Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1210268

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 # 34272
Name: Outlaw Well Service LLC
Address 1: 1408 WEST 42ND
Address 2:
City: HAYS State: KS Zip: 67601 + __ __ __ __
Contact Person: PRESTON WOLF
Phone: (785) 650-2399
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: STEVE REED
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 #:

5/28/2014	6/2/2014	6/2/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22950-00-00
Spot Description:
NW NE SW NW Sec. 8 Twp. 11 S. R. 24 ☐ East ☑ West
1400 Feet from ☑ North / ☐ South Line of Section
692 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Trego
Lease Name: Wolf Well #: 1
Field Name:
Producing Formation: NONE
Elevation: Ground: 2317 Kelly Bushing: 2322
Total Vertical Depth: 4000 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 216 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: 39000 ppm Fluid volume: 800 bbls
Dewatering method used: Evaporated

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: 06/14/2014
☑ **Confidential Release Date:** 06/13/2016
☐ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 06/16/2014

[redacted] 1210268

Operator Name: Outlaw Well Service LLC Lease Name: Wolf Well #: 1

Sec. 8 Twp. 11 S. R. 24 ☐ East ☑ West County: Trego

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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
SURFACE	12.25	8.625	23	216	COMMON	150	2%GEL 3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Outlaw Well Service LLC
Well Name	Wolf 1
Doc ID	1210268

Tops

Name	Top	Datum
ANHYDRITE	1939	+383
TOPEKA	3410	-1088
HEEBNER SHALE	3626	-1304
TORONTO	3652	-1330
LKC	3664	-1342
BKC	3904	-1582
MARMATON	3950	-1628
RTD	4000	-1678

Form	ACO1 - Well Completion
Operator	Outlaw Well Service LLC
Well Name	Wolf 1
Doc ID	1210268

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	23	216	COMMON	150	2%GEL 3%CC

OPERATOR

Company:	OUTLAW WELL SERVICE, LLC		
Address:	1408 WEST 42ND HAYS, KS 67601		
Contact Geologist:	PRESTON WOLF		
Contact Phone Nbr:	785-650-2399		
Well Name:	WOLF #1		
Location:	NW NE SW NW S8 T11S R24W		
API:	15-195-22950-00-00		
Pool:		Field:	TIDBALL EAST
State:	KANSAS	Country:	USA

Scale 1:240 Imperial

Well Name:	WOLF #1		
Surface Location:	NW NE SW NW S8 T11S R24W		
Bottom Location:			
API:	15-195-22950-00-00		
License Number:	34272		
Spud Date:	5/28/2014	Time:	1:45 PM
Region:	TREGO COUNTY		
Drilling Completed:	6/2/2014	Time:	1:00 AM
Surface Coordinates:	1400 FNL & 692 FWL		
Bottom Hole Coordinates:			
Ground Elevation:	2317.00ft		
K.B. Elevation:	2322.00ft		
Logged Interval:	3300.00ft	To:	4000.00ft
Total Depth:	4000.00ft		
Formation:	LANSING / KANSAS CITY		
Drilling Fluid Type:	CHEMICAL / FRESH WATER GEL		

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-100.0153605
Latitude:	39.1135503
N/S Co-ord:	1400 FNL
E/W Co-ord:	692 FWL

LOGGED BY

Company:	SOLUTIONS CONSULTING, INC.		
Address:	108 W 35TH HAYS, KS 67601		
Phone Nbr:	(785) 639-1337		
Logged By:	GEOLOGIST	Name:	STEVE REED / HERB DEINES

CONTRACTOR

Contractor:	WW DRILLING, LLC		
Rig #:	6		
Rig Type:	MUD ROTARY		
Spud Date:	5/28/2014	Time:	1:45 PM
TD Date:	6/2/2014	Time:	1:00 AM
Rig Release:	6/2/2014	Time:	2:00 PM

ELEVATIONS

K.B. Elevation:	2322.00ft	Ground Elevation:	2317.00ft
K.B. to Ground:	5.00ft		

NOTES

DUE TO LOW STRUCTURAL POSITION OF THE WOLF #1 COMPARED TO SURROUNDING WELLS, COMBINED WITH LACK OF SIGNIFICANT SHOWS AND CHALKY NATURE OF PRIMARY ZONES LKC "I, J, K". THE DECISION WAS MADE TO PLUG AND ABANDON WELL.

OPEN HOLE LOGGING PROVIDED BY: PIONEER ENERGY SERVICES
LOGGING WAS ATTEMPTED, BUT TOOL WAS STUCK AT A DEPTH OF 3814 FEET, DECISION WAS MADE TO
ABORT LOGGING OPERATION DUE TO ADDED TIME TO RECONDITION HOLE.

DRILL STEM TESTING PROVIDED BY: TRILOBITE TESTING, INC:
ONE (1) CONVENTIONAL DRILL STEM TEST WAS PERFORMED, BUT PACKER FAILURE LEAD TO MISRUN

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

	WELL NAME	**COMPARISON WELL**	**COMPARISON WELL**	**COMPARISON WELL**
	WOLF #1	**GARRETT #2**	**ROSA GARRETT #1**	**MARY #1-7**
	API: 15-195-22950	**API: 15-195-21011**	**API: 15-195-20427**	**API: 15-195-22901**
FORMATION	SAMPLE TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)	LOG TOPS (DATUM)
ANHYDRITE	1939' (+383)	+390	NA	+391
TOPEKA	3410' (-1088')	-1079'	NA	-1071'
HEEBNER	3626' (-1304')	-1296'	-1298'	-1289'
TORONTO	3652' (-1330')	NA	NA	-1313'
LKC	3664' (-1342')	-1334'	-1334'	-1328'
BKC	3904' (-1582')	-1567	-1574'	-1562'
MARMATON	3950' (-1628')	NA	NA	-1607'
RTD	4000' (-1678')	-1613'	-1594	-1675'

SUMMARY OF DAILY ACTIVITY

5-28-14 R.U., spud @ 1:45pm, 8 5/8" surface casing set at 216' w/150 sxs common, 2% gel, 3% cc, plug down @ 5:45pm, WOC, drill plug @ 1:45am

5-29-14 704', drilling

5-30-14 2560', drilling

5-31-14 3430', drilling, CFS @ 3590, short trip (22 stands), CTCH, CFS @ 3700, CFS @3815, CFS @3835

6-1-14 3845', drilling, CFS @ 3877', mini trip (12 stands), CTCH, TOWB, survey 1°, DST #1 3839 to 3877, mis-run, packer failure, TD 4000 @ 1:00am, CTCH, out for logs

6-2-14 logging, log tool stuck in hole, worked 45 minutes to free, decision to end log, prepare to plug, plug down @2:15pm, release rig @ 4:15pm

DST #1 SUMMARY

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Outlaw Well Services LLC

1408 West 42nd
Hays Ks 67601

ATTN: Preston Wolf, Steve

8-11s-24w Trego

Wolf #1

Job Ticket: 59305 **DST#:1**

Test Start: 2014.06.01 @ 13:30:23

GENERAL INFORMATION:

Formation: **LKC J-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:23:18
Time Test Ended: 17:30:48

Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 70

Interval: 3839.00 ft (KB) To 3877.00 ft (KB) (TVD)
Total Depth: 3877.00 ft (KB) (TVD)
Hole Diameter: 7.87 inches Hole Condition: Fair

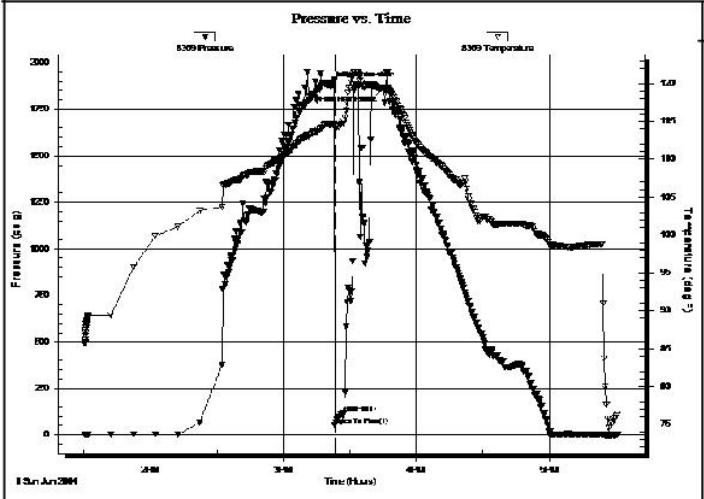
Reference Elevations: 2322.00 ft (KB)
2317.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**

Press@RunDepth: psig @ 3843.00 ft (KB)
Start Date: 2014.06.01 End Date: 2014.06.01
Start Time: 13:30:23 End Time: 17:30:48

Capacity: 8000.00 psig
Last Calib.: 2014.06.01
Time On Btm: 2014.06.01 @ 15:21:18
Time Off Btm: 2014.06.01 @ 15:44:48

TEST COMMENT: IFP-w k to strg in 4min , lost packer seat pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1875.80	114.59	Initial Hydro-static
2	51.21	114.21	Open To Flow (1)
6	119.83	114.95	Shut-In(1)
24	1862.59	119.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1200.00	Mud	15.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DST #1 PRESSURE VS TIME CHART

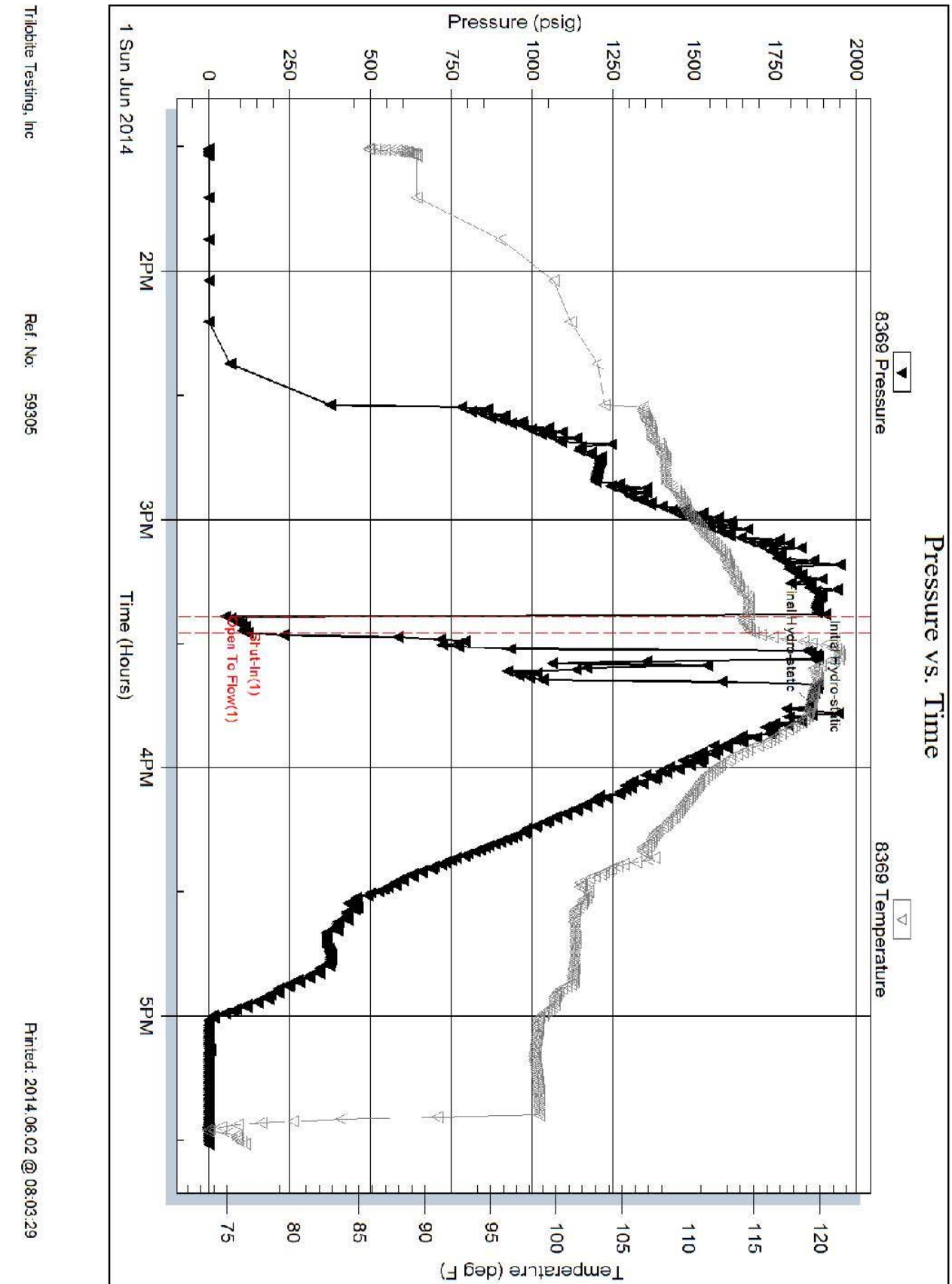


Image Header 04

Image Header 05

ROCK TYPES

Lmst fw<7		shale, grn		Carbon Sh	
Lmst fw7>		shale, gry		shale, red	

ACCESSORIES

MINERAL
P Pyrite

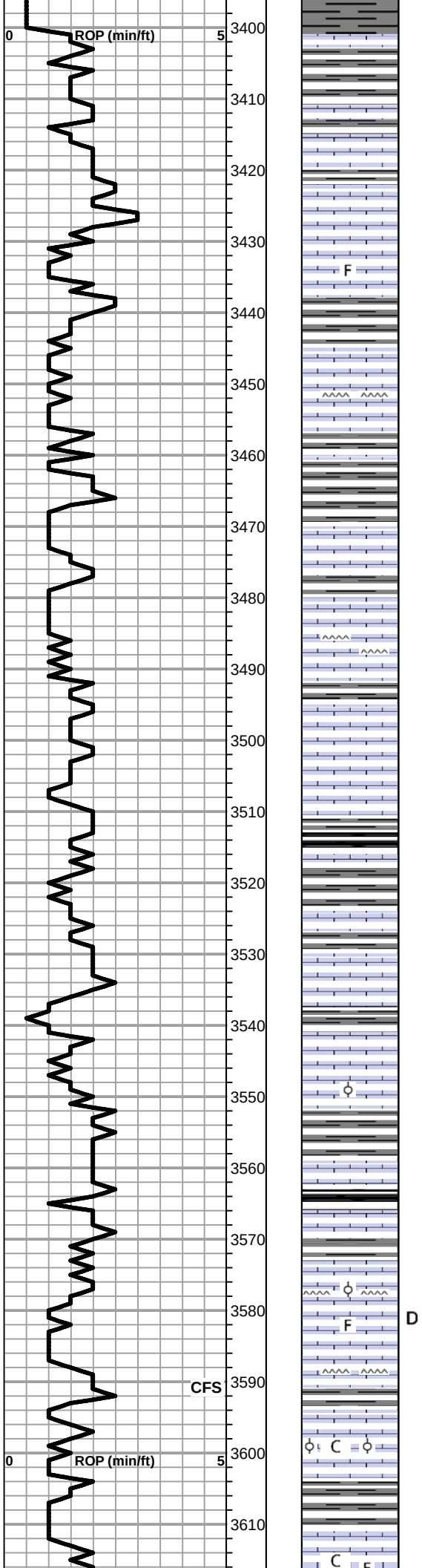
FOSSIL
F Fossils < 20%
Oolite

STRINGER
Chert
red shale

TEXTURE
C Chalky
CX Cryptocrystalline
L Lithogr

Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)

Curve Track #1 ROP (min/ft) 1:240 Imperial	Depth | Intervals Cored Interval DST Interval	DST	Lithology	Oil Show	Geological Descriptions	Curve Track #3 1:240 Imperial
0 ROP (min/ft) 5	3300				**ANHYDRITE TOP SPL 2645 (+783)** **ANHYDRITE BASE SPL 2665 (+763)**	**8 5/8" SURFACE CASING SET AT 216 W/150 SXS COMMON 2% gel, 3% CC**
	3310					
	3320				BEGIN 1' DRILL TIME @ 3300 BEGIN 10' WET AND DRY SAMPLES FROM 3400 TO RTD	
	3330					
	3340					
	3350					
	3360					
	3370				Lm - light-medium gray, fnxln, mottled, dense, brittle	
	3380				Lm - light gray-brown, medxln, brittle	
	3390				Sh - med-dark gray, soft, blocky	



TOPEKA SPL 3410 (-1088)

Lm - cream, vfxln, hard, brittle, barren and clean

Lm - cream, fine interxln porosity, dense, hard

Lm - cream-tan, fossiliferous with vfxln matrix, brittle

Sh - dark brown/medium gray, soft, gritty, fissile

Lm - cream, scattered fine pinpoint porosity, granular, friable, no shows, cherty

Sh - light-medium gray, soft, blocky

Lm - buff, slightly fossiliferous with medxln matrix, hard, brittle

Lm - tan, fnxln, dense, brittle, cherty

Lm - cream-light brown, fnxln, moderately hard, brittle

Sh - dark gray-black, carboniferous, soft, waxy

Sh - light-medium gray, soft, fissile

Lm - tan, fnxln, dense, brittle

Lm - cream-tan, granular, friable

Lm - cream, oolitic, scattered vuggy porosity, friable, no shows

Lm - tan, vfxln to lithographic, hard, no visible porosity, clean and barren

Sh - black, carbonaceous, firm, fissile

Lm - cream-light brown, slightly fossiliferous, fine interxln porosity, hard, brittle, no shows, cherty

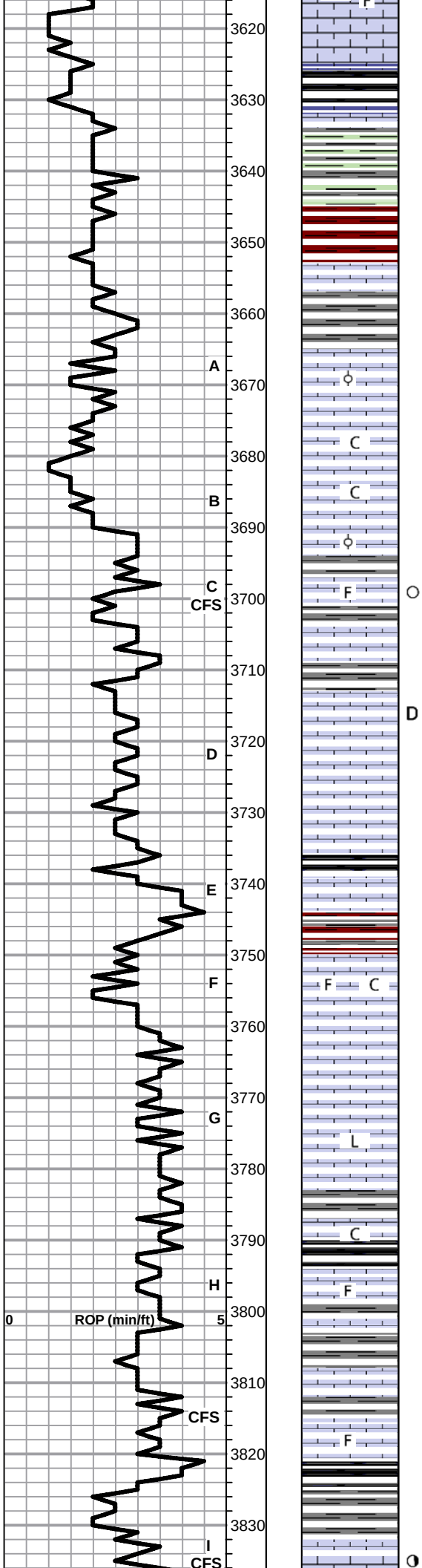
Lm - cream, fossiliferous, granular, easily crushed, dark organic residue, NSFO, no odor, no fluorescence

Lm - light brown, fn-medxln, dense, hard, cherty

SHORT TRIP

Lm - light brown, oolitic with very small oolites, fine interxln porosity, dense, hard, extremely chalky, white wash

Lm - light brown, slightly fossiliferous with fnxln matrix, hard, brittle, white



sticky chalky clumps

HEEBNER SPL 3626 (-1304)

Sh - black, carbonaceous, waxy

Sh - greenish / gray, soft, blocky, forming sticky clumps

Sh - maroon, soft, very sticky

TORONTO SPL 3652 (-1330)

Lm - bright white, granular, moderate hardness, brittle

Sh - medium gray, soft sticky

LKC SPL 3664 (-1342)

Lm - tan, oolitic, poor development, fine interxln porosity, dense, hard, brittle, no shows

Lm - cream-tan, cryptoxln, dense, hard, brittle, chalky, no shows

Lm - cream, fnxln to granular, friable, chalky in part, no shows

Lm - tan, oolites in fnxln matrix, dense, very hard, clean and barren

Lm - tan, slightly fossiliferous, bedded chalk in part, one chip with fine pinpoint porosity and oil specks released with acid. no odor

Lm - tan, fnxln, dense, brittle

Lm - cream, slightly oolitic, vfxln, dense, hard, some with interxln porosity and scatered vuggy porosity, dark brown gilsonitic stain, NSFO, no odor

Lm - cream, fnxln, dense, hard, bedded chalk

Sh - black, carbonaceous, soft, fissile

Sh - light gray / maroon, soft, extremely sticky clumps

Lm - offwhite, fnxln, clean and bright, some slightly fossiliferous with fine pinpoint porosity, black gilsonitic stain, slight SFO upon crush, very chalky

Lm - buff, fn-medxln, dense, hard, bedded chalk in part, clean and barren

Lm - buff, vfxln to lithographic, dense, hard, brittle, clean and barren

Lm - cream-light gray, fine interxln porosity, dense, very hard, chalky

Sh - black, carbonaceous, waxy

Lm - tan-light brown, fnxln, slightly fossiliferous, brittle, bedded chalk

Lm - A/A

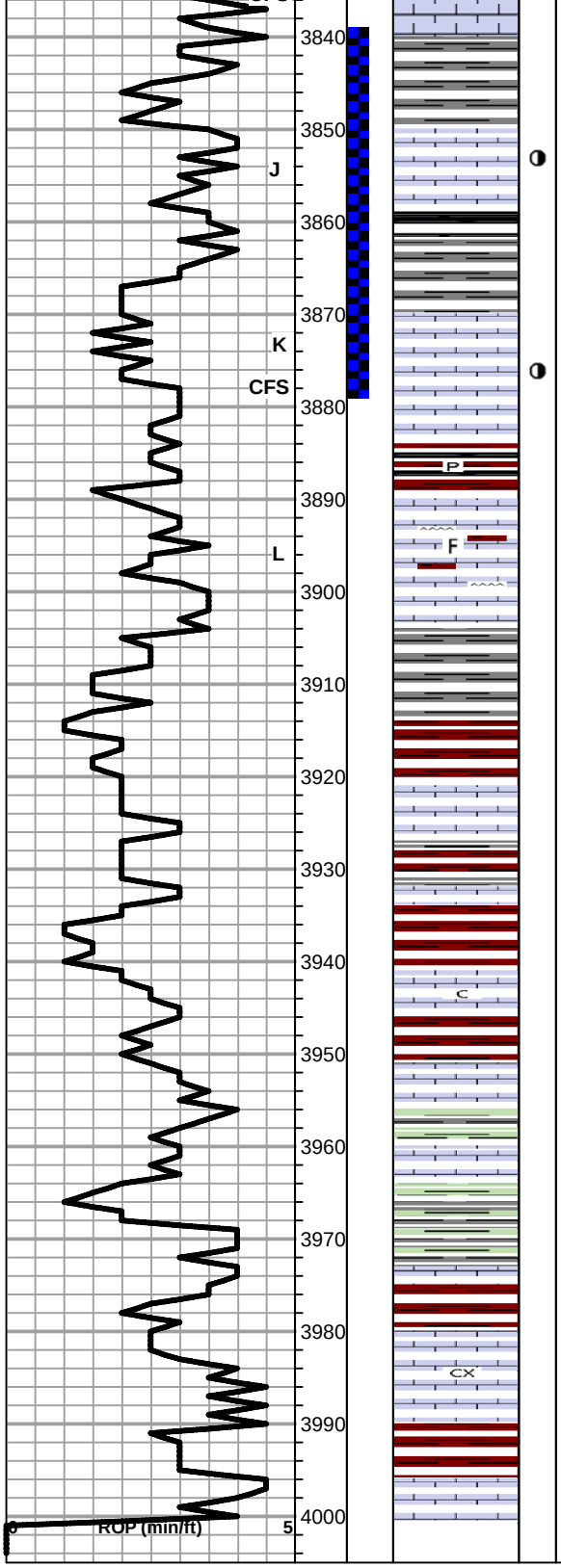
Lm - cream, fnxln, dense, hard, clean and barren, bedded chalk

Lm - light brown, fossiliferous with medxln matrix, friable, no shows

Sh - dark gray / black, carbonaceous, firm, blocky, forming sticky clumps in part

Lm - cream-light brown, fine pinpoint porosity, scattered light brown stain,

MUD WT. 8.9
VIS. 59
LCM 2#



good odor, excess sticky white chalk, SFO with acid, UV fluorescence

Sh - medium grain, soft, blocky, some sticky clumps

DST #1 3839 TO 3877

MISRUN: SEE HEADER FOR CHART

Lm - buff, oolitic, scattered interxln porosity with slight vugs, dark brown stain, SFO upon crush, faint odor, streaming wet cut under UV light

Sh - dark gray, some black carbonaceous, soft, fissile, sticky in part

Lm - buff, fine pinpoint porosity, scatterd dark brown stain, SFO upon crush, slightly chalky

Sh - dark gray / maroon, soft, blocky, pyrite

Lm - cream-tan, slightly fossiliferous, fine interxln porosity, dense, hard, orange chert and shales

BKC SPL 3904 (-1582)

Sh - medium brown / gray, soft blocky, some extremely sticky

MUD WT. 9.5
VIS. 58
LCM 2#

Sh - maroon, soft very sticky

Lm - buff, fnxln, dense, hard, clean and barren

Sh - maroon / gray, soft extremely sticky clumps

Sh - maroon / brown, soft fissile, forming sticky clumps

Lm - cream, fine interxln porosity, brittle, chalky

Sh - maroon, soft very sticky

MARMATON SPL 3950 (-1628)

Lm - cream - light gray, gritty, granular, dense, hard, no shows, no development

Sh - medium gray / green / brown, fissile, soft, sticky in part

Sh - orange / maroon, soft, extremely sticky

Lm - tan, cryptoxln, dense, very hard, bedded chalk in part

Sh - maroon / brown, soft fissile, extremely sticky clumps

RTD 4000 (-1678)

DRILL STEM TEST REPORT

Outlaw Well Services LLC

1408 West 42nd
Hays Ks 67601

ATTN: Preston Wolf, Steve

8-11s-24w Trego

Wolf #1

Job Ticket: 59305 **DST#: 1**

Test Start: 2014.06.01 @ 13:30:23

GENERAL INFORMATION:

Formation: **LKC J-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:23:18
Time Test Ended: 17:30:48

Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 70

Interval: 3839.00 ft (KB) To 3877.00 ft (KB) (TVD)
Total Depth: 3877.00 ft (KB) (TVD)
Hole Diameter: 7.87 inches Hole Condition: Fair

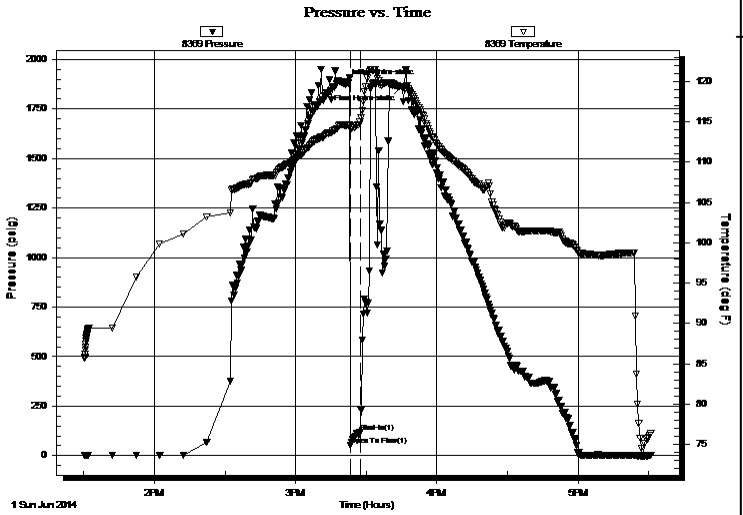
Reference Elevations: 2322.00 ft (KB)
2317.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8369 **Inside**

Press@RunDepth: psig @ 3843.00 ft (KB)
Start Date: 2014.06.01 End Date: 2014.06.01
Start Time: 13:30:23 End Time: 17:30:48

Capacity: 8000.00 psig
Last Calib.: 2014.06.01
Time On Btm: 2014.06.01 @ 15:21:18
Time Off Btm: 2014.06.01 @ 15:44:48

TEST COMMENT: IFP-w k to strg in 4min , lost packer seat pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1875.80	114.59	Initial Hydro-static
2	51.21	114.21	Open To Flow (1)
6	119.83	114.95	Shut-In(1)
24	1862.59	119.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1200.00	Mud	15.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Outlaw Well Services LLC

1408 West 42nd
Hays Ks 67601

ATTN: Preston Wolf, Steve

8-11s-24w Trego

Wolf #1

Job Ticket: 59305 **DST#: 1**

Test Start: 2014.06.01 @ 13:30:23

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1200.00	Mud	15.740

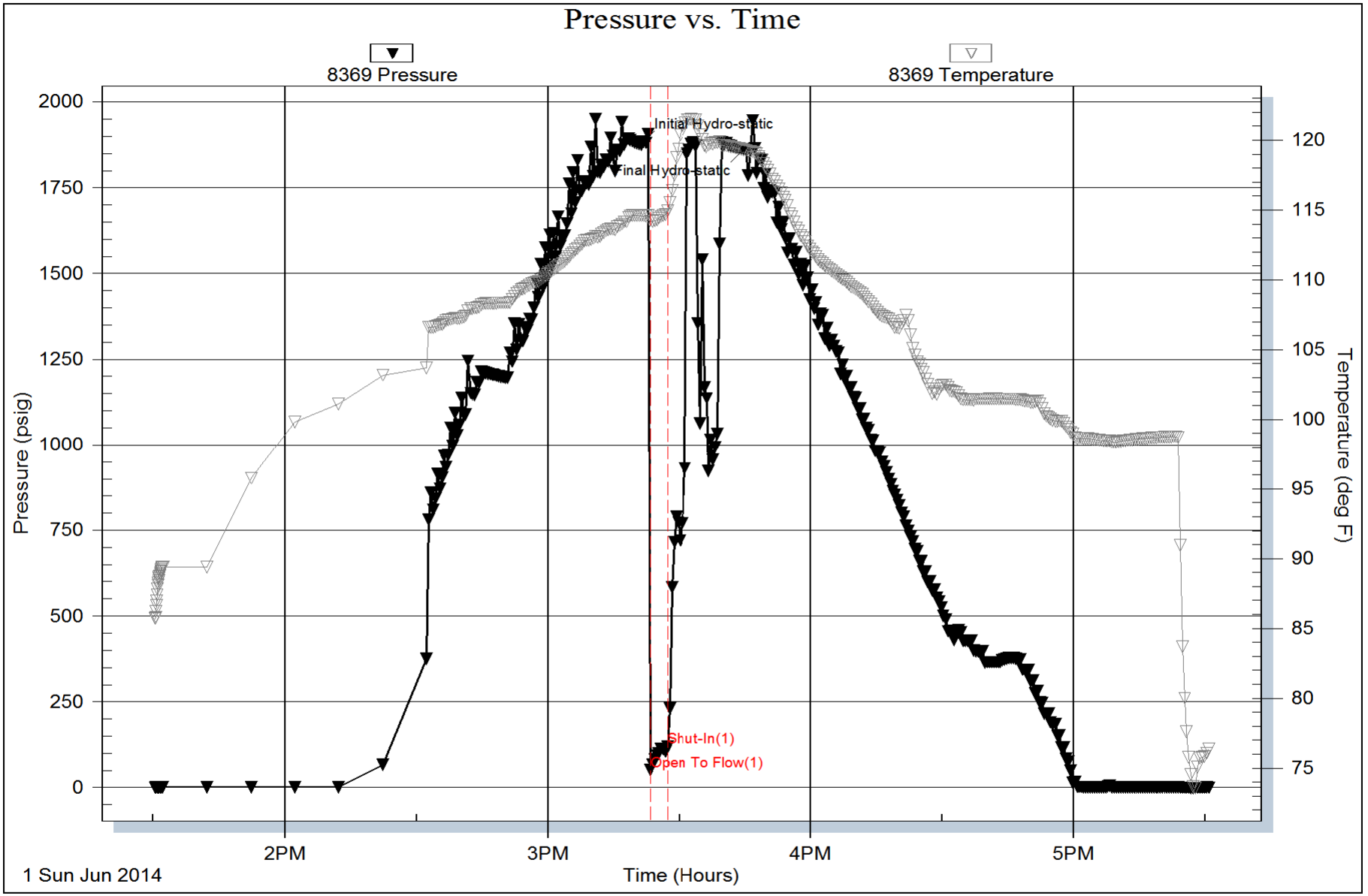
Total Length: 1200.00 ft Total Volume: 15.740 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8369 **Inside** Outlaw Well Services LLC Wolf #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 59305 Printed: 2014.06.02 @ 08:03:29

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 039

Cell 785-324-1041

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 5-28-14	8	11	24	Trego	KS		5:45pm

Location Wakeeney 1 BRD 8W Sinto

Lease Wolf Well No. 1

Contractor WW #6

Type Job Surface

Hole Size 12¼ T.D. 217

Csg. 8 5/8 Depth 217

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 15 Shoe Joint

Meas Line Displace 12 1/2 BL

EQUIPMENT

Pumptrk 16 No. Cementer Craig / Helper

Bulktrk No. Driver Billy / Driver

Bulktrk 14 No. Driver Driver Chad

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom Est Circulation - Mix 150 SK Displace Cement Circulated!

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Outlaw Well Service

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150 com 3% CC 2% Gel

Common 150

Poz. Mix

Gel. 3

Calcium 5

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 158

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge Surface

Mileage 48

Tax

Discount

Total Charge

X Signature Mark Rizg