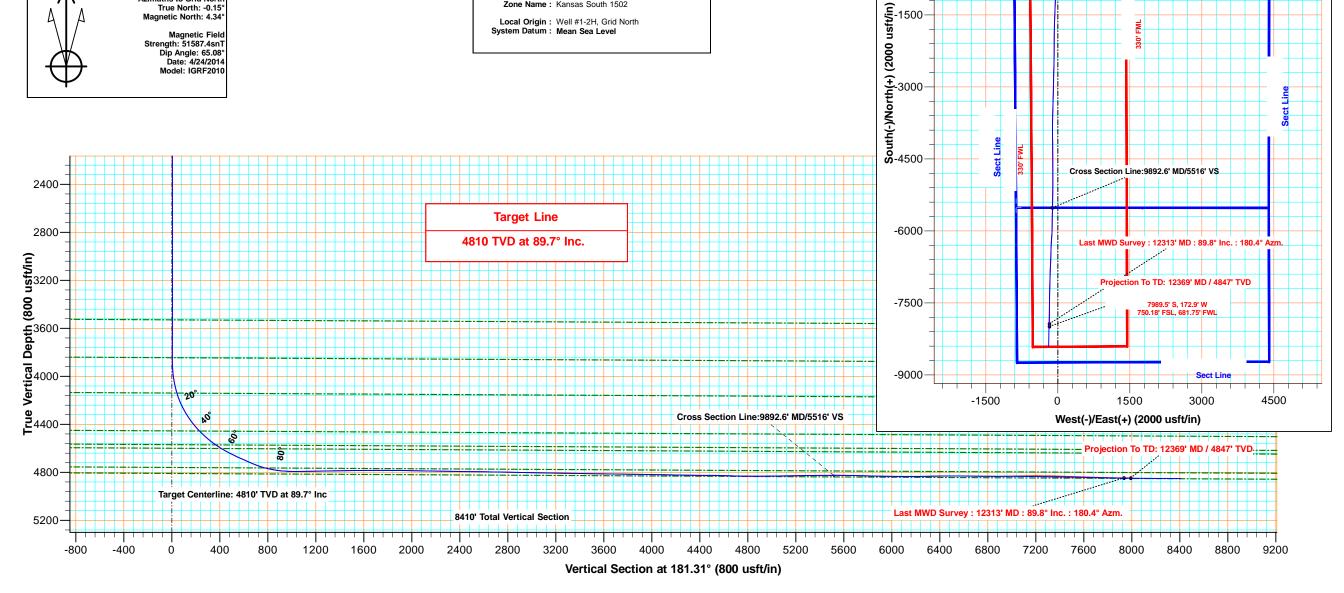
Zone Name: Kansas South 1502

Local Origin: Well #1-2H, Grid North System Datum: Mean Sea Level



Azimuths to Grid North True North: -0.15° Magnetic North: 4.34° Magnetic Field

Strength: 51587.4snT Dip Angle: 65.08° Date: 4/24/2014 Model: IGRF2010



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 225'FSL-911'FWL <u>35Ś</u> Township 9W Section P.M Range A boundary survey of the said section(s) shown hereon was <u>not</u> performed per the request of the operator shown hereon. X= 2071473 Y= 131912 X= 2076798 Y= 131898 1 HARDLINE Q G R 4 8/2 - P - N - 5 330' HARDLINE 330, 2419' GRID NAD-27 Kansas South US Feet 911'-225' Note: 3.280833 Ft.=1 Meter Scale: 1"= 1000' 0' 500' 1000 PENETRATION POINT (5118' MD) SEC 12 522'FNL-882'FWL 37.019975540' N 98.252132811' W X= 2072372 Y= 128744 2074143 129265 X= 2071486 Y= 129266 X= 2076798 Y= 129256 1000 Lease Name: Best Acc Distance Good from Operator: opography on n 1-T35S-R9W TOP PERF (5400' 799'FNL-865'FWL 37.019212495' N 98.252186378' W X= 2072357 Y= 128466 9 n Hwy Accessibility Drill St. Hwy ∞ & Direction Jct or Tov Site? TAPSTONE & Vegetation CHAIN 58 Town ţ ENERGY σ LAND Location new es From 3509 Loc. 12 lease fell Jct. road, HARDLINE (As-Drilled) HARDLINE at of level South then ş 330, 330, Stakes Reference 1-2H existing off go 3509 East 58 lease Set Stakes or None pad 8 Chain Land ±2.1 Oklahoma + WeⅡ ∄. 9 10, No:: X= 2076792 Y= 123975 Alternate NE-WS æ Kansas of 9 n existing 1-2H Location lease State BOTTOM PERF (11500' MD) SEC 13 1619'FSL-693'FWL 37.002469696' N 98.252677127' W X= 2072230 Y= 122369 road **∀**e⊟ Line, head ELEVATION: 1250' Gr. at Ó go WS North corner BOTTOM HOLE (12369' MD) 750'FSL-681'FWL (SEC 13) 37'00'00.3" N 98'15'09.7" W 37.000084101' N 98.252707918' W X= 2072223 Y= 121501 0 level of. 75 Section pad ∄. 13 2071546 120748 2076801 120766 330' HARDLINE County Line \S<u>ta</u>te_Line_**KANSAS** HARPER_CO ALFALFA CO. OKLAHOMA 227364 Date of Drawing: was receiver accuracy.) NAD-27 37°01'19.3" Jul. 16, 2014 DATUM:_ JΡ 220478 Date Staked: Apr. 16, 2014 Invoice # LAT: LONG: 98°15'07.4" W

LAT: 37.022025199° N LONG: 98.252043197° W

STATE PLANE COORDINATES: KS SOUTH ZONE: _ 2072396 Χ:

129490

is information with a GPS refoot Horiz./Vert. a

This i gathered with ±1 foc

AS-DRILLED INFORMATION

FINAL AS-DRILLED PLAT

FURNISHED BY TAPSTONE ENERGY