

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1240622
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: _____

1240622

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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: <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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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	WAGONER 2-2
Doc ID	1240622

All Electric Logs Run

DEN-NEUT
INDUCTION
MICRO
SONIC
SPECTRAL



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 10/6/2014
 Invoice # 761
 P.O.#:
 Due Date: 11/5/2014
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1935 LOUIE ROAD
 HAYS KANSAS 67601

Reference:
 WAGONER 2-2

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200.138
Well/Prospect	
Deck	
AFE	
Approval	<i>Samuel Gary Jr</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	350	\$ 6,454.41	Yes				
Calcium Chloride	13	\$ 808.71	Yes				
Bulk Truck Matl-Material Service Charge	370	\$ 827.06	No				
Pump Truck Mileage-Job to Nearest Camp	56	\$ 624.63	No				
Flo Seal	175	\$ 391.18	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	56	\$ 365.52	No				
Premium Gel (Bentonite)	7	\$ 127.37	Yes				
8 5/8" Top Rubber Plug	1	\$ 118.47	Yes				
8 5/8" Centralizer	1	\$ 71.53	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,809.41
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,621.41)

SubTotal for Taxable Items:	\$ 6,775.91
SubTotal for Non-Taxable Items:	\$ 2,412.09

6.90% Norton County Sales Tax

Total: \$ 9,188.00
 Tax: \$ 467.54

Thank You For Your Business!

Amount Due: \$ 9,655.54
Applied Payments:
Balance Due: \$ 9,655.54

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 761

Date	10-6-14	Sec.	2	Twp.	5	Range	24	County	Norton	State	KS	On Location	5:30pm	Finish	8:30pm
Lease	Wagoner							Well No.	2-2		Owner	West into			
Contractor	Discoverie		4		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.										
Type Job	Surface														
Hole Size	17 1/4		T.D.	600		Charge To	Sam Gary Jr & Assoc.								
Csg.	8 5/8		Depth	600		Street									
Tbg. Size			Depth	600		City	State								
Tool			Depth	The above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg.			Shoe Joint	Cement Amount Ordered 350 com											
Meas Line			Displace	35.513BBL		3% CC 2% gel 1/2 Flowseal									
EQUIPMENT						Common 350									
Pumptrk	10	No.	Cementer	Matt		Poz. Mix									
Bulktrk	13	No.	Driver	Nick		Gel. 7									
Bulktrk	pu	No.	Driver	Doug		Calcium 13									
JOB SERVICES & REMARKS						Hulls									
Remarks:	Salt														
Rat Hole	Flowseal 175#														
Mouse Hole	Kol-Seal														
Centralizers	Mud CLR 48														
Baskets	CFL-117 or CD110 CAF 38														
D/V or Port Collar	Sand														
Cement did Circulate						Handling 370									
						Mileage 8 5/8									
						FLOAT EQUIPMENT									
						Guide Shoe									
						Centralizer 1									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Baffle plate									
Rubber plug															
						Pumptrk Charge Long Surface									
						Mileage 56									
						Tax									
						Discount									
						Total Charge									
X Signature <i>[Signature]</i>															



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 10/13/2014
 Invoice # 670

P.O.#:

Due Date: 11/12/2014

Division: Russell

RECEIVED

OCT 23 2014

Invoice

SAMUEL GARY JR.
 & ASSOCIATES, INC.

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1935 LOUIE ROAD
 HAYS KANSAS 67601

Reference:
 WAGNER 2-2

Description of Work:
 PROD STRING

DRLG COMP W/O LOE GG

Account	8200.138
Well/Prospect	
Deck	
AFE	
Approval	See field ticket
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor non, MetsoBeads, Plater, Gel, FloSeal, Calcium)	435	\$ 1,275.15	No	Defoamer A or CAF-38	50	\$380.00	Yes
Common-Class A	200	\$ 9,304.03	Yes	Flo Seal	158	\$343.09	Yes
Gilsonite	1000	\$ 3,582.86	Yes	Auto Fill Float Shoe, 5 1/2"	1	\$332.23	Yes
Bulk Truck Mat-Material Service Charge	662	\$ 1,628.57	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	56	\$355.07	No
CFL 117	168	\$ 1,437.49	No	Salt (Fine)	17	\$257.66	Yes
5 1/2" Basket	3	\$ 1,123.58	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$243.20	Yes
Mud Flush	500	\$ 1,120.46	Yes	KCL	2	\$64.84	Yes
Pump Truck Mileage-Job to Nearest Camp	56	\$ 1,085.71	Yes	Rotating Head (4 1/2", 5 1/2", or 2 7/8")	1	\$39.09	No
5 1/2" Turbolizer	7	\$ 606.78	No				
CD-110	100	\$ 440.80	Yes				
		\$ 434.29	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 24,054.89

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (3,608.23)

SubTotal for Taxable Items: \$ 17,290.12

SubTotal for Non-Taxable Items: \$ 3,156.54

Total: \$ 20,446.66

Tax: \$ 1,193.02

6.90% Norton County Sales Tax

Amount Due: \$ 21,639.68

Applied Payments:

Balance Due: \$ 21,639.68

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 670

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-13-14	2	5	24	Morton	KS		6:15 PM

Location Lenora 1E to W5 Rd, 2N

Lease <u>Wagner</u>	Well No. <u>2-2</u>	Owner
Contractor <u>Discovery 4</u>		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.
Type Job <u>long string</u>		Charge To <u>Sam Gary Jr & Associates</u>
Hole Size <u>7 7/8</u>	T.D. <u>4000</u>	Street
Csg. <u>5 1/2 15.5 #</u>	Depth <u>3994.22</u>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint <u>43.39</u>	Cement Amount Ordered <u>435 sx QMDC 1/4 # Flow, 200 sx</u>
Meas Line	Displace <u>94.02 bbl</u>	QProc <u>10% salt, 5% gilsonite, 3% CD-110, 8% CFL-117, 25% CAF-38</u>

EQUIPMENT

Pumptrk 5	No.	Cementer	
		Helper <u>Brett</u>	<u>Travis</u>
Bulktrk 21	No.	Driver	
		Driver <u>Taylor</u>	
Bulktrk 14	No.	Driver	
		Driver <u>Doug</u>	

Common <u>200 @ pro-c</u>	<u>20661 KCL</u>
Poz. Mix <u>435 QMDC</u>	
Grf. <u>KCL 290L</u>	
Calcium <u>CAF-38 CD-110 100</u>	

JOB SERVICES & REMARKS

Remarks:
Rat Hole 30sx
Mouse Hole 15sx
Centralizers 1,5,7,9,11,13,15
Baskets 3,48,67
D/V or Port Collar
Pipe on bottom broke circulation. Pumped 500 gal Mud CLR 48 with 10661 fw behind it. Plugged Rat hole with 30sx and Mouse hole with 15sx. Hooked to 5 1/2 and Mixed 390sx QMDC 1/4 # Flow and 200sx QPro C, 10% salt, 5% gilsonite, 3% CD-110, 8% CFL-117, 25% CAF 38. Shut down washed pump and lines. Released plug and displaced with 20661 KCL water and 74661 fw. plug landed and held

Hulls	Salt <u>17</u>
	Flowseal <u>158 #</u>
	Kol-Seal <u>1000 #</u>
	Mud CLR 48 <u>500</u>
	<u>CFL-117 or CD110 CAF 38 50 #</u>
	Sand <u>168 #</u>
	Handling <u>662</u>
	Mileage

FLOAT EQUIPMENT

Guide Shoe	Centralizer <u>7 turbos</u>
Baskets <u>3 Red</u>	AFU Inserts
Float Shoe <u>1</u>	Latch Down <u>1</u>

Cement did circulate
LIFT pressure 1100 psi
Plug landed at 2100 psi
Signature [Signature]

Pumptrk Charge <u>prod string</u>	Tax
Mileage <u>56</u>	Discount
	Total Charge



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

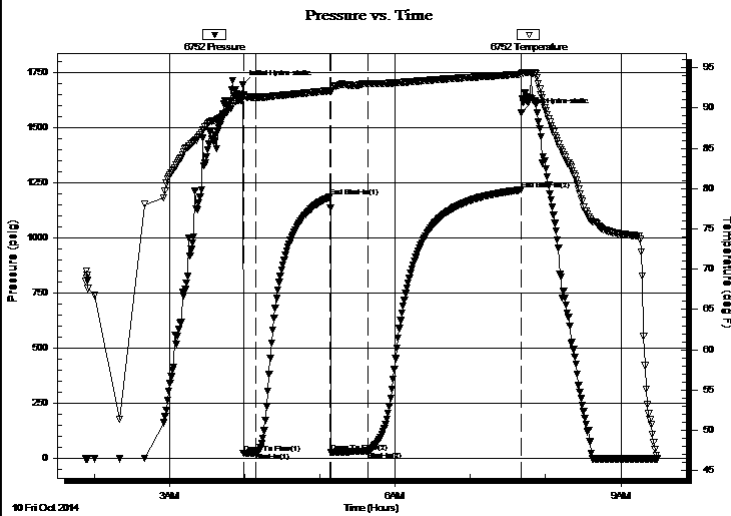
2-5s-24w Norton KS
Wagoner #2-2
Job Ticket: 60026 **DST#: 1**
Test Start: 2014.10.10 @ 01:53:00

GENERAL INFORMATION:

Formation: **Toronto - LKC " A "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:58:45
 Time Test Ended: 09:29:15
 Interval: **4478.00 ft (KB) To 4524.00 ft (KB) (TVD)**
 Total Depth: 4524.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ryan Nichols
 Unit No: 78
 Reference Elevations: 2391.00 ft (KB)
 2386.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 31.88 psig @ 4479.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.10 End Date: 2014.10.10 Last Calib.: 2014.10.10
 Start Time: 01:53:05 End Time: 09:29:14 Time On Btm: 2014.10.10 @ 03:58:15
 Time Off Btm: 2014.10.10 @ 07:40:45

TEST COMMENT: 10 IF - 3/4" blow built to 1 1/2"
 60 ISI - No return
 30 FF - No blow
 120 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1694.54	91.47	Initial Hydro-static
1	22.12	91.62	Open To Flow (1)
11	25.24	91.33	Shut-In(1)
70	1186.19	92.16	End Shut-In(1)
71	27.05	92.07	Open To Flow (2)
100	31.88	93.06	Shut-In(2)
222	1217.87	94.19	End Shut-In(2)
223	1568.27	94.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM - 25%o - 75%M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

2-5s-24w Norton KS
Wagoner #2-2
Job Ticket: 60026 **DST#: 1**
Test Start: 2014.10.10 @ 01:53:00

Mud and Cushion Information

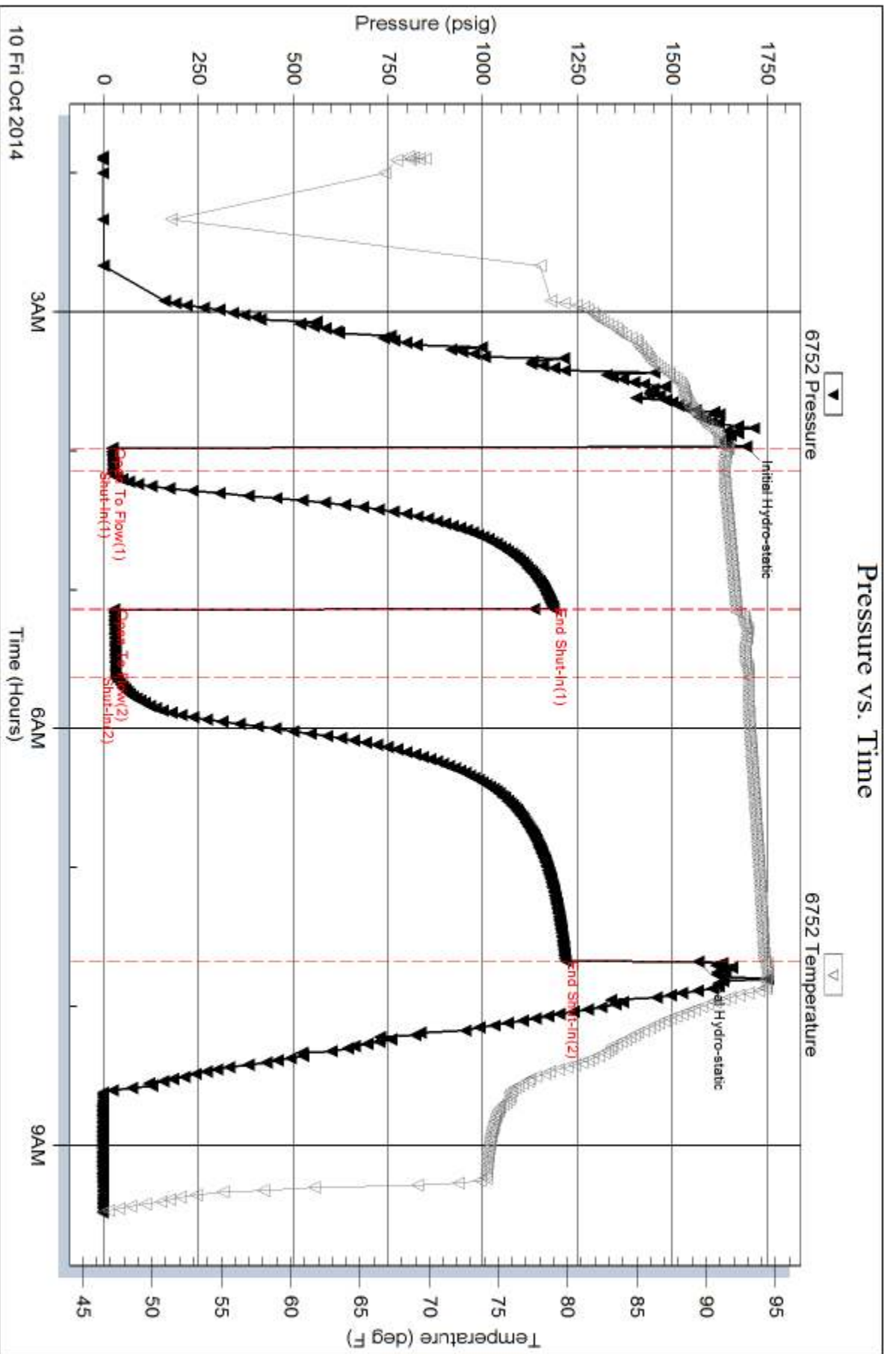
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM - 25%o - 75%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler = 400ml o - 16000ml M - 2000ml total - PSI



Serial #: 8734

Fluid

SGA Inc.

Wagoner #2-2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60026

Printed: 2014.10.10 @ 11:56:58



DRILL STEM TEST REPORT

Prepared For: **SGA Inc.**

1515 Wykoop
STE 700
Denver Co 80202

ATTN: Dan Pritchard

Wagoner #2-2

2-5S-24W - Norton KS

Start Date: 2014.10.10 @ 17:02:00

End Date: 2014.10.11 @ 00:27:00

Job Ticket #: 60027 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.13 @ 08:40:14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

2-5S-24W - Norton KS

Wagoner #2-2

Job Ticket: 60027

DST#: 2

Test Start: 2014.10.10 @ 17:02:00

GENERAL INFORMATION:

Formation: **LKC " B "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:47:30
 Time Test Ended: 00:27:00
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 78
 Interval: **3518.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Reference Elevations: 2391.00 ft (KB)
 Total Depth: 3548.00 ft (KB) (TVD) 2386.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

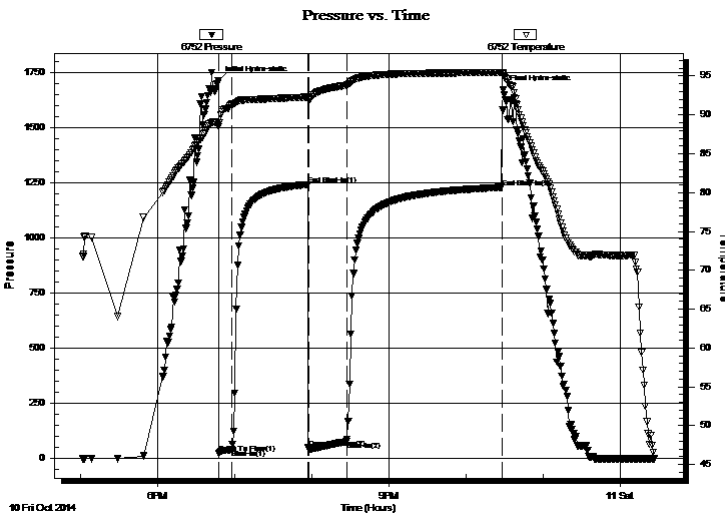
Serial #: 6752

Inside

Press@RunDepth: 75.81 psig @ 3519.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.10 End Date: 2014.10.11 Last Calib.: 2014.10.11
 Start Time: 17:02:05 End Time: 00:26:59 Time On Btm: 2014.10.10 @ 18:47:15
 Time Off Btm: 2014.10.10 @ 22:28:30

TEST COMMENT: 10 IF - 1/2" blow built to 7 1/4"
 60 ISI - Surface blow died @ 33 mins
 30 FF - 1/2" blow built to BoB @ 11 mins
 120 FSI - Surface blow built to 4 1/4"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.98	88.78	Initial Hydro-static
1	20.41	88.51	Open To Flow (1)
11	39.92	91.33	Shut-In(1)
70	1240.87	92.28	End Shut-In(1)
71	44.37	92.01	Open To Flow (2)
100	75.81	93.84	Shut-In(2)
221	1228.03	95.47	End Shut-In(2)
222	1669.56	95.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOCM - 10%G - 30%o - 60%M	0.60
63.00	GO - 15%G - 85%o	0.88
24.00	GO - 5%G - 95%o	0.34

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

2-5S-24W - Norton KS

Wagoner #2-2

Job Ticket: 60027

DST#: 2

Test Start: 2014.10.10 @ 17:02:00

Tool Information

Drill Pipe:	Length: 3474.00 ft	Diameter: 3.80 inches	Volume: 48.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 48.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3518.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Recorder	0.00	8734	Fluid	3485.00	
Handling Sub	5.00			3490.00	
Shut In Tool	5.00			3495.00	
Sampler	2.00			3497.00	
Hydraulic tool	5.00			3502.00	
Jars	5.00			3507.00	
Safety Joint	2.00			3509.00	
Packer	5.00			3514.00	33.00 Bottom Of Top Packer
Packer	4.00			3518.00	
Stubb	1.00			3519.00	
Recorder	0.00	6752	Inside	3519.00	
Recorder	0.00	8322	Outside	3519.00	
Perforations	26.00			3545.00	
Bullnose	3.00			3548.00	30.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

2-5S-24W - Norton KS
Wagoner #2-2
Job Ticket: 60027 **DST#: 2**
Test Start: 2014.10.10 @ 17:02:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

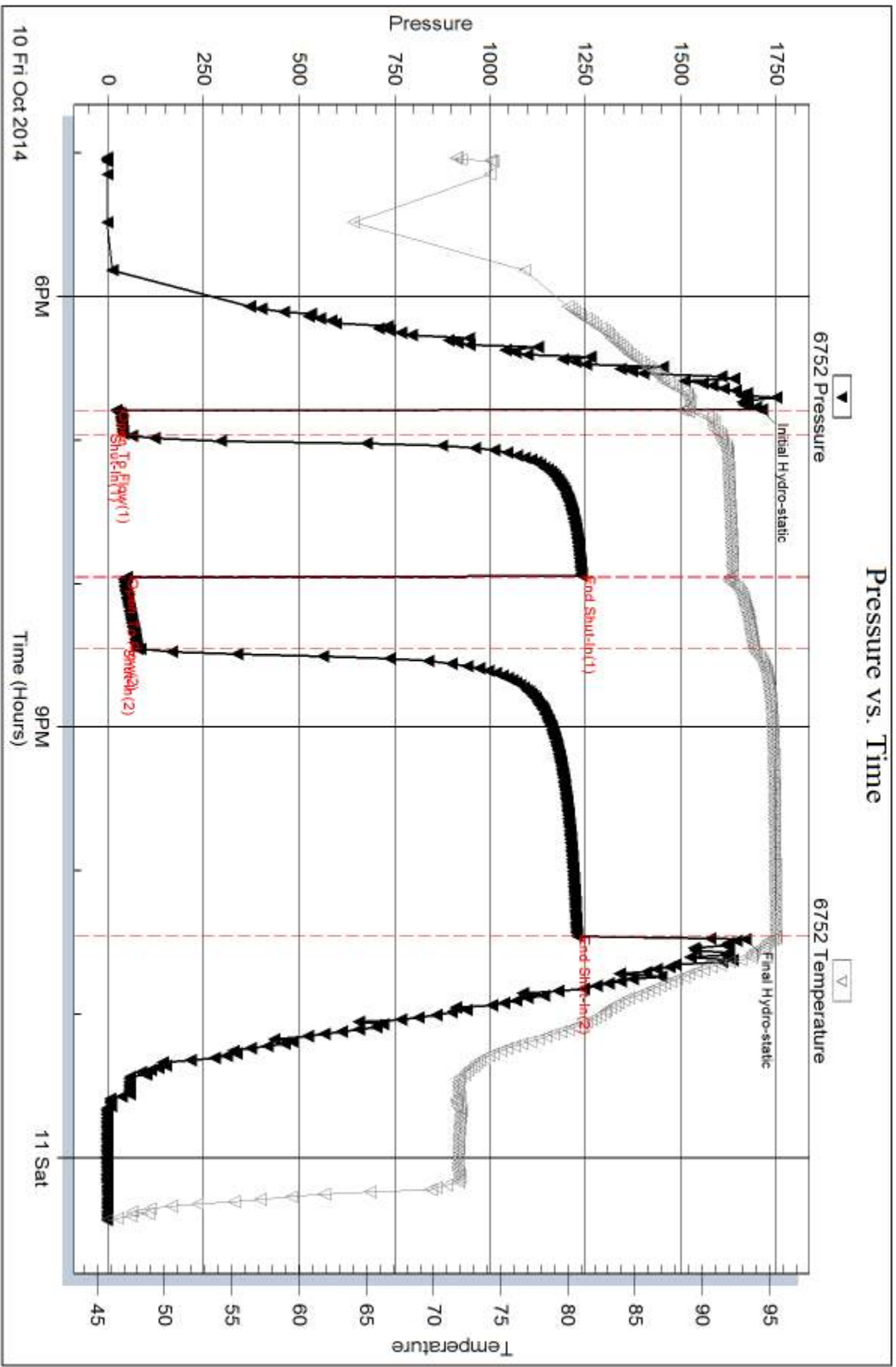
Length ft	Description	Volume bbl
63.00	GOCM - 10%G - 30%o - 60%M	0.601
63.00	GO - 15%G - 85%o	0.884
24.00	GO - 5%G - 95%o	0.337

Total Length: 150.00 ft Total Volume: 1.822 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler = 900ml G - 1100ml o - 20000ml total - 440 PSI
OIL API = 28 @ 70 DEG F = 27 COR 60 DEG F



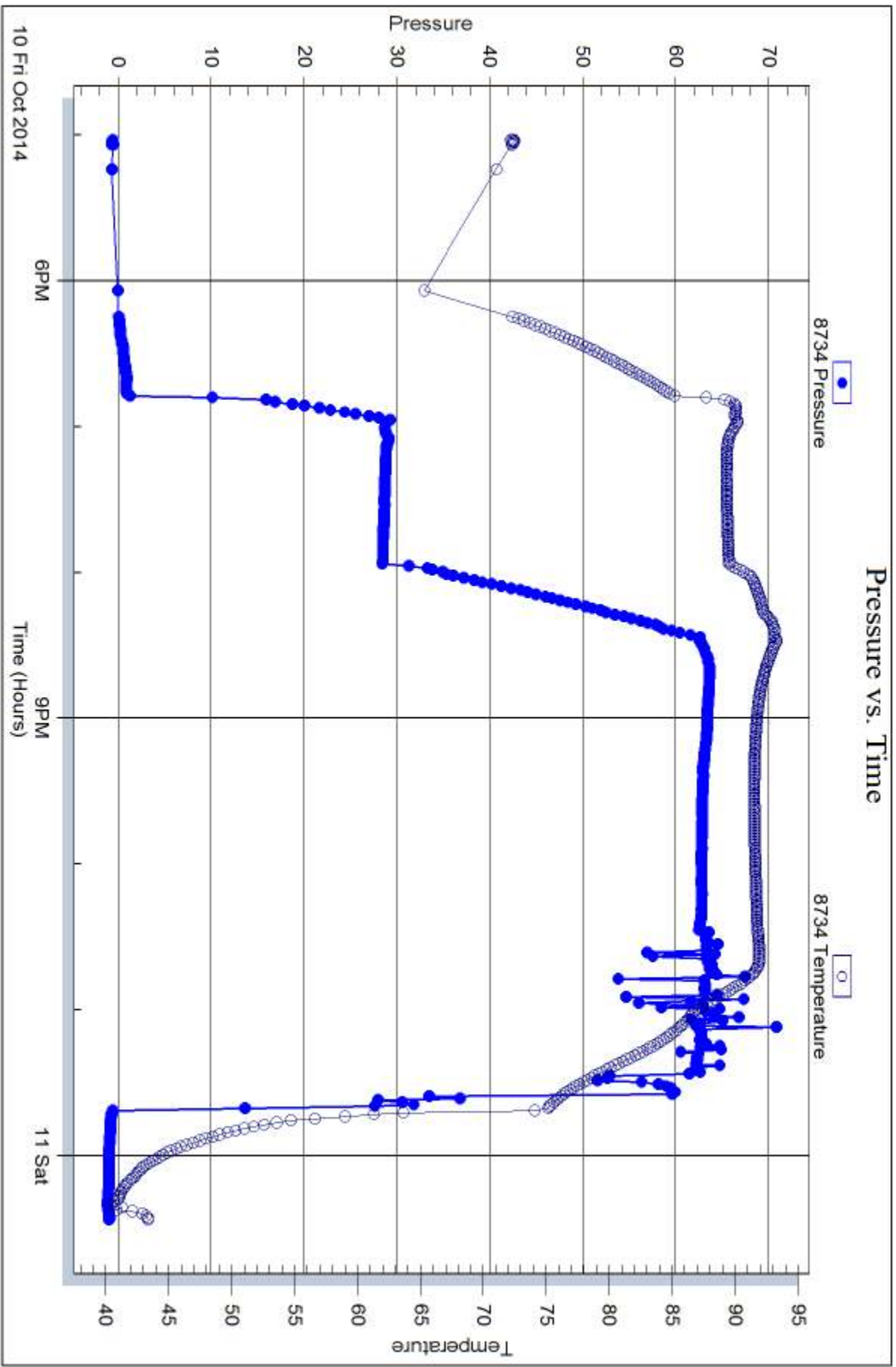
Serial #: 8734

Fluid

SGA Inc.

Wagner #2-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 60027

Printed: 2014, 10, 13 @ 08:40:15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

2-5S-24W - Norton KS

Wagoner #2-2

Job Ticket: 60028 **DST#: 3**
Test Start: 2014.10.11 @ 09:01:05

GENERAL INFORMATION:

Formation: **LKC " C - D "**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 11:14:45
 Tester: Ryan Nichols
 Time Test Ended: 15:35:29
 Unit No: 78
Interval: 3546.00 ft (KB) To 3586.00 ft (KB) (TVD)
 Reference Elevations: 2391.00 ft (KB)
 Total Depth: 3586.00 ft (KB) (TVD) 2386.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

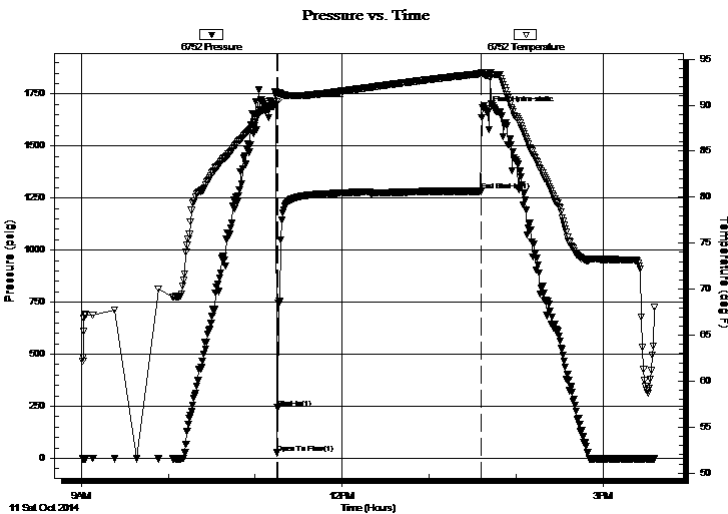
Serial #: 6752

Inside

Press@RunDepth: 242.38 psig @ 3547.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.11 End Date: 2014.10.11 Last Calib.: 2014.10.11
 Start Time: 09:01:05 End Time: 15:35:29 Time On Btm: 2014.10.11 @ 11:13:15
 Time Off Btm: 2014.10.11 @ 13:39:14

TEST COMMENT: 5 IF - 1/2" blow built to 1 1/2"
 60 ISI - No return
 15 FF - No blow
 60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.83	89.96	Initial Hydro-static
2	25.31	90.35	Open To Flow (1)
2	242.38	91.24	Shut-In(1)
143	1282.92	93.42	End Shut-In(1)
146	1668.66	93.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM - 5%O - 95%M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

2-5S-24W - Norton KS
Wagoner #2-2
Job Ticket: 60028 **DST#: 3**
Test Start: 2014.10.11 @ 09:01:05

Mud and Cushion Information

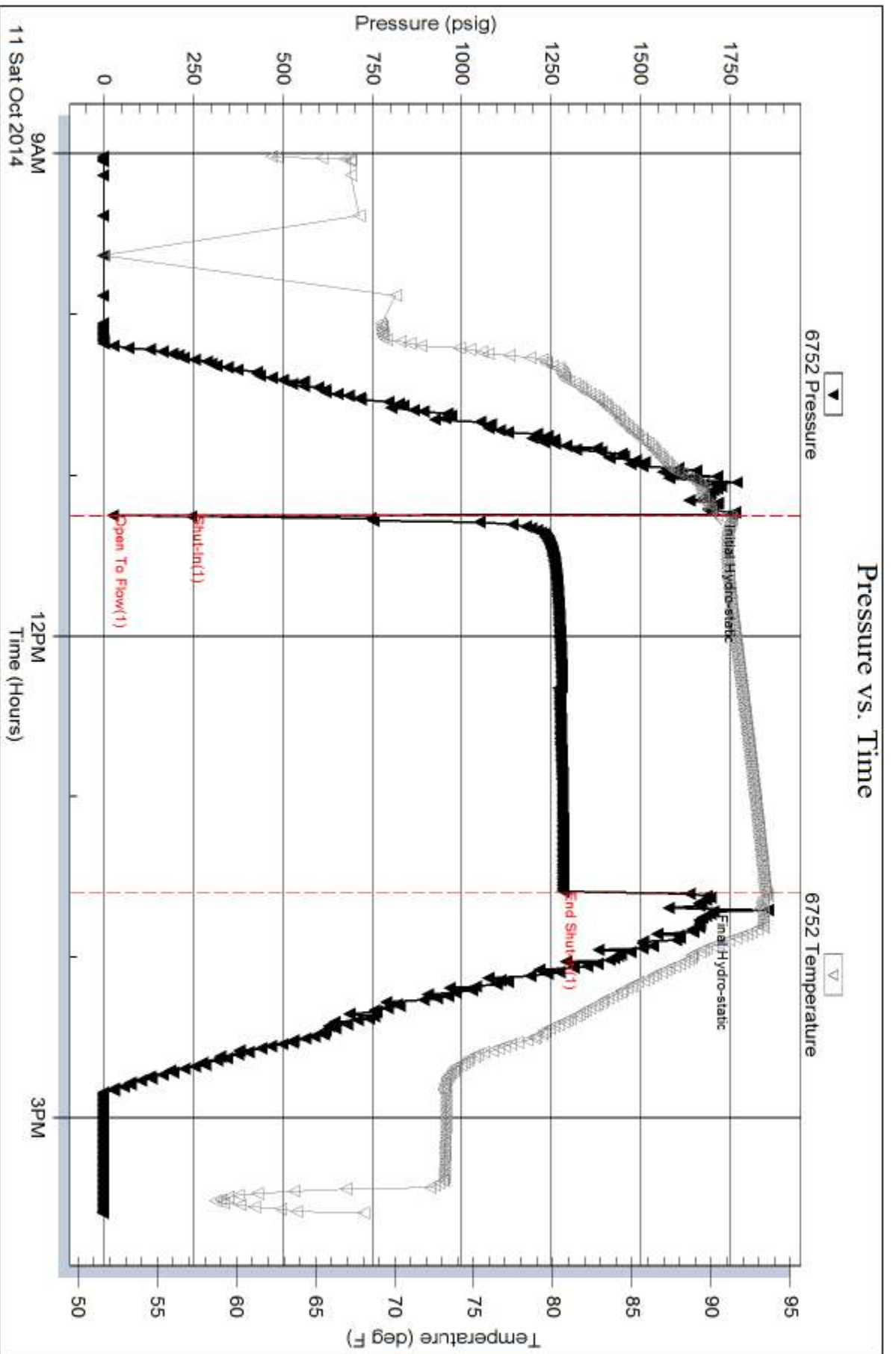
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM - 5%o - 95%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler - 100ml o - 1900ml M - 2000ml Total - PSI



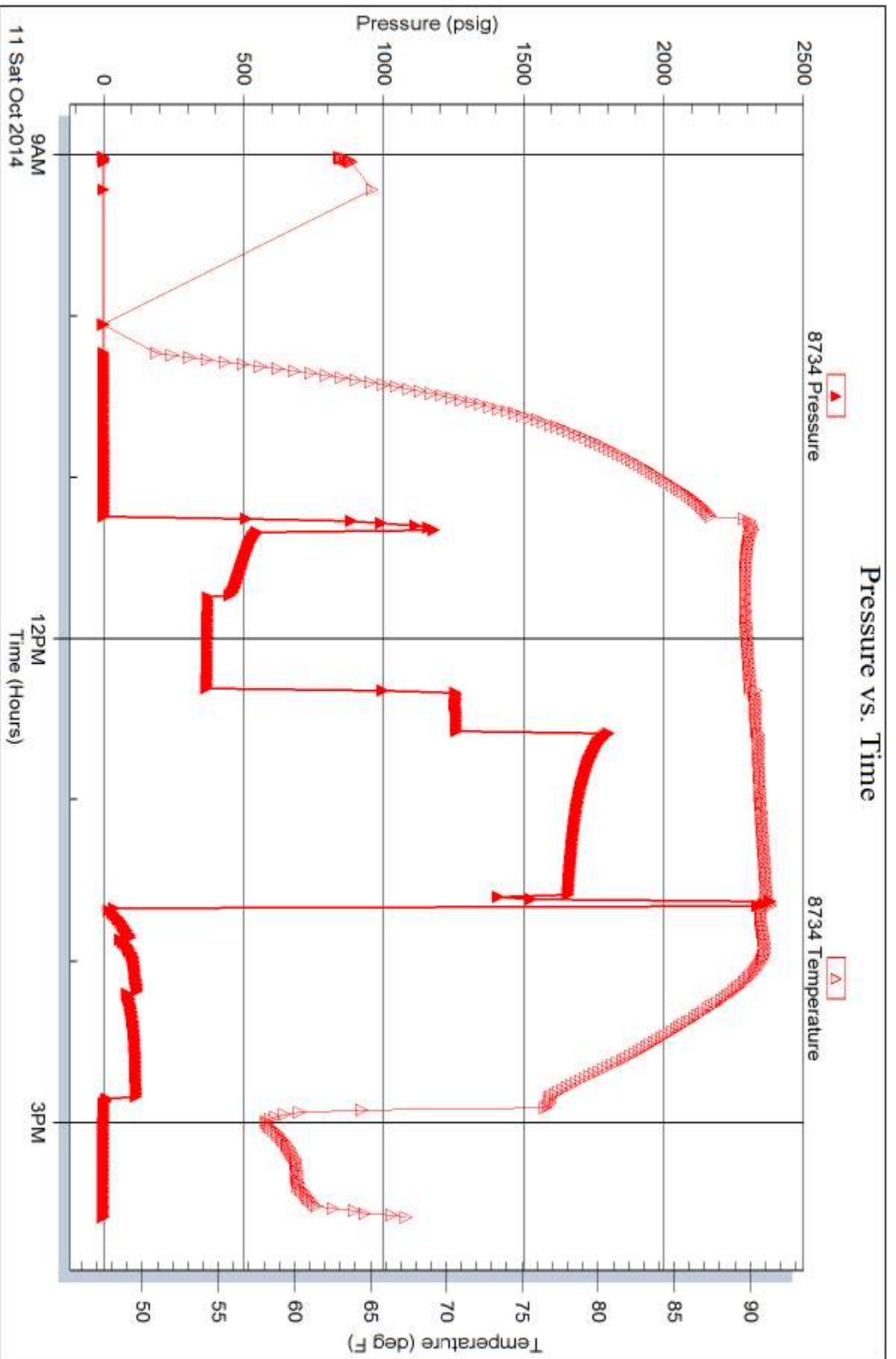
Serial #: 8734

Fluid

SGA Inc.

Wagner #2-2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60028

Printed: 2014, 10, 13 @ 08:38:35



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Wagoner 2-2
 Well Id:
 Location: Sec. 2 5S 24W Norton County, Kansas
 License Number: 15-137-20716-0000
 Spud Date: Oct. 6, 2014
 Surface Coordinates: 2565' FSL & 500' FEL
 Region: Wildcat
 Drilling Completed: Oct. 12, 2014

Bottom Hole Coordinates:
 Ground Elevation (ft): 2383' K.B. Elevation (ft): 2391'
 Logged Interval (ft): 3200' To: 4000' Total Depth (ft): 4000'
 Formation:
 Type of Drilling Fluid: Natural Chemical

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Samuel Gary Jr & Associates, inc
 Address: 1515 Wynkoop Street, Suite 700
 Denver, Colorado 80202
 Geo: Dan Pritchard

GEOLOGIST

Name: Aaron Suelter
 Company: EARTH TECH OGL, Inc.
 Address: PO Box 683
 Hooker, Okla 73945
 1-580-652-3924
 8918 5Th St
 Great Bend, Ks. 67530
 1-888-543-8378

	DRILL STEM TEST REPORT																																						
	SGA Inc. 1515 Wynkoop STE 700 Denver Co 80202 ATTN: Dan Pritchard	2-5S-24W - Norton KS Wagoner #2-2 Job Ticket: 60026 DST#: 1 Test Start: 2014.10.10 @ 01:53:00																																					
GENERAL INFORMATION: Formation: Toronto - LKC " A " Deviated: No Whipstock: ft (KB) Time Tool Opened: 03:58:45 Time Test Ended: 09:29:15 Test Type: Conventional Bottom Hole (Initial) Tester: Ryan Nichols Unit No: 78 Interval: 3478.00 ft (KB) To 3524.00 ft (KB) (TVD) Total Depth: 3524.00 ft (KB) (TVD) Reference Elevations: 2391.00 ft (KB) 2386.00 ft (CF) Hole Diameter: 7.88 inches Hole Condition: Good KB to GRVCF: 5.00 ft																																							
Serial #: 6752 Inside Press@RunDepth: 31.88 psig @ 3479.00 ft (KB) Start Date: 2014.10.10 End Date: 2014.10.10 Start Time: 01:53:05 End Time: 09:29:14 Capacity: 8000.00 psig Last Calib.: 2014.10.10 Time On Btm: 2014.10.10 @ 03:58:15 Time Off Btm: 2014.10.10 @ 07:40:45																																							
TEST COMMENT: 10 F - 3/4" blow built to 1 1/2" 60 ISI - No return 30 FF - No blow 120 FSI - No return																																							
	PRESSURE SUMMARY																																						
	<table border="1"> <thead> <tr> <th>Time (Min.)</th> <th>Pressure (psig)</th> <th>Temp (deg F)</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>0</td><td>1694.54</td><td>91.47</td><td>Initial Hydro-static</td></tr> <tr><td>1</td><td>22.12</td><td>91.62</td><td>Open To Flow (1)</td></tr> <tr><td>11</td><td>25.24</td><td>91.33</td><td>Shut-in(1)</td></tr> <tr><td>70</td><td>1186.19</td><td>92.16</td><td>End Shut-in(1)</td></tr> <tr><td>71</td><td>27.05</td><td>92.07</td><td>Open To Flow (2)</td></tr> <tr><td>100</td><td>31.88</td><td>93.06</td><td>Shut-in(2)</td></tr> <tr><td>222</td><td>1217.87</td><td>94.19</td><td>End Shut-in(2)</td></tr> <tr><td>223</td><td>1568.27</td><td>94.25</td><td>Final Hydro-static</td></tr> </tbody> </table>	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	0	1694.54	91.47	Initial Hydro-static	1	22.12	91.62	Open To Flow (1)	11	25.24	91.33	Shut-in(1)	70	1186.19	92.16	End Shut-in(1)	71	27.05	92.07	Open To Flow (2)	100	31.88	93.06	Shut-in(2)	222	1217.87	94.19	End Shut-in(2)	223	1568.27	94.25	Final Hydro-static		
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TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

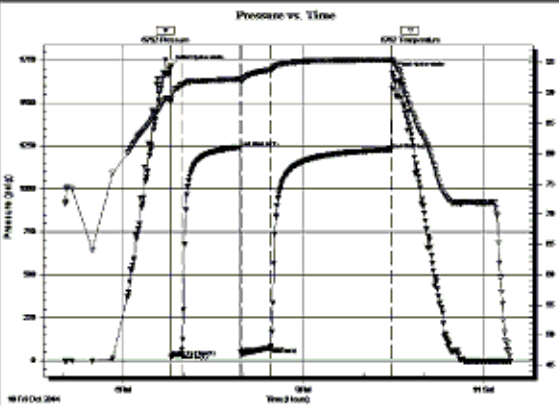
2-5S-24W - Norton KS
Wagoner #2-2
Job Ticket: 60027 **DST#: 2**
Test Start: 2014.10.10 @ 17:02:00

GENERAL INFORMATION:

Formation: **LKC " B "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:47:30
Time Test Ended: 00:27:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 78
Interval: **3518.00 ft (KB) To 3548.00 ft (KB) (TVD)**
Reference Elevations: 2391.00 ft (KB)
Total Depth: 3548.00 ft (KB) (TVD) 2386.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GRVCF: 5.00 ft

Serial #: 6752 **Inside**
Press@RunDepth: 75.81 psig @ 3519.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.10.10 End Date: 2014.10.11 Last Calib.: 2014.10.11
Start Time: 17:02:05 End Time: 00:26:59 Time On Btm: 2014.10.10 @ 18:47:15
Time Off Btm: 2014.10.10 @ 22:28:30

TEST COMMENT: 10 F - 1/2" blow built to 7 1/4"
60 ISI - Surface blow died @ 33 mins
30 FF - 1/2" blow built to BoB @ 11 mins
120 FSI - Surface blow built to 4 1/4"



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.98	88.78	Initial Hydro-static
1	20.41	88.51	Open To Flow (1)
11	39.92	91.33	Shut-in(1)
70	1240.87	92.28	End Shut-in(1)
71	44.37	92.01	Open To Flow (2)
100	75.81	93.84	Shut-in(2)
221	1228.03	95.47	End Shut-in(2)
222	1669.56	95.26	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
63.00	GOCM - 10%G - 30%o - 60%M	0.60
63.00	GO - 15%G - 85%o	0.88
24.00	GO - 5%G - 95%o	0.34

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



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Dan Pritchard

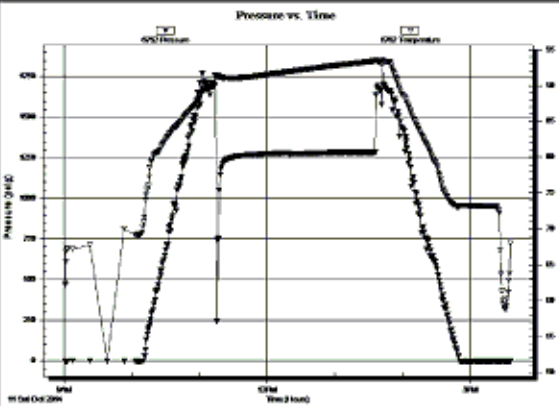
2-5S-24W - Norton KS
Wagoner #2-2
Job Ticket: 60028 **DST#: 3**
Test Start: 2014.10.11 @ 09:01:00

GENERAL INFORMATION:

Formation: **LKC " C - D "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 15:35:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 78
Interval: **3546.00 ft (KB) To 3586.00 ft (KB) (TVD)**
Reference Elevations: 2391.00 ft (KB)
Total Depth: 3586.00 ft (KB) (TVD) 2386.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GRVCF: 5.00 ft

Serial #: 6752
Press@RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
Start Date: 2014.10.11 End Date: 2014.10.11 Last Calib.: 2014.10.11
Start Time: 09:01:05 End Time: 15:35:29 Time On Btm:
Time Off Btm:

TEST COMMENT: 5 F - 1/2" blow built to 1 1/2"
60 ISI - No return
15 FF - No blow
60 FSI - No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	OCM - 5%o - 95%M	0.05

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

ROCK TYPES

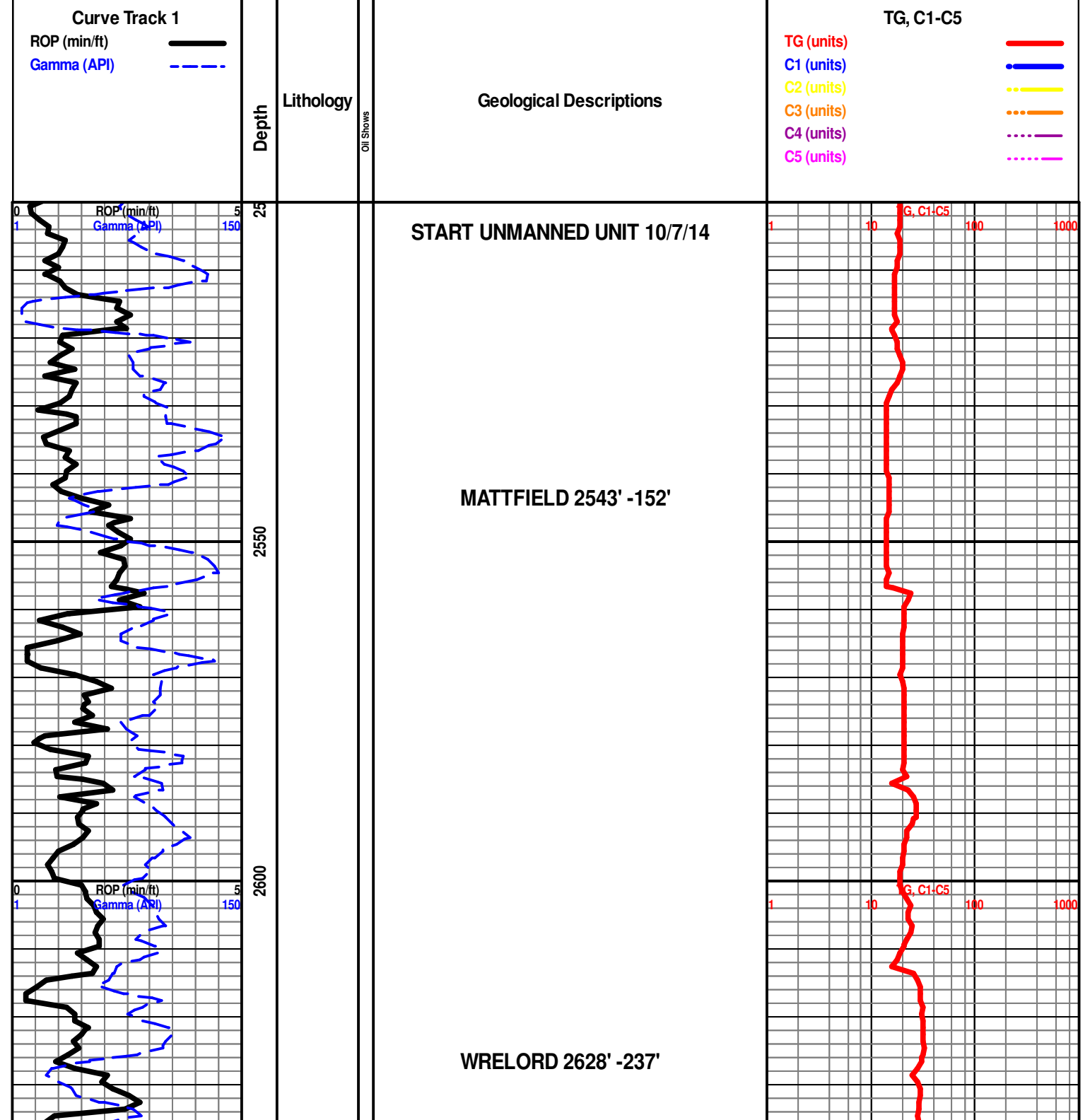
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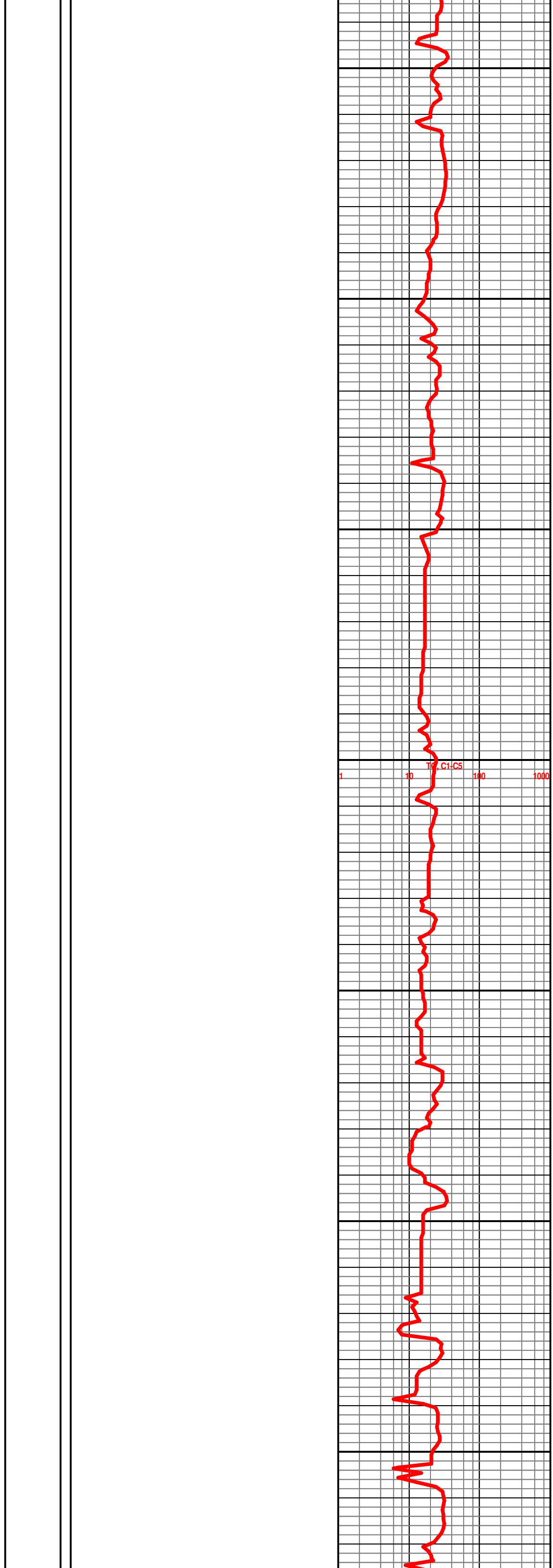
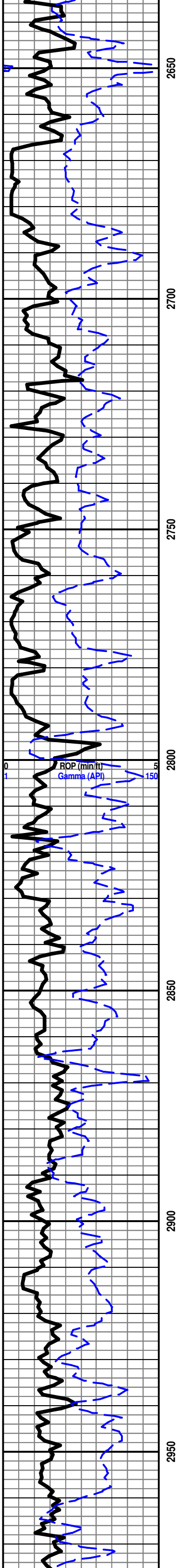
ACCESSORIES

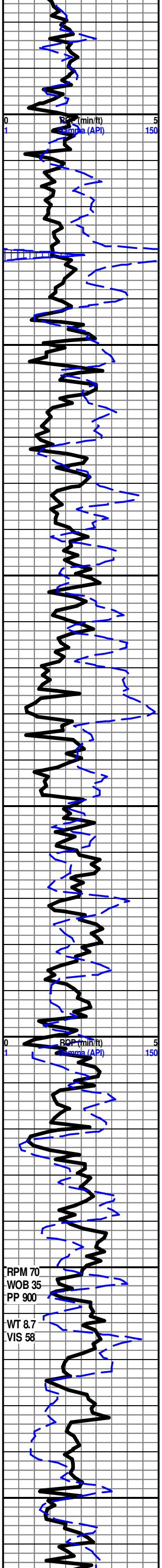
<h4>MINERAL</h4> <ul style="list-style-type: none"> Anhy Arggrn Arg Bent Bit Brecfrag Calc Carb Chtdk Chtlt Dol Feldspar Ferrpel Ferr Glau Gyp Hvymin Kaol Marl Minxl Nodule Phos Pyr 	<ul style="list-style-type: none"> Salt Sandy Silt Sil Sulphur Tuff Chlorite Dol Sand Sltly <h4>FOSSIL</h4> <ul style="list-style-type: none"> Algae Amph Belm Bioclst Brach Bryozoa Cephal Coral Crin Echin Fish Foram 	<ul style="list-style-type: none"> Fossil Gastro Oolite Ostra Pelec Pellet Pisolite Plant Strom Fuss Oomold <h4>STRINGER</h4> <ul style="list-style-type: none"> Anhy Arg Bent Coal Dol Gyp Ls Mrst Sltstrg Ssstrg Carbsh 	<ul style="list-style-type: none"> Clystn Dol Grysh Gryslt Lms Sh Sltstn <h4>TEXTURE</h4> <ul style="list-style-type: none"> Boundst Chalky Cryxln Earthy Finexln Grainst Lithogr Microxln Mudst Packst Wackst
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OTHER SYMBOLS

<h4>POROSITY TYPE</h4> <ul style="list-style-type: none"> Earthy Fenest Fracture Inter Moldic Organic Pinpoint Vuggy 	<h4>SORTING</h4> <ul style="list-style-type: none"> Well Moderate Poor <h4>ROUNDING</h4> <ul style="list-style-type: none"> Rounded Subrnd Subang 	<ul style="list-style-type: none"> Angular <h4>OIL SHOWS</h4> <ul style="list-style-type: none"> Even Spotted Ques Dead Gas show 	<h4>INTERVALS</h4> <ul style="list-style-type: none"> Core Dst Dst <h4>EVENTS</h4> <ul style="list-style-type: none"> Rft Sidewall
--	---	--	--







3000
3050
3100
3150
3200
3250
3300

JANESVILLE SHALE 3012' -621'

START 24 HOUR MANNED UNIT 10/8/14

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- ORNG TN BRWN TO GY, FRM BLKY TO SFT GMMY, SMTH TXT

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F MTRX, S-SUCRO, SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BRWN TO GY, FRM BLKY, SLTY TXT, IMBD DISS PYR IP

SH- TN TO DK TN, HD DNS, V/F TO CRYPTO XLN MTRX, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TO TN, HD DNS TO BRIT, V/F TO F XLN MTRX, RE-XLN IP, SCAT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

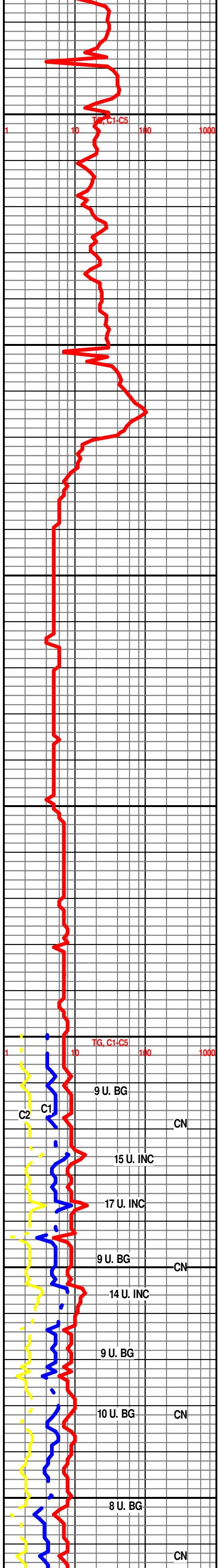
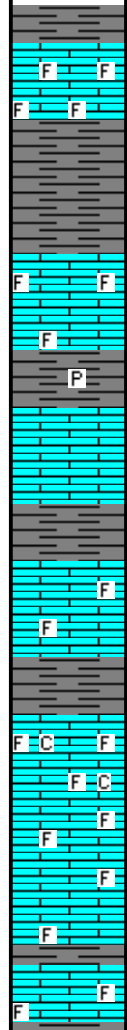
TOPEKA 3273' -882'

LS- CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-CHLKY IP, IMBD FOSS FRG THRU, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

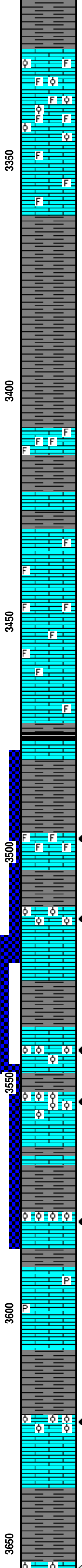
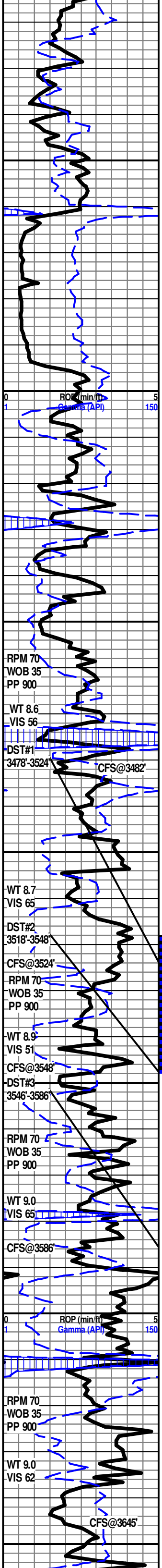
LS- OFF WHT CRM TO LT TN, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, IMBD FOSS FRG IP, NO VIS FLO, VIS POR, NO VIS SHOW

SH- BRWN TO GY, FRM BLKY, SMTH TO SLTY TXT

RPM 70
WOB 35
PP 900
WT 8.7
VIS 58



TG, C1-C5
9 U. BG
C2 C1
15 U. INC
17 U. INC
9 U. BG
14 U. INC
9 U. BG
10 U. BG
8 U. BG
CN



SH- BRWN TO GT, FRM BLKY, SMTH TO SLTY TXT

LS- CRM LT TN TO TN, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD FOSS FRG IP, ABDT IMBD OOL IP, NO VIS FLO, FR INTR FOSS/OOL POR IN 4%, NO VIS SHOW

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, IMBD FOSS FRG THRU, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GRN BRWN TO GY MOTT IP, FRM BLKY, SMTY TO SLTY TXT

SH- GRN BRWN GY TO DK GY, FRM BLKY, SLTY TXT

LS- OFF WHT CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BRWN TO DK GY, FRM SPLNTY, SLTY TXT

LS- OFF WHT TO CRM, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S- CHLKY, SCAT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-SUCRO, IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- GY LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-CHLKY IP, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3472' -1081'

SH- BLCK, SFT, CARB

SH- GRN BRWN TO GY, FRM BLKY, SMTH TXT

3496'-3497' LS- OFF WHT TO CRM W/ TN OIL STN IN 70%, HD DNS TO BRIT IP, V/F TO F XLN MTRX, IMBD FOSS FRG THRU, BRT YEL GLD FLO IN 70%, FR INTR FOSS POR IN 3%, PR TO FR INTR GRN POR IN 3%, FR FLSH CUT IN 80%, FR TO GD MLKY BLU SLW STRM IN 80%, TN LCH ON DISH

LANSING 3511' -1120'

3512'-3514' LS- CRM TO LT TN W/ OIL STN IN 75%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 80%, FR TO GD INTR OOL POR IN 4%, V/GD FLSH CUT IN 90%, V/GD MLKY BLU SLW STRM IN 90%, DK TN LCH ON DISH, STRNG OIL ODOR, OIL DROPLETS IN DISH

LANSING "B" 3538' -1147'

3542'-3544' LS- CRM TO LT TN W/ TN OIL STN IN 95%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, BRT YEL GLD FLO THRU, FR TO GD INTR OOL POR IN 7%, FR FLSH CUT THRU, FR TO GD MLKY BLU SLW STRM THRU, DK TN LCH ON DISH, FR OIL ODOR

3552'-3555' LS- LT TN TO TN W/ TN OIL STN IN 85%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DK YEL GLD FLO IN 90%, FR INTR OOL POR IN 6%, V/GD INSTNT FSH CUT IN 90%, V/GD MLKY BLU SLW STRM IN 90%, DK TN LCH ON DISH FR OIL ODOR

SH- GRN BRWN TO DK GY, FRM BLKY, SMTH TO SLTY TXT

3579'-3580' LS- CRM TO LT TN W/ TN OIL STN IN 80%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 80%, FR TO GD INTR OOL POR IN 5%, FR FLSH CUT IN 80%, FR TO GD MLKY BLU SLW STRM IN 80%, TN LCH ON DISH, FR OIL ODOR

LS- GY CRM TO LT TN MOTT, HD DNS TO BRIT IP, V/F TO CRYPTO XLN, S-CHLKY IP, SLI TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "F" SHALE 3609' -1218'

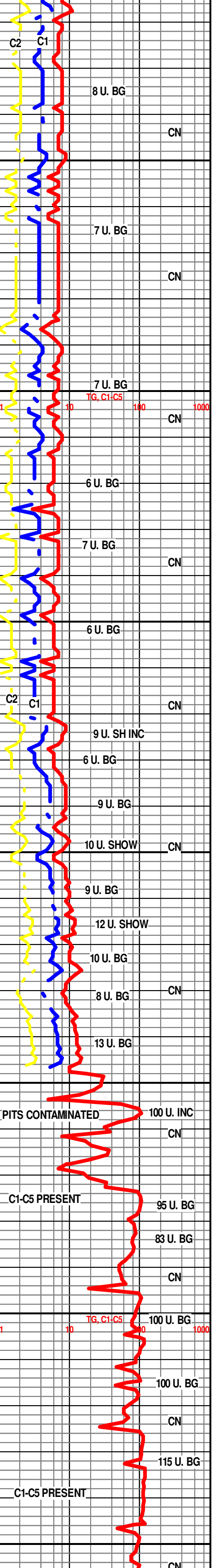
SH- GRN BRWN TO DK GY, FRM BLKY, SMTH TXT

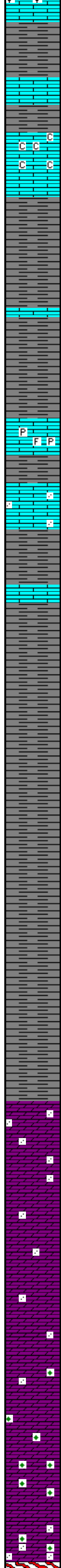
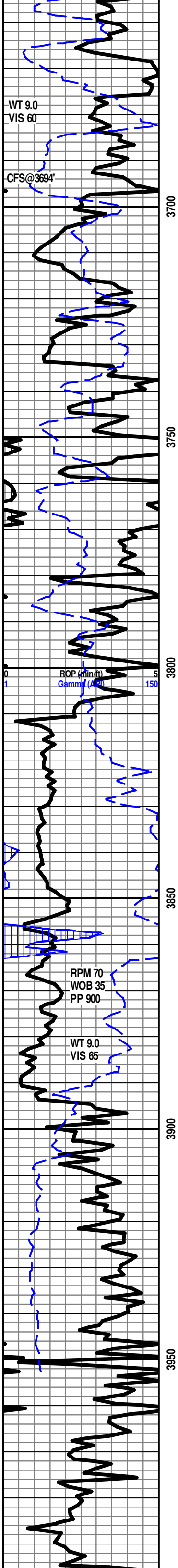
3622'-3625' LS- CRM TO LT TN W/ TN OIL STN IN 65%, LOS IN 1%, HD DNS TO BRIT, V/F TO F XLN MTRX, S-SUCRO, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 70%, FR TO GD INTR OOL POR IN 5%, GD INSTNT FLSH CUT IN 70%, FR TO GD SLW STRM IN 70%, DK TN LCH ON DISH, GD OIL ODOR

SH- BRWN TO GY, SFT GMMY TO FRM BLKY, SLTY TXT

LANSING "G" 3654' -1263'

3657'-3658' LS- CRM TO LT TN W/ TN OIL STN IN 80%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 80%, FR TO GD INTR OOL POR IN 5%, FR FLSH CUT IN 80%, FR TO GD MLKY BLU SLW STRM IN 80%, TN LCH ON DISH, FR OIL ODOR





3685-3696' LS- CRM TO LT TN W/ IN OIL STN IN 60%, HD DNS, V/F TO F XLN MTRX, IMBD OOL IP, DUL YEL GLD FLO IN 60%, PR TO FR INTR OOL IN 4%, FR FLSH CUT IN 60%, FR SLW STRM IN 60%, LT TN LCH ON DISH

LS- CRM TO LT TN , HD DNS TO BRIT IP, V/F TO CRYPTO XLN, S-CHLKY IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-CHLKY IP, ABDT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

BKC 3697' -1306'

SH- BRWN TO LT GY, SFT GMMY TO FRM BLKY, SLTY TXT

SH- RED TO BRWN, SFT GMMY, SMTH TXT

LS- OFF WHT TO CRM, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, TR IMBD DISS PYR IP, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO CRM, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, IMBD SM TO F RND QRTZ XLS THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GRN RED BRWN TO GY, FRM SPLNTY TO BLKY, SLTY TO SMTH TXT

SH- BRWN TO GY, FRM BLKY TO SFT GMMY, SMTH TO SLTY TXT

SH- RED TO BRWN, SFT GMMY, SMTH TXT

SH- RED BRWN TO GY, SFT GMMY TO FRM BLKY, SMTH TO SLTY TXT

SH- GRN YEL RED BRWN TO GY, FRM BLKY, SMTH TO SLTY TXT

ARBUCKLE 3894' -1503'

DOLO- CRM LT TN TO BRWN, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD F TO SM S-RND TO RND DOLO GRNS THRU, IMBD SM RND QRTZ XLS IP, NO VIS FLO, PR INTR GRN POR IN 7%, NO VIS SHOW

DOLO- CRM LT TN TO BRWN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD F TO SM S-RND TO S-ANG DOLO GRNS THRU, SLI TR SM RND QRTZ XLS IP, NO VIS FLO, TT TO PR INTR GRN POR IN 5%, NO VIS SHOW

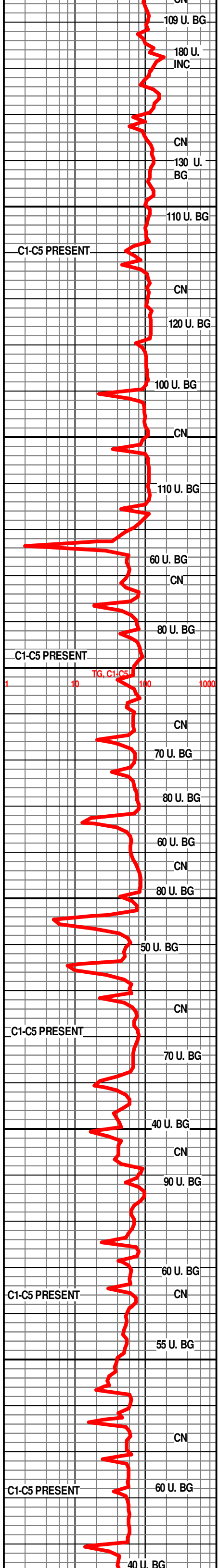
DOLO- CRM LT TN TO BRWN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD F TO SM S-RND TO S-ANG DOLO GRNS THRU, SLI TR SM TO MD RND QRTZ XLS IP, NO VIS FLO, TT TO PR INTR GRN POR IN 7%, NO VIS SHOW

DOLO- CRM LT TN TO BRWN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD F TO MD S-RND TO S-ANG DOLO GRNS THRU, IMDB CHLORITE IP, NO VIS FLO, PR INTR GRN POR IN 10%, NO VIS SHOW

DOLO- OFF WHT CRM TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-RND TO S-ANG DOLO GRNS THRU, ABDT IMBD CHLORITE THRU, NO VIS FLO, TT TO PR INTR GRN POR IN 5%, NO VIS SHOW

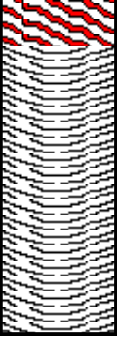
GRANITE WASH 3995' -1604'

GRANTE WASH- FRSTY TO ORNG, HD DNS, ABDT S-ANG TOANG QRTZ



0	CFS@4000'(ft)	5
1	15,30,45	150
TD@4000'		

4000



XLS IN TRAY, ABDT IMBD BIOTITE, FLDSPR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

R.T.D.@ 9:00 PM 10/12/14

CFS 1 HOUR

SHORT TRIP

CTCH 1.5 HOURS

TOFL

WEATHERFORD/ LIBERAL

			CN
1	TD@4000'	100	1000
SAMPLES WILL BE DELIVERED TO KGS			
THANK YOU FOR CHOSING EARTH TECH			
AARON SUELTER			