

1175326

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
--	---

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
----------------	-------	---------	------------	---

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	PLATT GU 6
Doc ID	1175326

Tops

Name	Top	Datum
CHASE	1934	-529
ONAGA	2793	-1388
HEEBNER	3845	-2440
DOUGLAS	4179	-2478
SWOPE LS	4561	-3156
PAWNEE LS	4733	-3328
MISSISSIPPIAN	4836	-3431
KINDERHOOK SH	5113	-3708
VIOLA	5242	-3837
SIMPSON	5356	-3951

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	PLATT GU 6
Doc ID	1175326

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	17.5	13.375	48	226	CLASS A	230	
INTERMEDIATE	12.25	8.625	23	957	CLASS A	250	
PRODUCTION	7.875	5.5	15.5	5483	60/40 POXMIX	50	
PRODUCTION	7.875	5.5	15.5	5483	CLASS H	175	SEE ATTACHED

ALLIED OIL & GAS SERVICES, LLC 059588

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge

DATE <u>9-17-13</u>	SEC. <u>10</u>	TWP. <u>35</u>	RANGE <u>12</u>	CALLED OUT <u>10:00 pm</u>	ON LOCATION <u>11:30 pm</u>	JOB START <u>2:10 AM</u>	JOB FINISH <u>2:35 AM</u>
LEASE <u>Platt</u>	WELL# <u>60-46</u>	LOCATION <u>Hardtner, Kansas, 2E, Barber</u>		COUNTY <u>Kansas</u>	STATE <u>Kansas</u>		
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		South into follow lease Rd 5/0					

CONTRACTOR Minnescah Drilling
 TYPE OF JOB Surface
 HOLE SIZE 17 1/2 T.D. 226'
 CASING SIZE 13 3/8 x 48' DEPTH 226'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 200 MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 30 3/4 Bbls freshwater

OWNER Woolsey Operating
 CEMENT AMOUNT ORDERED
230 sk Class A + 3 1/2 cc + 2 1/2 cc

COMMON <u>A</u>	<u>230 sk @ 17.90</u>	<u>4117.00</u>
POZMIX	@	
GEL	<u>5 sk @ 23.40</u>	<u>117.00</u>
CHLORIDE	<u>9 sk @ 64.00</u>	<u>576.00</u>
ASC	@	
HANDLING	<u>248.78 @ 248</u>	<u>251.26</u>
MILEAGE	<u>11.35 / 25 / 2.60</u>	<u>737.78</u>
TOTAL		<u>5799.04</u>

EQUIPMENT

PUMP TRUCK # <u>474-265</u>	CEMENTER <u>Carl Balding</u>
BULK TRUCK # <u>381-290</u>	HELPER <u>Justin Bower</u>
BULK TRUCK # _____	DRIVER <u>Carl Backley</u>
BULK TRUCK # _____	DRIVER _____

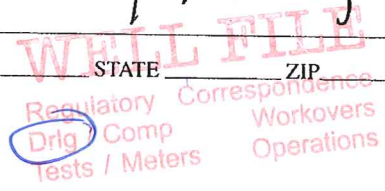
REMARKS:

Thank You

SERVICE

DEPTH OF JOB	<u>226'</u>	
PUMP TRUCK CHARGE	<u>1512.25</u>	
EXTRA FOOTAGE	@	
MILEAGE	<u>25 @ 7.70</u>	<u>192.50</u>
MANIFOLD	@	
<u>h.u</u>	<u>25 @ 4.40</u>	<u>110.00</u>
TOTAL		<u>1814.75</u>

CHARGE TO: Woolsey Operating
 STREET _____
 CITY _____ STATE _____ ZIP _____



To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME MIKE THARP
 SIGNATURE [Signature]

PLUG & FLOAT EQUIPMENT

<u>X</u>	@	
	@	
	@	
	@	
	@	
TOTAL		

SALES TAX (If Any) _____
 TOTAL CHARGES 7613.79
 DISCOUNT Net 5710.34 IF PAID IN 30 DAYS

OCT 15 2013

ALLIED OIL & GAS SERVICES, LLC 059926

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge KS

DATE <u>09/18/13</u>	SEC. <u>10</u>	TWP. <u>35</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Plat 60</u>		WELL # <u>6</u>		LOCATION <u>Kiowa Jct, West past Roundup Rd</u>		COUNTY <u>Forber</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>1/4 mi, North + West into</u>				

CONTRACTOR Nignesch
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 963
 CASING SIZE 8 5/8 DEPTH 956
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 700 MINIMUM
 MEAS. LINE SHOE JOINT 43
 CEMENT LEFT IN CSG. 43
 PERFS.
 DISPLACEMENT 59 BBL Fresh H₂O

OWNER Woolsey
 CEMENT
 AMOUNT ORDERED 250 sx Class A + 3% cc + 2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Jason Thimack
 # 471/265 HELPER David Felib
 BULK TRUCK
 # 364 DRIVER Carl Rackley
 BULK TRUCK
 # DRIVER

COMMON	<u>A 250 sx @</u>	<u>17.90</u>	<u>4475.00</u>
POZMIX		@	
GEL	<u>5</u>	@ <u>23.40</u>	<u>117.00</u>
CHLORIDE	<u>9</u>	@ <u>64.00</u>	<u>576.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>270.58</u>	@ <u>2.48</u>	<u>671.06</u>
MILEAGE	<u>12.33/25/2.60</u>		<u>801.93</u>
			TOTAL <u>6640.99</u>

REMARKS:
 WELL FILL
 Regulatory Correspondence
 PAM / Comp Workovers
 Tests / Motors Operations

CHARGE TO: Woolsey
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 956
 PUMP TRUCK CHARGE 2058.00
 EXTRA FOOTAGE @
 MILEAGE 25 @ 7.70 192.50
 MANIFOLD Lead Pentac @ 275.00
AV 25 @ 4.40 110.00

TOTAL 2636.00

PLUG & FLOAT EQUIPMENT

<u>8 5/8</u>			
Rubber Plug	1	@	<u>73.25</u>
Bucket	1	@	<u>226.50</u>
AF ⁴ insert	1	@	<u>133.75</u>
		@	
		@	

TOTAL 435.50

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____
 TOTAL CHARGES 9712.49
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME MIKE THARP
 SIGNATURE Mike Tharp

NET 7392.74

ALLIED OIL & GAS SERVICES, LLC 059932

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge KS

DATE <u>9/28/13</u>	SEC. <u>10</u>	TWP. <u>35s</u>	RANGE <u>12w</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 PM</u>	JOB FINISH <u>2:00 PM</u>
LEASE <u>Platt GU</u>	WELL# <u>6</u>	LOCATION <u>Kiowa Jet, West to Roundup Rd, 1/4</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)			no more West, North + West into				

CONTRACTOR Minnesech OWNER Woolsey Operating

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 5497

CASING SIZE 5 1/2 DEPTH 5483

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1900 MINIMUM

MEAS. LINE SHOE JOINT 44

CEMENT LEFT IN CSG. 44

PERFS.

DISPLACEMENT 130 BBLs 2% KCL H₂O

CEMENT

AMOUNT ORDERED 90sx 60:40:4% Gel,
175sx Class H + 10% Gypseal + 10% Salt + 6# Kolseal +
.8% FL-160 + 1/4# Floreal, 14 Gal KCL

COMMON <u>54</u> SK @ <u>17.90</u>	<u>966.60</u>
POZMIX <u>36</u> SK @ <u>9.35</u>	<u>336.60</u>
GEL <u>3</u> SK @ <u>23.40</u>	<u>70.20</u>
CHLORIDE @	
ASC @	
<u>H 175</u> SK @ <u>21.20</u>	<u>3710.00</u>
<u>Gypseal 33</u> SK @ <u>37.60</u>	<u>1240.80</u>
<u>Salt 22</u> SK @ <u>26.35</u>	<u>579.70</u>
<u>Kolseal 1200</u> SK @ <u>.98</u>	<u>1176.00</u>
<u>FL-160 150</u> SK @ <u>18.90</u>	<u>2835.00</u>
<u>Floreal 43.75</u> @ <u>2.97</u>	<u>129.93</u>
<u>Clapro 13 Gal</u> @ <u>34.40</u>	<u>447.20</u>
	@
HANDLING <u>362.16</u> @ <u>2.48</u>	<u>898.15</u>
MILEAGE <u>15.52 / 20 / 2.60</u>	<u>809.88</u>
TOTAL <u>13,200.06</u>	

EQUIPMENT

PUMP TRUCK CEMENTER Jason Thimesch

360/302 HELPER Ron Gilley

BULK TRUCK

421/250 DRIVER Aaron Blazi

BULK TRUCK

DRIVER

REMARKS:

Run 5483' 5 1/2 casing

Drop ball + circulate 1 hour

Run 200' + move w/ 60sx 60:40:4

Run 50 sx 60:40:4 scavenger slurry

Run 175sx class + additives

Wash Ann + lines + Release plug

Displace w/ 130 Bbls / Ann plug + floatford

SERVICE

DEPTH OF JOB <u>5483'</u>	
PUMP TRUCK CHARGE <u>2765.75</u>	
EXTRA FOOTAGE @	
MILEAGE <u>20</u> @ <u>7.70</u>	<u>154.00</u>
MANIFOLD @	<u>275.00</u>
<u>HV 20</u> @ <u>4.40</u>	<u>88.00</u>
	@

TOTAL 3282.75

CHARGE TO: Woolsey Operating Co.

STREET _____

CITY _____ STATE _____ ZIP _____

OCT 15 2013

WELL FILE

Regulatory Correspondence
Drig Comp Workovers
Tests Meters Operations

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>	
AFH Float Shoe 1 @	<u>339.30</u>
Latch Down plug 1 @	<u>398.73</u>
Tarbo lizers 12 @ <u>48.30</u>	<u>579.60</u>
Scratchers 20 @ <u>36.00</u>	<u>720.00</u>
	@

TOTAL 2037.63

PRINTED NAME MIKE THARP

SIGNATURE Mike Tharp

SALES TAX (If Any) _____

TOTAL CHARGES 18,520.44

DISCOUNT _____ IF PAID IN 30 DAYS

NET 14,399.73



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating CO LLC

10-35-12 Barber Co

125 N Market
STE 1000
Wichita KS 67202
ATTN: Dean Pattison/ Bill

Platt GU # 6

Job Ticket: 52433

DST#: 1

Test Start: 2013.09.24 @ 04:54:31

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:12:46

Time Test Ended: 17:09:46

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

Interval: 4754.00 ft (KB) To 4912.00 ft (KB) (TVD)

Reference Elevations: 1403.00 ft (KB)

Total Depth: 4912.00 ft (KB) (TVD)

1390.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8676 Outside

Press @ Run Depth: 313.94 psig @ 4755.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.24

End Date:

2013.09.24

Last Calib.:

2013.09.24

Start Time: 04:54:36

End Time:

17:09:46

Time On Btm:

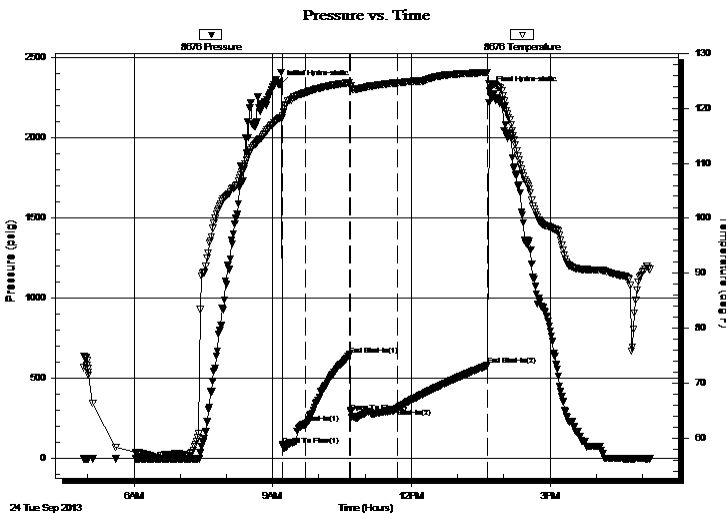
2013.09.24 @ 09:10:01

Time Off Btm:

2013.09.24 @ 13:41:01

TEST COMMENT: IF: Strong blow BOB 2 min
IS: No blow back
FF: Strong blow BOB 2 min
FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2331.40	118.29	Initial Hydro-static
3	81.40	118.73	Open To Flow (1)
33	218.85	122.84	Shut-In(1)
90	648.62	124.66	End Shut-In(1)
92	292.30	123.88	Open To Flow (2)
152	313.94	124.63	Shut-In(2)
269	582.91	126.54	End Shut-In(2)
271	2293.21	124.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MUD	2.52
360.00	Slight Oil Cut Mud	5.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating CO LLC

10-35-12 Barber Co

125 N Market
STE 1000
Wichita KS 67202
ATTN: Dean Pattison/ Bill

Platt GU # 6

Job Ticket: 52433

DST#: 1

Test Start: 2013.09.24 @ 04:54:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.99 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MUD	2.525
360.00	Slight Oil Cut Mud	5.050

Total Length: 540.00 ft Total Volume: 7.575 bbl

Num Fluid Samples: 0

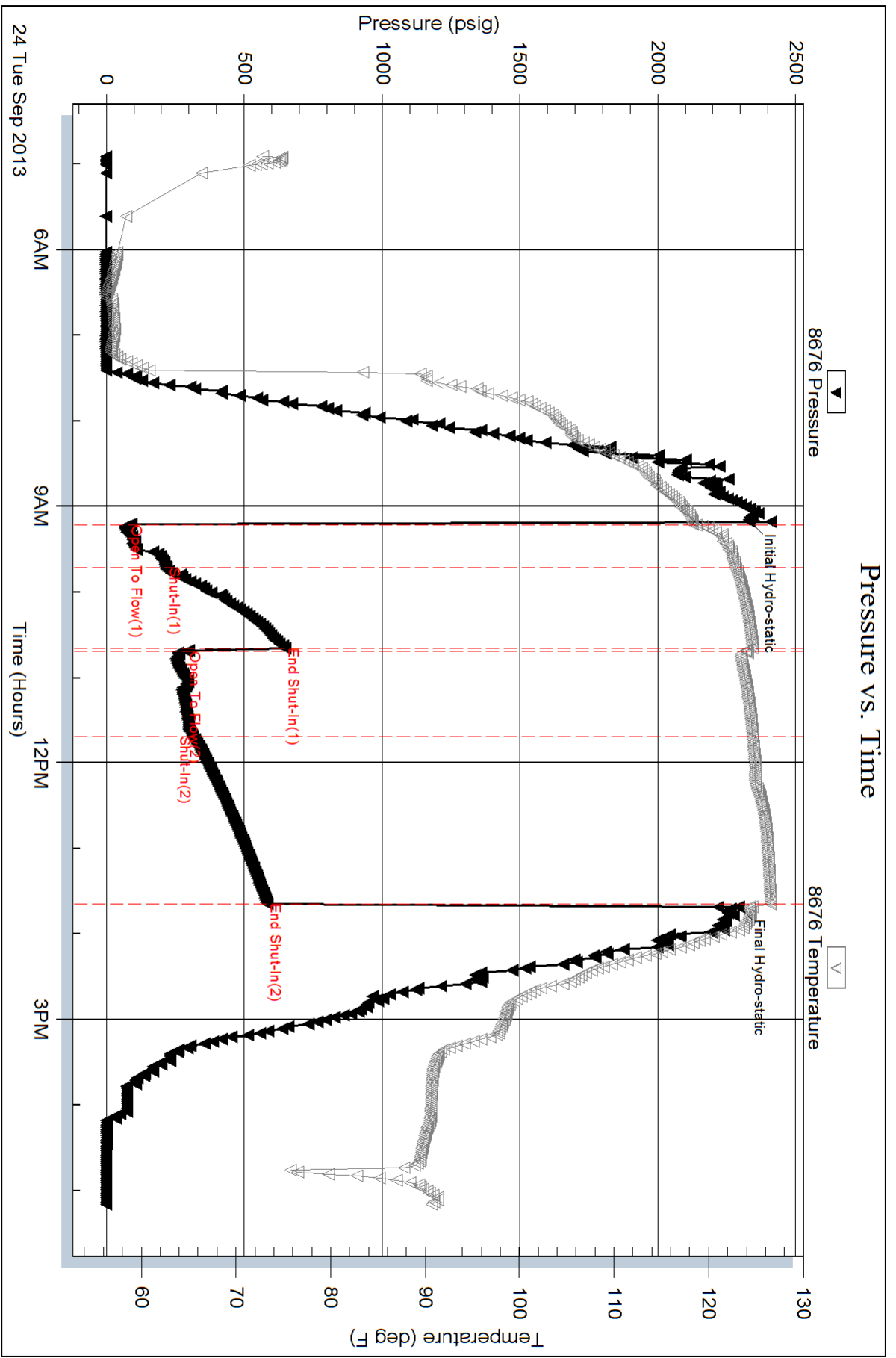
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



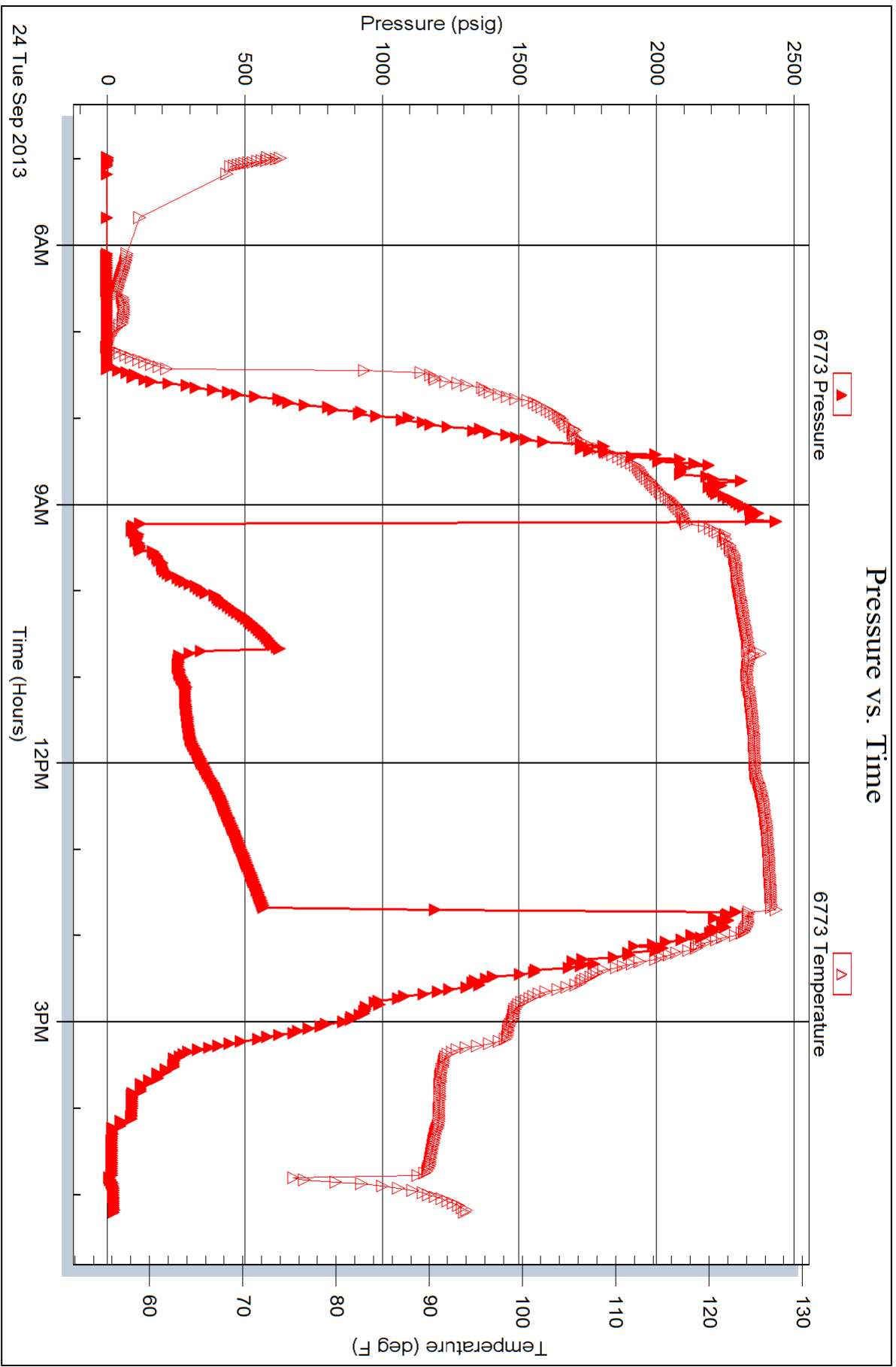
Serial #: 6773

Inside

Woodsey Operating CO LLC

Platt GU# 6

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating CO LLC

10-35-12 Barber Co

125 N Market
STE 1000
Wichita KS 67202
ATTN: Dean Pattison/ Bill

Platt GU # 6

Job Ticket: 52434

DST#: 2

Test Start: 2013.09.26 @ 12:16:40

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:07:10

Time Test Ended: 22:26:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 47

Interval: 5350.00 ft (KB) To 5372.00 ft (KB) (TVD)

Reference Elevations: 1403.00 ft (KB)

Total Depth: 5372.00 ft (KB) (TVD)

1390.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8676 Outside

Press @ Run Depth: 30.42 psig @ 5351.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.26

End Date:

2013.09.26

Last Calib.:

2013.09.26

Start Time: 12:16:45

End Time:

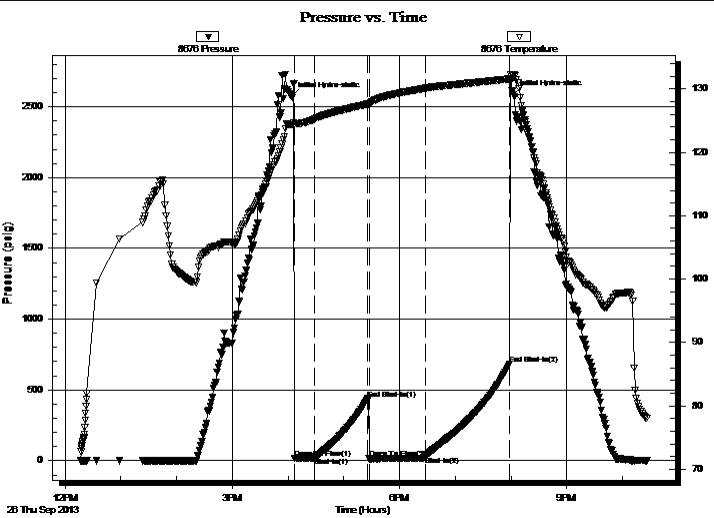
22:26:10

Time On Btm:

2013.09.26 @ 16:03:55

Time Off Btm:

TEST COMMENT: IF: Weak blow 1/2"
IS: No blow back
FF: Strong blow BOB 21 min
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2570.12	124.37	Initial Hydro-static
4	18.50	124.38	Open To Flow (1)
25	23.41	125.26	Shut-In(1)
82	435.06	127.62	End Shut-In(1)
84	14.31	127.65	Open To Flow (2)
144	30.42	130.10	Shut-In(2)
235	685.01	131.60	End Shut-In(2)
239	2586.71	132.27	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	300' GIP	0.00
15.00	O,M 2%oil 98%mud	0.21

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating CO LLC

10-35-12 Barber Co

125 N Market
STE 1000
Wichita KS 67202
ATTN: Dean Pattison/ Bill

Platt GU # 6

Job Ticket: 52434

DST#: 2

Test Start: 2013.09.26 @ 12:16:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 10.79 in³

Resistivity: 0.00 ohm.m

Salinity: 4500.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	300' GIP	0.000
15.00	O,M 2%oil 98%mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

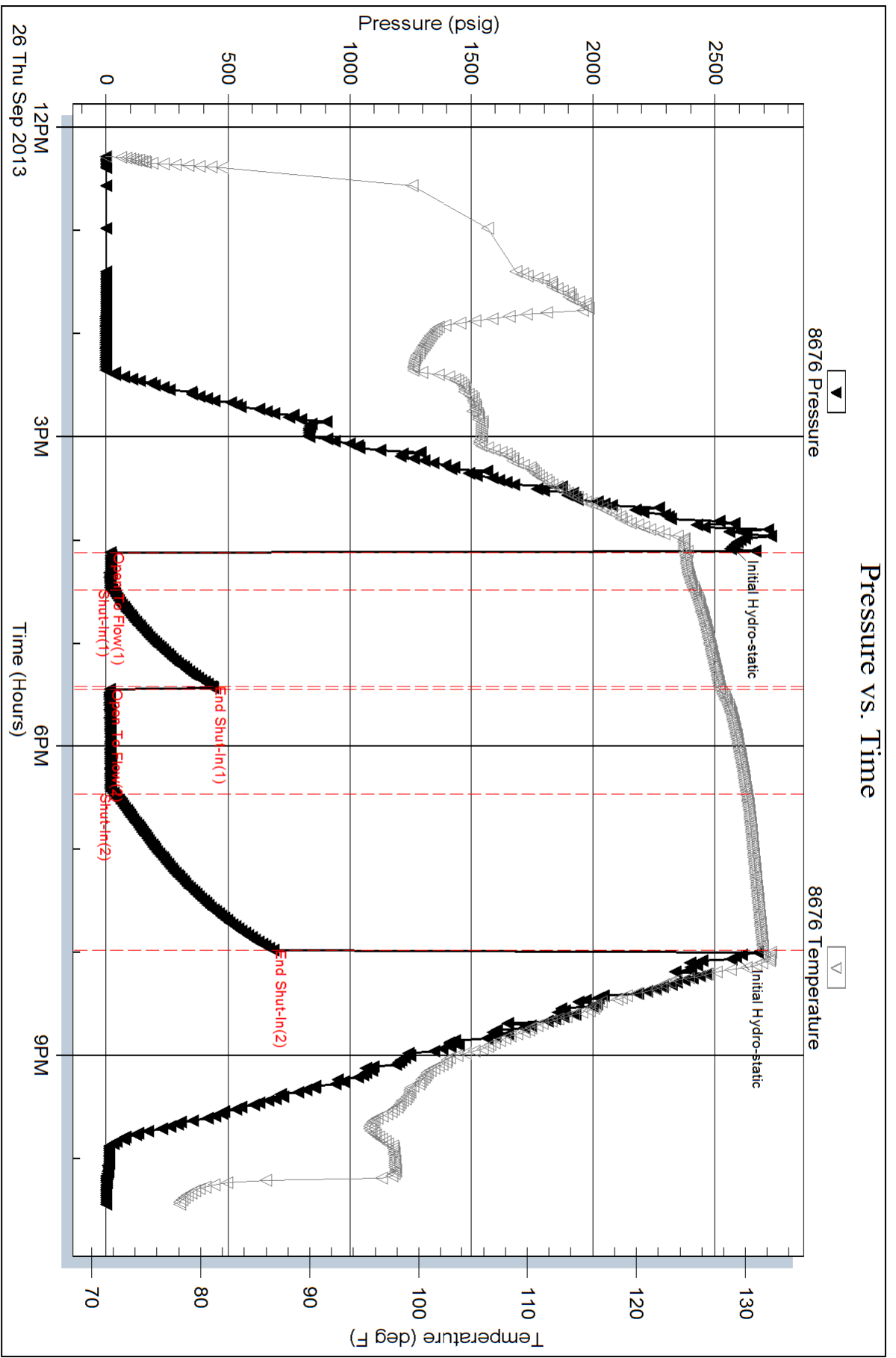
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Woolsey Operating Company, LLC

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

Well Name: Platt #6
Location: Section 10 - Township 35 South - Range 12 West
License Number: 15-007-24070 -00-00 Region: Barber County, Kansas
Spud Date: September 16, 2013 Drilling Completed: September 27, 2013
Surface Coordinates: 2045' FSL & 1920' FWL
Approx. C NE SW

Bottom Hole Coordinates:

Ground Elevation (ft): 1405' K.B. Elevation (ft): 1392'
Logged Interval (ft): 4400' To: 5505' Total Depth (ft): 5505'
Formation: Kansas City ----> Simpson Group
Type of Drilling Fluid: Chemical Mud, Displaced at 3431'

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

OPERATOR

Company: Woolsey Operating Company, LLC
Address: 125 N. Market, Suite 1000
Wichita, KS 67202

GEOLOGIST

Name: Bill Klaver
Company: Woolsey Operating Co. LLC
Address: 125 N. Market, Wichita Kansas, 67202

COMMENTS

Surface Casing: Ran 5 joints of new 13 3/8" X 48#/ft casing to 226' KB (tally 210') with 230 sx Class A, 2% gel, 3 cc. Plug down at 2:30 am on 9/17/2013. Cement did circulate. Lost returns under surface at 645', reamed and rat holed ahead for intermediate casing. Ran 22 joints of new 8 5/8" X 23#/ft casing to 956' KB (tally 942') with 270 sx 60/40 pozmix.

Production Casing: 5 1/2" X 15.5#/ft

Deviation Surveys: 1/2 at 228', 1 at 363', 1 1/4 at 1460', 3/4 at 1817', 3/4 at 2228', 3/4 at 2700', 3/4 at 3207', 1 1/4 at 3748', 1 at 4283', 3/4 at 4726'. 1 at 4912', 3/4 at 5505'

Pipe Strap @ 4910', Strap:4914.83', Board: 4916.62'. Strap 1.79' short. No correction was made to the board.

Ninnescah Drilling Rig 101 Bit Record:

- 1) 17 1/2" HTC RR in at 0, out at 228'. 4.25 hours
- 2) 7 7/8" Varel HE-21 in at 228' out at 645', 5.25 hours
- 3) 12 1/2" Miltooth RR in at 645' out at 963', 8.5 hours
- 4) 7 7/8" Varel HE-21 RR in at 963' out at 4910', 96 hours
- 5) 7 7/8" Varel HE-34 in at 4910', out at 5505', 593'. 43.5 hours

Gas Detector: Woolsey Operating Company, Gas Trailer #2

Mud System: Mud-Co. Brad Bortz, Engineer

DSTs: Trilobite Testing Co. Chris Staats, Tester

E-Logs: Nabors Completion and Production Services, Dual Induction Laterolog w/SP, CNL-FDC w/PE, Gamma Ray and Caliper. Jason Capellucci, Engineer

DSTs

DST #1 Mississippian. 4754'-4912', 30"-60"-60"-120". Strong blow BOB in 2 minutes of both flow periods. No blow back on either shut in period. Recovery: 180' Drilling Mud, 360' SOCM (<1% Oil). IHP 2331, IFP 81-218, ISIP 648, FFP 292-313, FSIP 582, FHP 2293. BHT 125 degrees.

DST #2 Simpson 'F' Dolomite, 5350'-5372', 30"-60"-60"-90". Weak 1" blow during initial flow period, Fair to strong blow BOB 21 minutes into final flow period. Rec: 300' GIP, 15' OCM (2% Oil, 98% Mud), IHP 2570, IFP 18-23, ISIP 435, FFP 14-30, FSIP 685, FHP 2586. BHT 131 degrees.

CREWS

Rich Barriger, Tool Pusher

Jason Barriger, Days

Juan Navarro, Evening

Ronaldo Guerrero, Morning

Oscar Orona, Relief

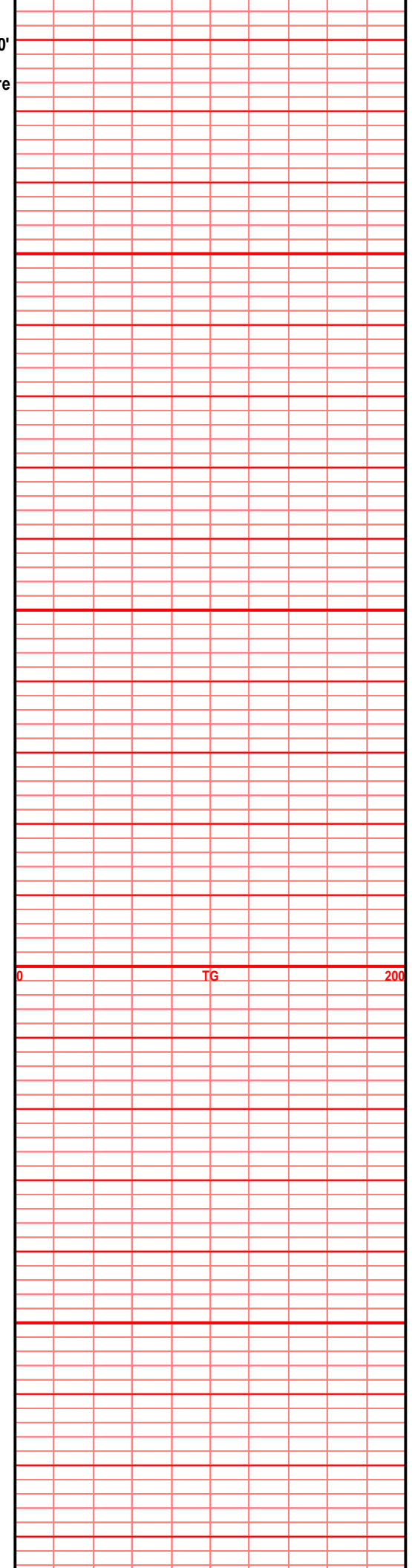
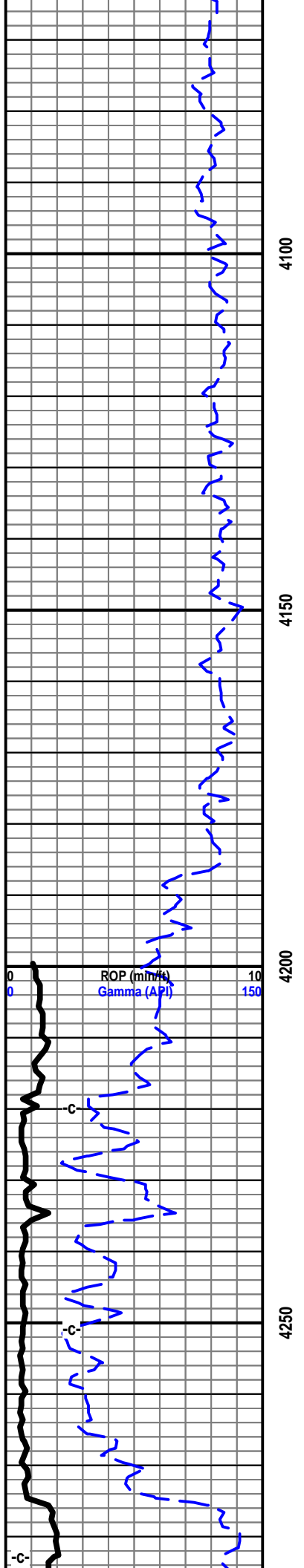
One foot drill time was recorded from 4400' to RTD. 10' and circulating samples were gathered from 4600' to RTD. All samples were delivered to the Survey

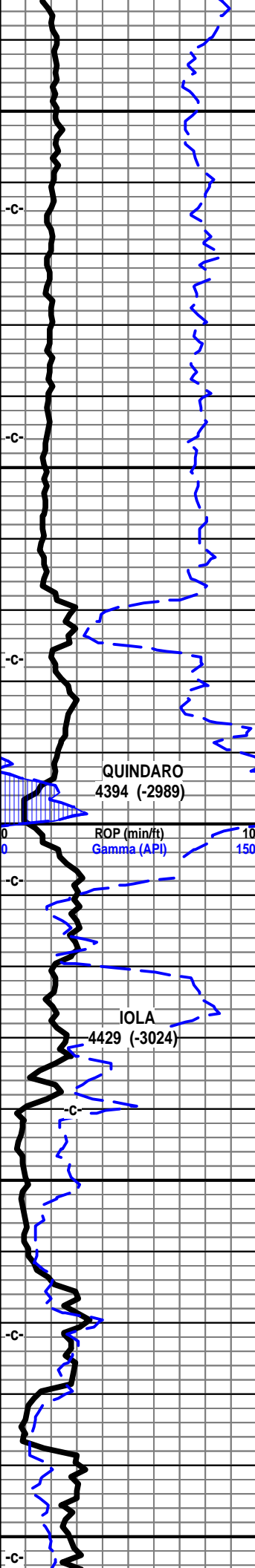
7 am Progress:

September 16, 2013 MIRT/SPUD
September 17, 2013 WOC
September 18, 2013 Lost returns at 645'
September 19, 2013 Drilling at 1040'
September 20, 2013 Drilling at 2151'
September 21, 2013 Drilling at 3040'
September 22, 2013 Drilling at 3905'
September 23, 2013 Drilling at 4606'
September 24, 2013 TIH w/DST 1 at 4912'
September 25, 2013 Drilling at 5043'
September 26, 2013 Drilling at 5336'
September 27, 2013 Drilling at 5420'
E-Logs out 10:30 pm.

E-Log Tops:

Herington 1933 (-528)
Onaga 2792 (-1387)
Wabaunsee 2852 (-1447)
LeCompton 3524 (-2219)
Kanwaka 3647 (-2242)
Elgin Sand 3685 (-2280)
Heebner 3844 (-2439)
Toronto 3857 (-2452)
Douglas Group 3884 (-2479)
Haskell Not present
Stalnaker 4178 (-2773)
Quindaro 4387 (-2982)
Kansas City 'F' 4400 (-2995)
Kansas City 'G' (Iola) 4422 (-3017)
Kansas City 'I' (Dennis) 4504 (-3099)
Stark 4548 (-3143)
Kansas City 'J' (Swope) 4560 (-3155)
Hushpuckney 4582 (-3177)
Kansas City 'K' (Hertha) 4596 (-3191)
B/Kansas City 4631 (-3226)
Pawnee 4733 (-3328)
Cherokee Group 4773 (-3328)
Cherokee Sand 4803 (-3398)
Mississippi 4836 (-3431)
C3 4839 (-3434)
C2A 4856 (-3451)
C2 4896 (-3491)
C1 4962 (-3557)
Osage 5065 (-3660)
Northview Shale 5077 (-3672)
Compton 5097 (-3692)
Kinderhook 5113 (-3708)
Woodford 5188 (-3783)
Misener Sand 5213 (-3808)
Viola 5241 (-3836)
Simpson Group 5356 (-3951)
Simpson 'F' Dolomite 5357 (-3952)
Wilcox Sand 5378 (-3973)
McLish Shale 5445 (-4040)

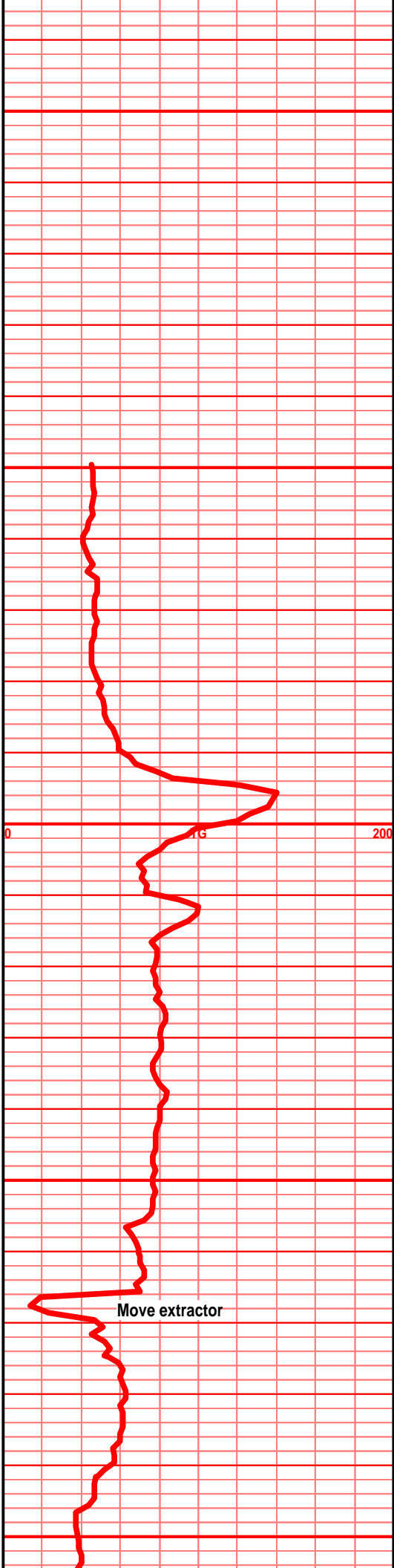


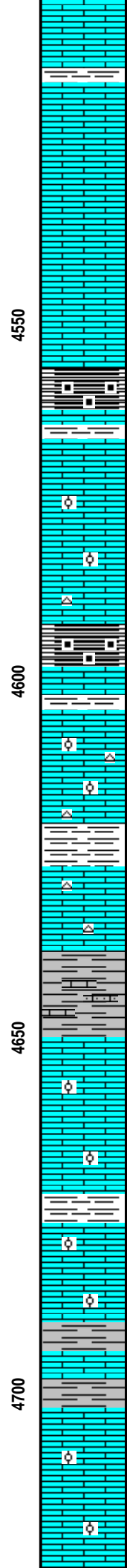
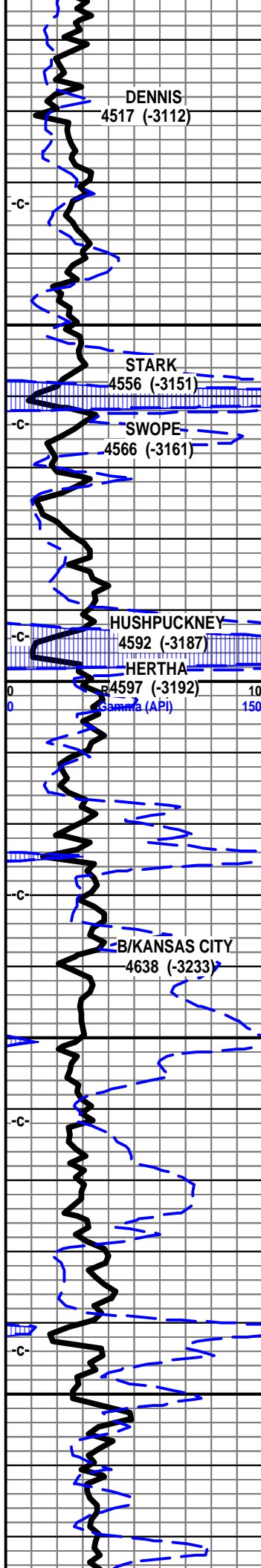


4300
4350
4400
4450
4500



- Oil and Gas Show Legend
- ⊗ Gas
 - Even Stain/Saturation
 - ◐ Spotted Stain/Saturation
 - Questionable
 - ◑ Dead/Gilsonitic Stain





lst off wht crm tan f xln blk ang sub chlky, foss frags, foss ool/pelletal, chrt wht lt gry shrp frsh

shl drk gry blk, blk carb, wxy grsy text, abun gas bubs, blk ang pcs

shl gry drk gry, lst tan crm, sli buff, f xln blk ang sub chlky pcs, foss frags, foss ool, chrt off wht lt gry shrp frsh opa

lst off wht tan lt gry in prt, f sli med xln, gran sub chlky, calc xln fill, tr foss frags, tr foss ool, tr chrt wht lt gry shrp frsh opa

lst tan lt gry off wht f vf xln dns hrd blk ang arg in prt, sub chlky, tr foss frags, chrt tan brn shrp frsh opa

shl gry drk gry brn silty gritty, lst dull gry tan, xln dns hrd blk ang arg silty

gry green silty limy shls, lst tan gry lt green silty gritty, arg, calc in prt, shls gry green brn silty gritty calc

lst tan gry tr buff f vf xln dns hrd blk ang pcs tr sub chlky, micor foss frags, calc xln fill, shls gry green silty gritty calc

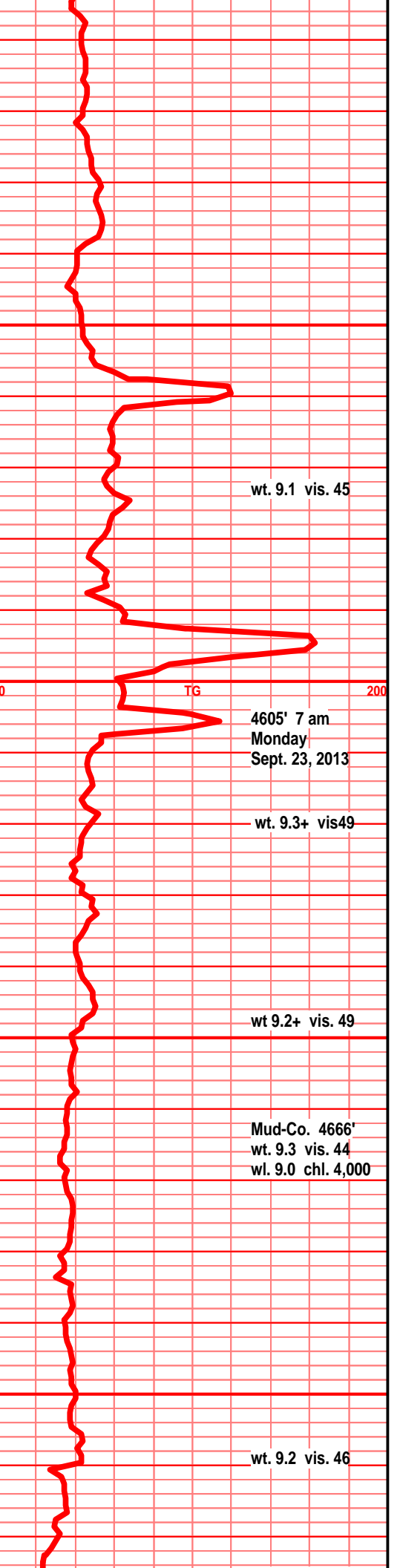
lst crm buff tan f sli vf xln dns hrd blk ang, tr sub chlky, foss frags, micro ool/pelletal, calc xln fill

shl gry drk gry blk, silty gritty, lst crm tan buff, f vf xln dns hrd blk foss frags, micro ool/pelletal, calc xln fill

shl gry blk, silty gritty in most, lst tan buff crm, f vf xln dns hrd blk ang pcs, micro foss, frags/ool/pelletal, calc xln fill

lst buff tan crm f vf xln blk ang dns hrd pcs, sub chlky, foss frags, micro ool, micro pelleta calc xln fill,

lst crm tan buff f vf xln dns hrd blk ang tr su



wt. 9.1 vis. 45

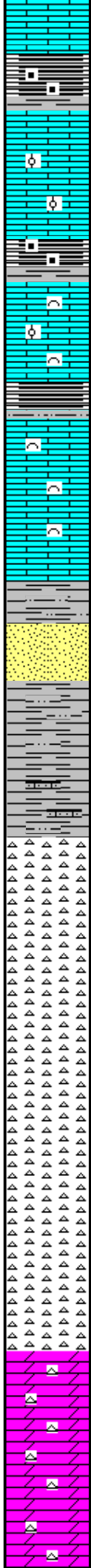
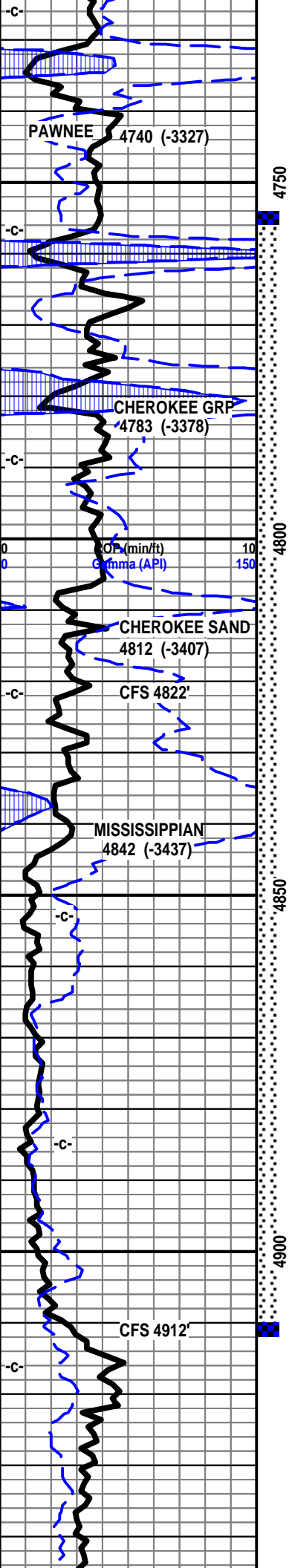
4605' 7 am
Monday
Sept. 23, 2013

wt. 9.3+ vis.49

wt 9.2+ vis. 49

Mud-Co. 4666'
wt. 9.3 vis. 44
wl. 9.0 chl. 4,000

wt. 9.2 vis. 46



lst chrt tan buff f vf xln dns hrd blkly ang tr su
chlky, micor foss frags, tr chrt wht shrp opa

shl gry drk gry blk carb, blkly ang pcs, wxy
grsy text, gas bubs

lst crm tan mstly buff f xln gran sub chlky foss
frags, foss ool, micro ool/pelletal, calc xln fill,
tr inter ool por, tr inter xln por, mstly dns hrd,
tr sli sub chlky in some

shl gry drk gry blk, wxy grsy text, gas bubs, ls
tan buff f vf xln dns hrd blkly ang dns micro
foss frags, micro ool, tr sub chlky,

lst tan buff vry lt gry f vf xln dns hrd blkly tr
sub chlky, foss frags, foss ool/pelletal, calc
xln fill

shl gry blk carb in rpt, wxy grsy text abun gas
bubs, lst tan buff lt gry f vf xln dns hrd blkly
ang pcs, tr sub chlky, foss frags, pelletal/ool,
calc xln fill

lst crm tan lt gry f vf xln blkly ang dns, sli
chlky, gran, soft, foss frags, micro foss frags,

shl gry med gry soft mushy gritty,
sst drk tan/gry mstly brn clstrs, f vf grnd, sub
ang to sub rded grns, w/srted, fair to well cem,
tr sub fria, mstly blkly ang hrd clstrs, tr inter
grn por, drk brn/blk stain, filmy SFO, gas bubs
& odor on break

shl gry green, maroon, reds, yellow blue gry
green vari color, silty, sndy gritty, snd grn
inclu, pyritic, etc. much Cke sd material in spl

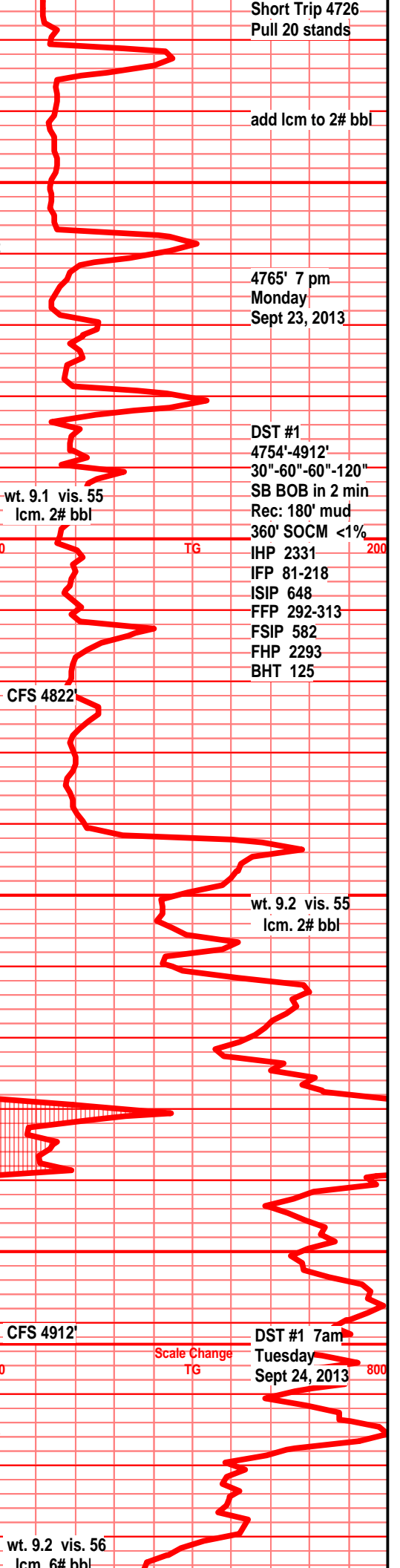
chrt off wht tan lt gry, tr smokey gry, shrp frsh
opaq, blkly ang pcs, w/weath tr gran sub
gran/sli spongy edge, tr foss, vis frac por, tr
weath sli trip text edge, pp moldic vug por, fair
odor, lt tan/drk brn stain, gas bubs, filmy SFO,
SFO on brk

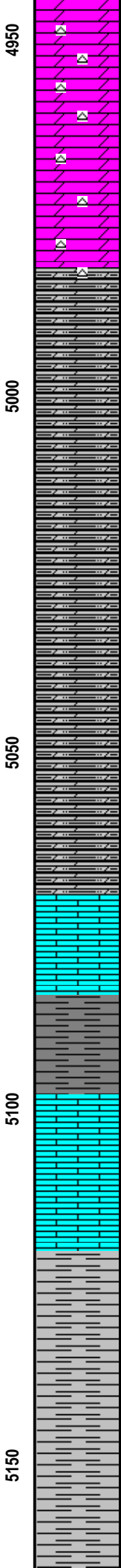
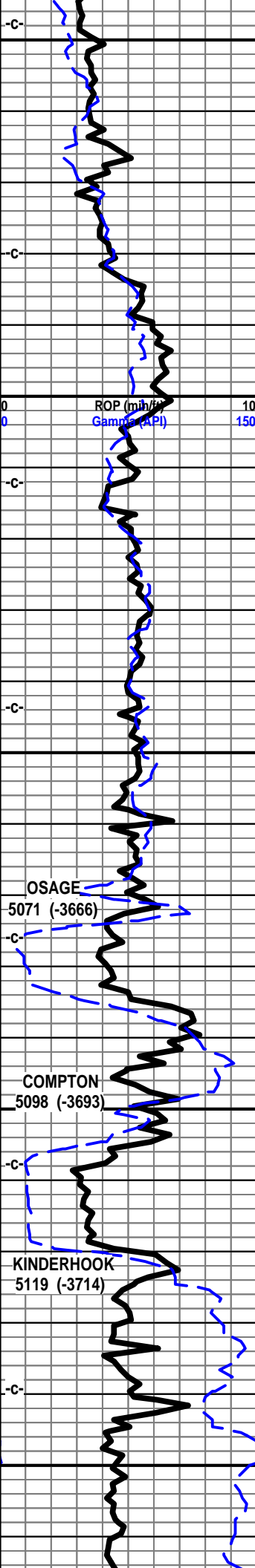
chrt off wht lt tan lt gry tr lt smokey, shrp frsh
opaq, blkly ang pcs, chrt wht tan brn mott, frst
w/tan brn gran sli trip text edges/sides, tr
spongy text, pp moldic vug por, inter gran
por, frac por, tan brn stained edges, tan brn
stain, filmy SFO, gas bubs on break, fair to
good odor in all

chrt wht, off wht, tan lt gry, shrp frsh opa

dolo, chrt dolo, lt gry tan f xln gran, sli silty,
gritty, with wht lt gry shrp frsh chrt inclu, dolo
with lt tan brn stain, tr gas bubs/SSFO on
break, gd stain along dolo/chrt contact, sli
odor, tr inter xln por, chrt with tr weath text
edge w/stain

dolo, chrt dolo, lt gry tan f tr vf xln dns blkly
ang hrd pcs, sli silty, gritty, tr inter xln por, tan
lt brn stain, gas bub, filmy SFO on brk, chrtly
and chrt inclu wht tan lt gry, shrp frsh with t





and chrt incl, wht tan lt gry, shrp frsh with
weath edge text, tr pp moldic por, tan brn
stain, sli odor in all

dolo gry bec med gry, f vf xln dns hrd blk ang
pcs, incr silty, gritty, arg, calc content, chrt
wht shrp frsh opa, tr rare stain, odor gone

dolo gry med gry, f vf xln silty gritty, blk ang
pcs, silty silty semi calc dolostn, chrt wht shrp
frhs opa

dolo gry , med gry f vf xln dns hrd blk ang
silty gritty pcs, chrt wht shrp opa, incr gry
silty calc dolo stn,

dolo, silty calc dolo stn, gry med gry bec drkr,
f vf xln gran gritty, silty,

dolo drk gry f vf xln silty gritty dns gran gry
drk gry dolo silts, tr chrt dull gry tan shrp frsh
opa

dolo silty dolostn med drk gry, vf xln gran
gritty silty, shlr drk gry blk silty gritty dolo

dolo, silty sli calc dolo stn, drk gry, vf xln,
gritty silty blk ang pcs, incr drk gry sli blk
silty shls

dolo silty dolo f vf xln, dns hrd blk, med to
drk gry, silty gritty, arg, shl drk med dk gry
silty gritty

dolo silty dolo f vf xln blk ang dns hrd silty
gritty, calc in prt, tr rare wht shrp frsh opa
chrt shard

dolo stn, drk gry, f vf xln gran silty, calc, dns
hrd, blk ang pcs, shls gry silty gritty calc

1st crm off wht tan f sli med xln blk ang sub
chky pcs, crs calc xln fill, tr foss frags, tr min
fill, tr pyritic, tr glau, tr chrt wht shrp frsh
opa (first found in 5090' spl) 5100' spl aa with
shl gry, gry green, silty gritty,

1st crm dull wht sli gry/green tint, f vf xln dns
massive hrd blk ang pcs, tr crs calc xln fill, tr
sub chky, tr glau, spls wsh semi wht.

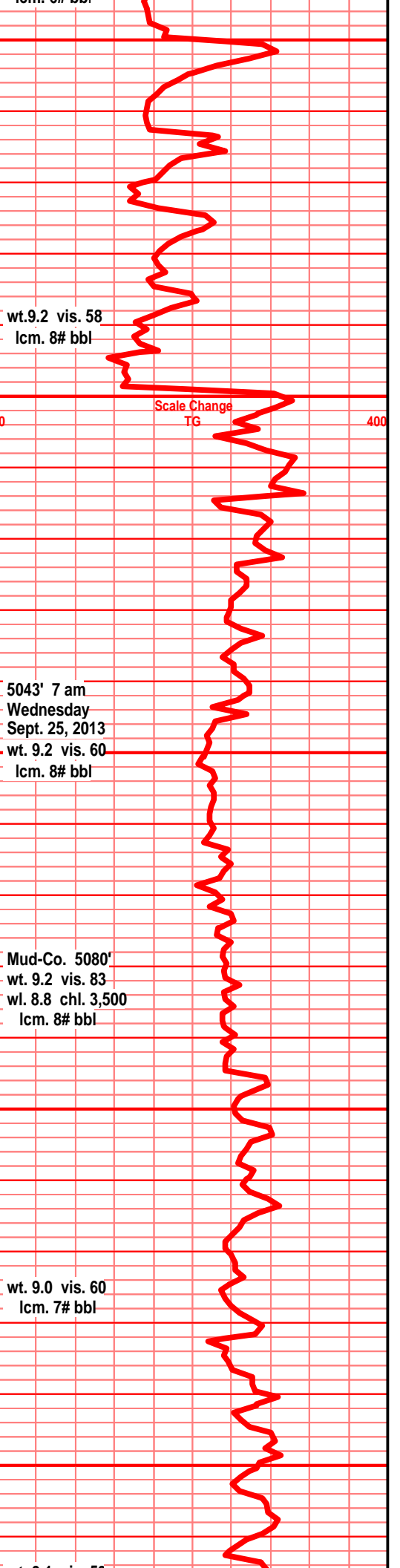
1st crm dull wht sli gry/green tint, f vf xln dns
hrd blk ang pcs, sub chky in prt, tr crs calc
xln fill, spls wsh semi wht

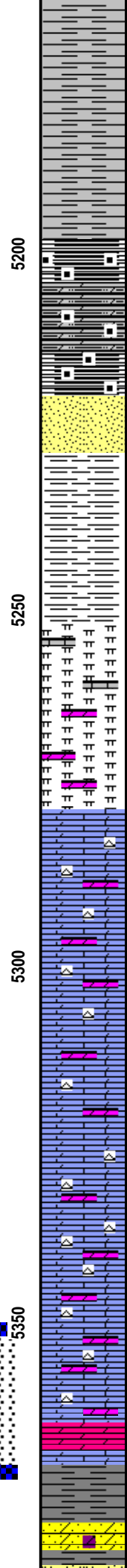
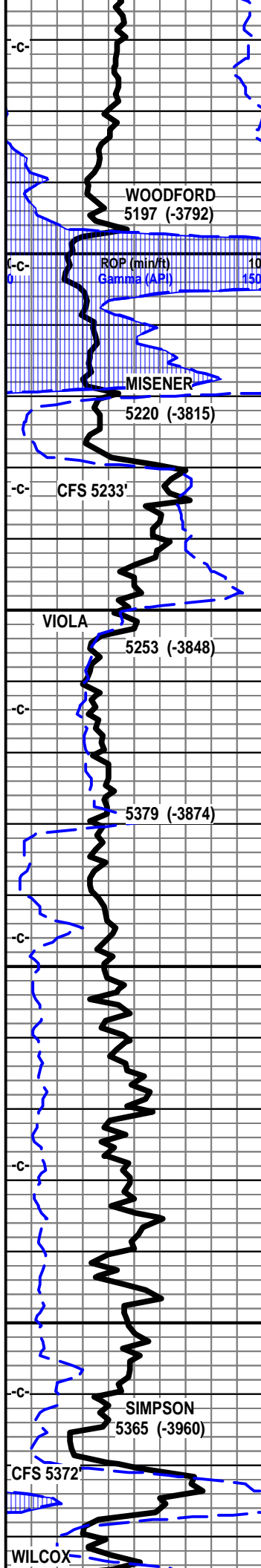
shl lt gry, tr brn, tr med gry silty gritty, soft
pasty on brk

shl lt-med gry silty gritty, w/snd grn inclu, tr
pyritic,

shl gry med gry, tr brownish, silty gritty, vfn
snd grn inclu, tr pyritic, tr blk carb flecks, ddrk
reddish blk, silty gritty, gas bubs on
break/smash

shl gry med to drk gry, some blk, silty gritty,





soft grn bedded/banded

shl gry, med to drk gry, brownish blk, bedded, banded silty gritty

shl gry dkr gry blk, silty gritty, soft, gran in prt tr gas bubs, tr pyritic, beds/banded

shl drk gry, mstly blk, drk brn, deep brownish blk, tr blk carb text, silty gritty, blk ang soft pcs, pyritic, dull min copper grains, abun gas bubs, filmy cond shows.

shl drk gry blk, deep red/brn/blk, blk ang pcs, sli silty dolo in prt, soft gran in prt, pyritic, abun gas bubs, filmy show

sst wht clr semi frosty clstrs, f sli med grnd, sub ang to ang grns in prt, prly to well srtd, crs ang snd grn inclu, sub fria to tite, quartziti text in some, NS, tr clay clasts, mineral fill, tr pyritic fill, clstrs mstly blk ang hrd, shl gry/green soft

shl lt med gry, gry green, blk hrd pcs, tr gritty, silty

dolo, silty dolo stn, lt gry f xln gran soft chlky mushy, silty gritty, tr calc,

dolo silty gritty dolo shls, silts, gry tan tr lt brn, soft gran mushy, gritty, sli chlky, spls ws wht

dolo, lt gry tan tr lt brn silty gritty, soft gran, shls lt gry tan dolo silty gritty, soft, chlky, spls wsh wht

lst off wht lt gry mott f sli med xln blk ang dns pcs, crs xln in prt, pyritic, tr inter xln por, mstly dns tite, chrt in prt, chrt wht gry shrp frsh opa

lst wht dull wht f med xln blk ang dns, w/crs calc xln faces, gd inter xln por, pyritic inclu, lst, sli dolo in prt, off wht lt gry mott, f sli med xln blk ang dns hrd pcs, pyritic, tr chrt, chrt off wht lt gry shrp frsh opa

lst tan gry mott f sli med xln, blk ang pyritic tr crs xln pcs, pyritic inclu, lst, dolo in prt, tan dull tan brn f sli med xln, blk ang dns hrd chrt, chrt dull tan shrp frsh semi opa, pyritic foss inclu, dolo tan brn mott, f xln gran soft chlky gritty,

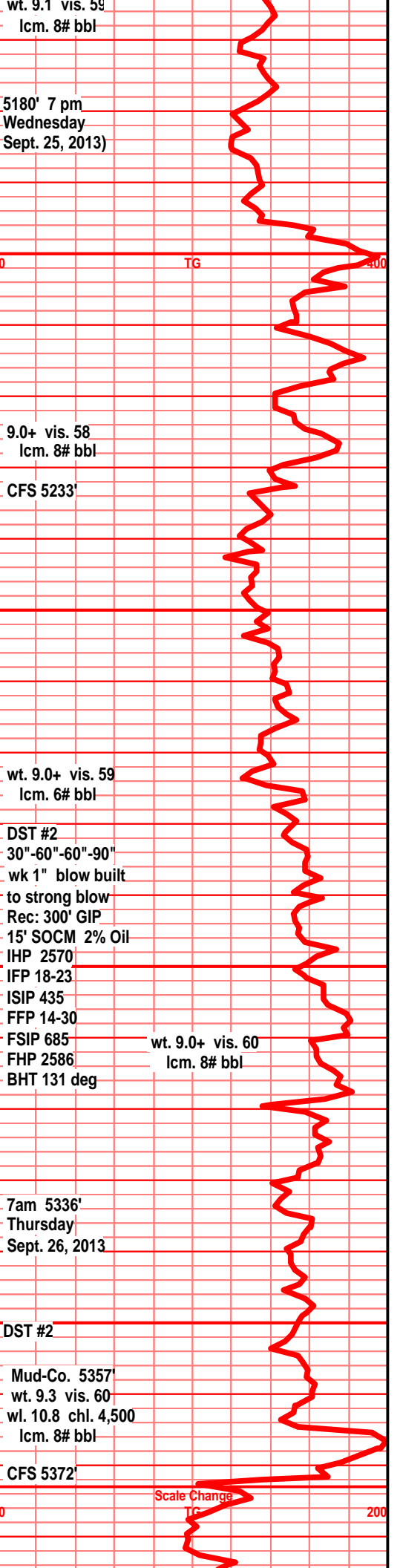
lst, dolo in prt, gry tan lt brn mott, f sli med xln in prt, tr soft sub chlky in prt, gran blk ang pcs, chrt in prt, chrt dull tan brn shrp frsh semi opa,

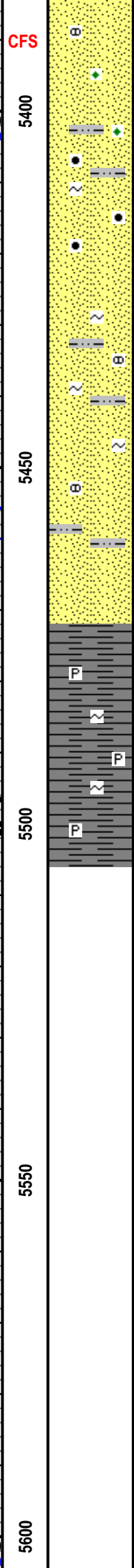
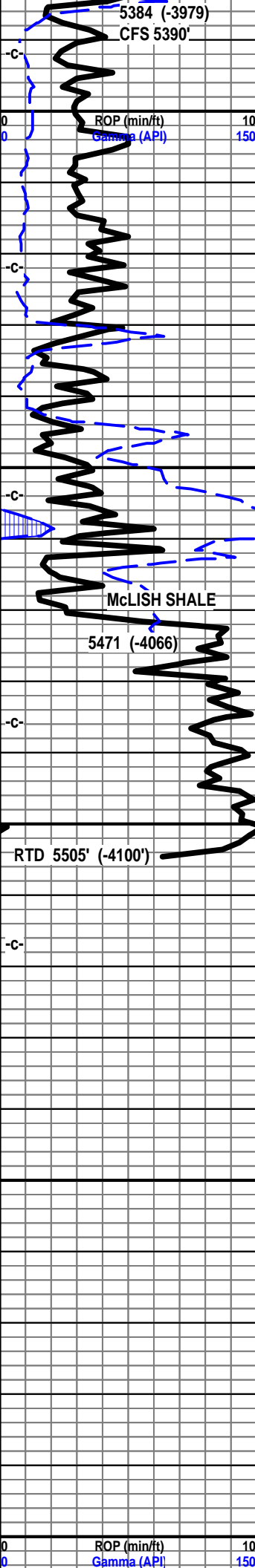
lst, dolo in prt, gry tan off wht mott, f sli med xln dns hrd ang blk pcs, gran soft sub chlky in prt, chrt, chrt gry dull tan shrp frsh opa,

dolo drk tan brn f sli med xln, gran sli suc text, sndy gritty text, snd grn inclu, tr sub chlky, tr inter xln por, mstly soft mushy, brn stain, tr gas bubs & filmy SFO on break, odor??

shl gry green teal green, sst gry, green tint, dolo, f grnd, sub rded, prly srtd, w/cem silic cem pyritic, dns tite

sst clr frosty tan clstrs, f grnd, sub ang tr





5384 (-3979)
CFS 5390'

ROP (min/ft) 10
Gamma (API) 150

5400

5450

5500

5550

5600

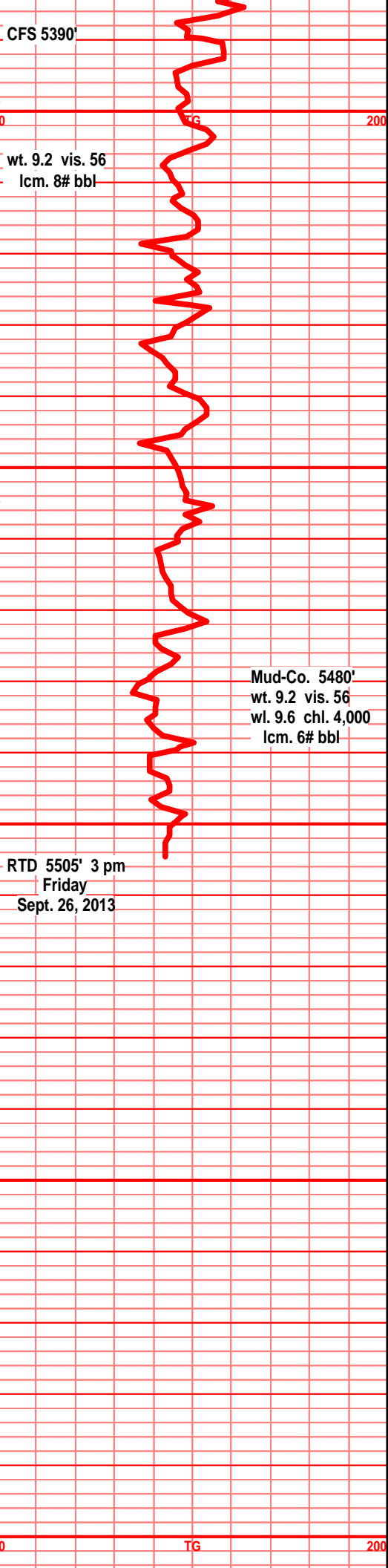
ROP (min/ft) 10
Gamma (API) 150

5384 (-3979)
CFS 5390'

5471 (-4066)

McLISH SHALE

RTD 5505' (-4100')

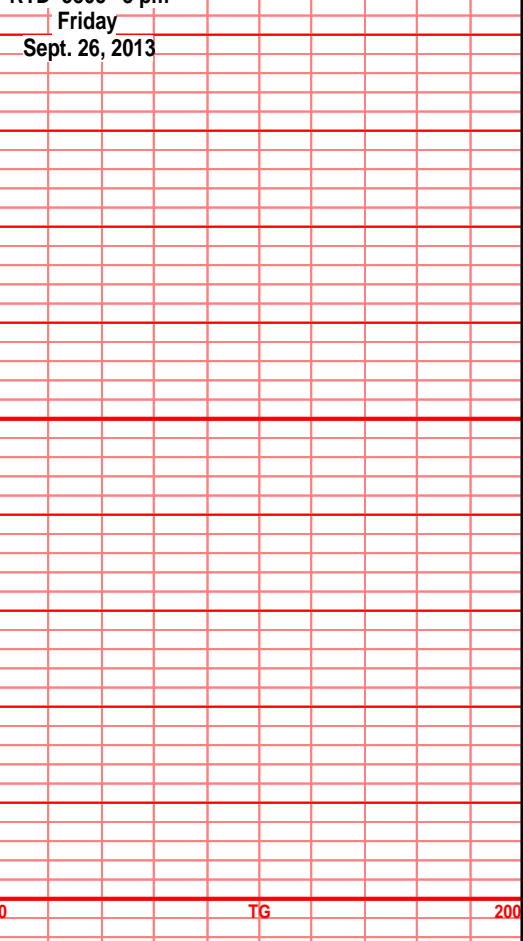


5390'

wt. 9.2 vis. 56
lcm. 8# bbl

Mud-Co. 5480'
wt. 9.2 vis. 56
wl. 9.6 chl. 4,000
lcm. 6# bbl

RTD 5505' 3 pm
Friday
Sept. 26, 2013



RTD 5505' 3 pm
Friday
Sept. 26, 2013

Bill Klaver

Geologist

00

5650

Woolsey Operating Company
 Platt GU #6
 2045' FSL & 1920' FWL
 Approx. C NE SW
 Section 10-TWP 35S-Rge 12W
 Hardtner Field
 Barber County, Kansas
 API# 15-007-24070-00-00

Bill Klaver

Geologist