



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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 11, 2011

DEAN PATTISSON  
Woolsey Operating Company, LLC  
125 N MARKET STE 1000  
WICHITA, KS 67202-1729

Re: ACO1  
API 15-007-23720-00-00  
WECKWORTH 3  
SW/4 Sec.09-35S-12W  
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
DEAN PATTISSON

# ALLIED CEMENTING CO., LLC. 040728

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*McIntosh*

DATE <u>6-16-11</u>	SEC <u>9</u>	TWP. <u>35S</u>	RANGE <u>12W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30pm</u>	JOB FINISH <u>3:00pm</u>
LEASE <u>Wellworth</u>		WELL # <u>3</u>		LOCATION <u>Hadhacks, 1/2 E S into post</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>pumping unit S+E to R3</u>			

CONTRACTOR <u>Orke #10</u>	OWNER <u>Woolsey Operating</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>14 3/4</u>	T.D. <u>235'</u>
CASING SIZE <u>10 3/4</u>	DEPTH <u>230'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>300 psi</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>20'</u>	
PERFS.	
DISPLACEMENT <u>22 bbls Had</u>	

CEMENT	
AMOUNT ORDE	<u>160 sx class A</u>
	<u>+ 3 1/2 gal + 2 1/2 gal</u>
COMMON	<u>A. 160 sx @ 16.25 2600.00</u>
POZMIX	@
GEL	<u>3 sx @ 21.25 63.75</u>
CHLORIDE	<u>6 sx @ 58.20 349.20</u>
ASC	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	<u>169 @ 2.25 380.25</u>
MILEAGE	<u>169 / 11 / 20 371.80</u>
	<b>TOTAL 3765.00</b>

**EQUIPMENT**

PUMP TRUCK	CEMENTER <u>Mark Thomas</u>	
# <u>352</u>	HELPER <u>David West</u>	
BULK TRUCK		
# <u>356/250</u>	DRIVER <u>David Egan</u>	
BULK TRUCK		
#	DRIVER	

**REMARKS:**

Bdk crew with truck pump 5 bbls Had  
mtr sk cement disp 22 bbls Had  
shut in cement did calculate

**SERVICE**

DEPTH OF JOB <u>230'</u>	
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>40 @ 7.00 280.00</u>
MANIFOLD	@
<u>Light Vehicle 40</u>	<u>@ 4.00 160.00</u>
	@

**TOTAL 1565.00**

CHARGE TO: Woolsey Operating

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

**TOTAL \_\_\_\_\_**

To Allied Cementing Co., 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 5330.00

DISCOUNT 20% IF PAID IN 30 DAYS

NET - 4264.00

PRINTED NAME X \_\_\_\_\_

SIGNATURE \_\_\_\_\_

ice  
ers  
ions

# ALLIED CEMENTING CO., LLC. 042104

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Medicine Lodge KS

DATE <u>06-27-11</u>	SEC. <u>09</u>	TWP. <u>35s</u>	RANGE <u>12w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>10:45 AM</u>
LEASE <u>Week Work</u>	WELL # <u>3</u>	LOCATION <u>Handman KS, 12e, s/s</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke #10  
 TYPE OF JOB Production Casing  
 HOLE SIZE 7 7/8 T.D. 5525  
 CASING SIZE 5K DEPTH 5392  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1600 MINIMUM -  
 MEAS. LINE SHOE JOINT 44  
 CEMENT LEFT IN CSG. 44'  
 PERFS.  
 DISPLACEMENT 129 Bbls 2% KCL Water

OWNER Woolsey  
 CEMENT  
 AMOUNT ORDERED 90s x 60:40:4% gel @ 1.50/sx  
class H + 10% gyp + 10% salt + 6% Kalseal + .8% FL-160  
+ 1/4 # Flo Seal @ 13 gal Clap co

EQUIPMENT  
 PUMP TRUCK CEMENTER D. Felio  
 # 360-265 HELPER M. Thimesch  
 BULK TRUCK  
 # 421-252 DRIVER D. Elam  
 BULK TRUCK  
 # DRIVER

COMMON <u>A</u>	<u>54</u>	@	<u>16.25</u>	<u>877.50</u>
POZMIX	<u>36</u>	@	<u>8.50</u>	<u>306.</u>
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE		@		
ASC <u>class H</u>	<u>150</u>	@	<u>19.25</u>	<u>2887.50</u>
<u>gyp seal</u>	<u>14</u>	@	<u>34.20</u>	<u>478.80</u>
<u>salt</u>	<u>16</u>	@	<u>12.00</u>	<u>192.00</u>
<u>Kalseal</u>	<u>900</u>	@	<u>.89</u>	<u>801.00</u>
<u>FL-160</u>	<u>112</u>	@	<u>17.20</u>	<u>1926.40</u>
<u>Flo Seal</u>	<u>27</u>	@	<u>2.70</u>	<u>99.90</u>
<u>KCL</u>	<u>13</u>	@	<u>31.25</u>	<u>406.25</u>

**WELL FILE**  
 Regulatory Correspondence  
 Drilling Comp Workovers  
 Meters Operations

HANDLING 295 @ 2.25 663.75  
 MILEAGE 295/20/1.1 647  
 TOTAL 9351.85

REMARKS  
Pipe on Btm Break Casing, Plug Rat & Mouse holes.  
w/ 40s x 60:40 cement, Pump 50s x Scavenger  
Cement, Mix 150s x Tail Cement, Stop Pump,  
Wash Pump & Lines, Release Plug, Start Disp.  
w/ 2% KCL water, See steady increase in PSI,  
Slow Rate, Bump Plug at 129 Bbls total Disp.  
Release PSI, Floats Did Hold

**SERVICE**

DEPTH OF JOB	<u>5392</u>		
PUMP TRUCK CHARGE	<u>2695.</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>40</u>	@	<u>7.</u> <u>280.00</u>
MANIFOLD <u>Head Rental</u>		@	<u>20.</u> <u>200.00</u>
<u>Light Vehicle (40)</u>		@	<u>4</u> <u>160.00</u>

CHARGE TO: Woolsey Oper.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 3335.85

**PLUG & FLOAT EQUIPMENT**

1- AFU Float Shoe	@	<u>349.</u>	<u>349.</u>
1- Catch Down Plug Assy	@	<u>277.</u>	<u>277.</u>
10- Turbo Lizers	@	<u>80.00</u>	<u>800.00</u>
16- Recip. Scrubbers	@	<u>76.00</u>	<u>1216.00</u>

TOTAL 2642.

To Allied Cementing Co., 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 15328.85

PRINTED NAME Allen F. Dick

DISCOUNT 20% IF PAID IN 30 DAYS

SIGNATURE Allen F. Dick

(Net 12 263.08)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co.  
125 N Market Ste 1000  
Wichita, KS 67202  
ATTN: Bill Klaver

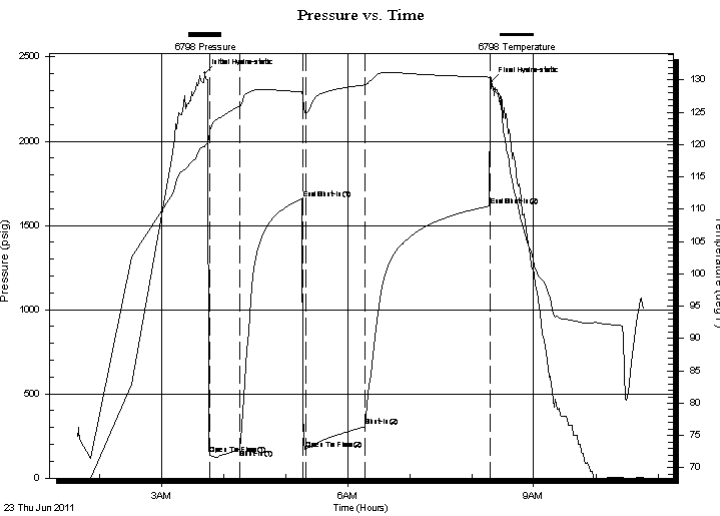
**Weckworth # 3**  
**9-35S-12W Barber**  
Job Ticket: 042463 **DST#: 1**  
Test Start: 2011.06.23 @ 01:39:11

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 03:46:56  
Time Test Ended: 10:47:56  
Interval: **4847.00 ft (KB) To 4915.00 ft (KB) (TVD)**  
Total Depth: 4915.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Reference Elevations: 1419.00 ft (KB)  
1408.00 ft (CF)  
KB to GR/CF: 11.00 ft  
Test Type: Conventional Bottom Hole  
Tester: Leal Cason  
Unit No: 45

**Serial #: 6798 Inside**  
Press @ Run Depth: 306.84 psig @ 4848.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.06.23 End Date: 2011.06.23 Last Calib.: 2011.06.23  
Start Time: 01:39:12 End Time: 10:47:56 Time On Btm: 2011.06.23 @ 03:42:11  
Time Off Btm: 2011.06.23 @ 08:18:56

**TEST COMMENT:** IF: Strong Blow , BOB in 45 seconds  
IS: Bled Off, No Blow back  
FF: Strong Blow , BOB in 20 seconds, GTS in 2 minutes, Gauged Gas & Caught Sample  
FS: Bled Off, 1/4 inch Blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2403.24	119.69	Initial Hydro-static
5	142.41	121.93	Open To Flow (1)
34	170.43	126.00	Shut-In(1)
95	1660.05	128.23	End Shut-In(1)
98	172.61	124.92	Open To Flow (2)
155	306.84	129.26	Shut-In(2)
276	1615.88	130.45	End Shut-In(2)
277	2351.25	130.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	3990 Feet GIP	0.00
847.00	Gassy Oil 5%G 95%O	11.88

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	11.00	40.45
Last Gas Rate	0.25	18.00	51.56
Max. Gas Rate	0.25	18.00	51.56



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Woolsey Operating Co.

**Weckworth # 3**

125 N Market Ste 1000  
Wichita, KS 67202

**9-35S-12W Barber**

Job Ticket: 042463

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2011.06.23 @ 01:39:11

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3990 Feet GIP	0.000
847.00	Gassy Oil 5%G 95%O	11.881

Total Length: 847.00 ft      Total Volume: 11.881 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Gravity Was 35 @ 90 degrees, 32 corrected



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co.

**Weckworth # 3**

125 N Market Ste 1000  
Wichita, KS 67202

**9-35S-12W Barber**

Job Ticket: 042463

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2011.06.23 @ 01:39:11

## Gas Rates Information

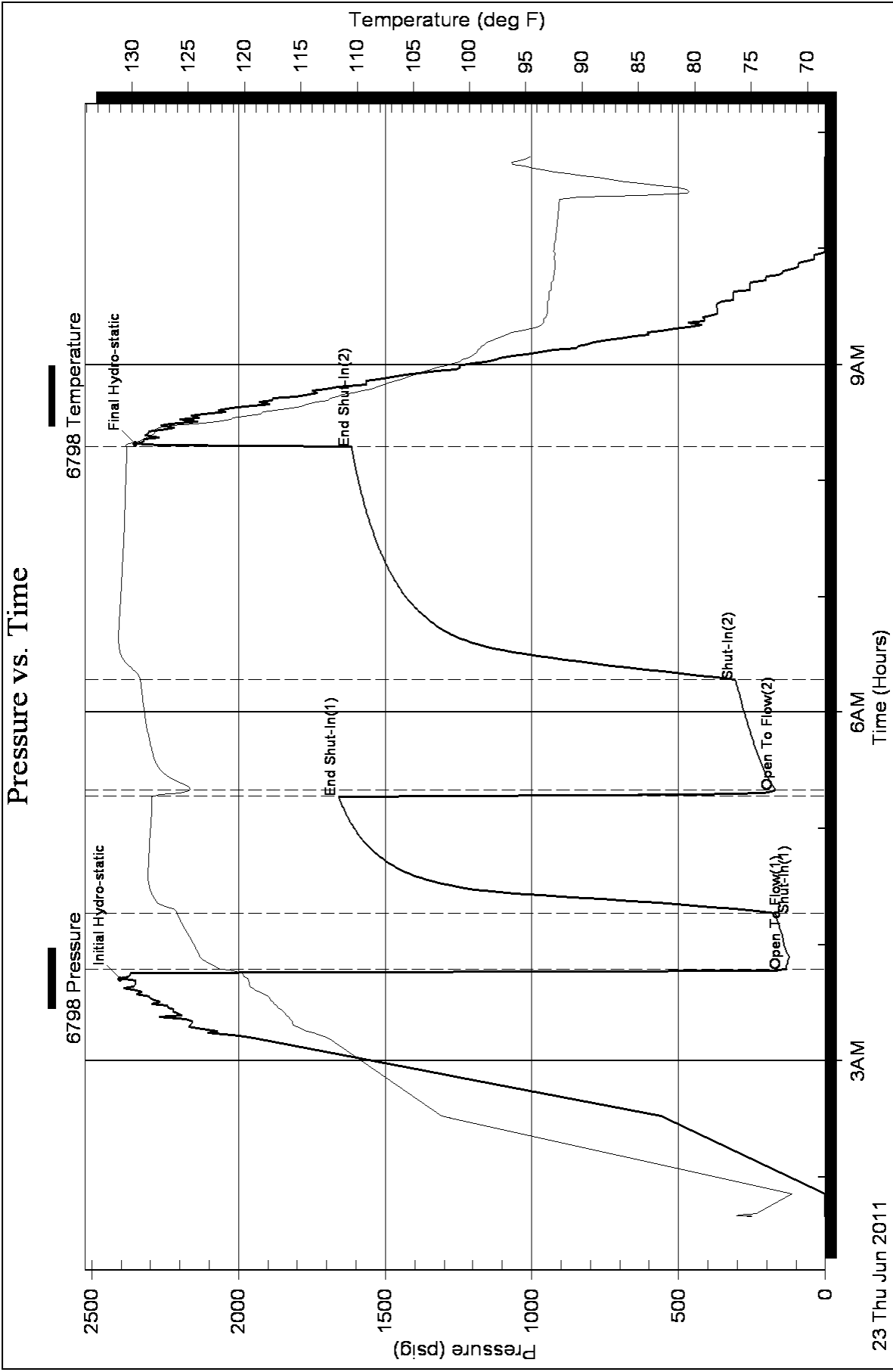
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	10	0.25	11.00	40.45
2	20	0.25	14.00	45.21
2	30	0.25	15.00	46.80
2	40	0.25	16.00	48.39
2	50	0.25	18.00	51.56
2	60	0.25	18.00	51.56



### Pressure vs. Time





# DRILL STEM TEST REPORT

Woolsey Operating Company LLC

**Weckworth #3**

125 N Market STE 1000 Wichita KS 67202+1729

**9-35-12 Barber**

Job Ticket: 15823

**DST#: 2**

ATTN: Bill

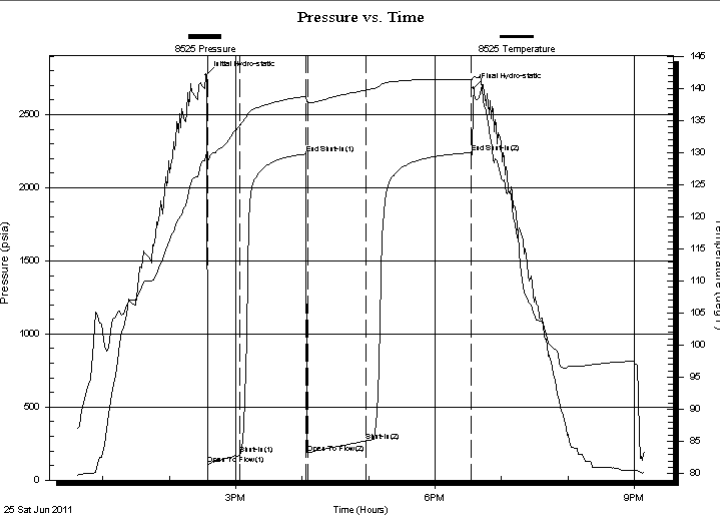
Test Start: 2011.06.25 @ 12:36:00

## GENERAL INFORMATION:

Formation: **Simpson Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:34:30  
 Time Test Ended: 21:09:30  
 Interval: **5380.00 ft (KB) To 5410.00 ft (KB) (TVD)**  
 Total Depth: 5410.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-GB-  
 Reference Elevations: 1420.00 ft (KB)  
 1408.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 8525 Inside**  
 Press @ RunDepth: 268.43 psia @ 5406.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2011.06.25 End Date: 2011.06.25 Last Calib.: 2011.06.25  
 Start Time: 12:36:00 End Time: 21:09:30 Time On Btm: 2011.06.25 @ 14:33:30  
 Time Off Btm: 2011.06.25 @ 18:35:00

**TEST COMMENT:** 30/Initial Open:Fair blow built bottom of bucket in 25 minutes  
 60/Initial Shut In:No blow back  
 60/Final Open:Fair blow built bottom of bucket in 24 minutes  
 90/Final Shut In: No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2770.34	130.06	Initial Hydro-static
1	108.87	128.96	Open To Flow (1)
31	174.52	134.27	Shut-In(1)
90	2230.82	138.72	End Shut-In(1)
92	185.86	137.88	Open To Flow (2)
144	268.43	139.68	Shut-In(2)
240	2239.87	141.37	End Shut-In(2)
242	2681.73	141.78	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	Spot Oil cut w atery mud	0.84
0.00	2%oil 35%w ater 63%mud	0.00
95.00	Muddy w ater 25%mud 75%w ater	1.33
190.00	Muddy w ater 10%mud 90%w ater	2.67
0.00	Chlorides 110,000	0.00
0.00	Resisitivity .75 @ 100 degrees	0.00

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Company LLC

**Weckworth #3**

125 N Market STE 1000 Wichita KS 67202+1729

**9-35-12 Barber**

Job Ticket: 15823

**DST#: 2**

ATTN: Bill

Test Start: 2011.06.25 @ 12:36:00

## Tool Information

Drill Pipe:	Length: 5368.00 ft	Diameter: 3.80 inches	Volume: 75.30 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 75.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	5380.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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SHut-InTool	5.00		Inside	5357.00	
Hydraulic Tool	5.00			5362.00	
Jars	6.00			5368.00	
Safety Joint	2.00			5370.00	
Packer	5.00			5375.00	28.00 Bottom Of Top Packer
Packer	5.00			5380.00	
Anchor	25.00			5405.00	
Recorder	1.00	8525	Inside	5406.00	
Recorder	1.00	8524	Outside	5407.00	
Bullnose	3.00			5410.00	30.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>58.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Woolsey Operating Company LLC

**Weckworth #3**

125 N Market STE 1000 Wichita KS 67202+1729

**9-35-12 Barber**

Job Ticket: 15823

**DST#: 2**

ATTN: Bill

Test Start: 2011.06.25 @ 12:36:00

### 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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.75 ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Spot Oil cut w atery mud	0.842
0.00	2%oil 35%w ater 63%mud	0.000
95.00	Muddy w ater 25%mud 75%w ater	1.333
190.00	Muddy w ater 10%mud 90%w ater	2.665
0.00	Chlorides 110,000	0.000
0.00	Resisitivity .75 @ 100 degrees	0.000

Total Length: 345.00 ft Total Volume: 4.840 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

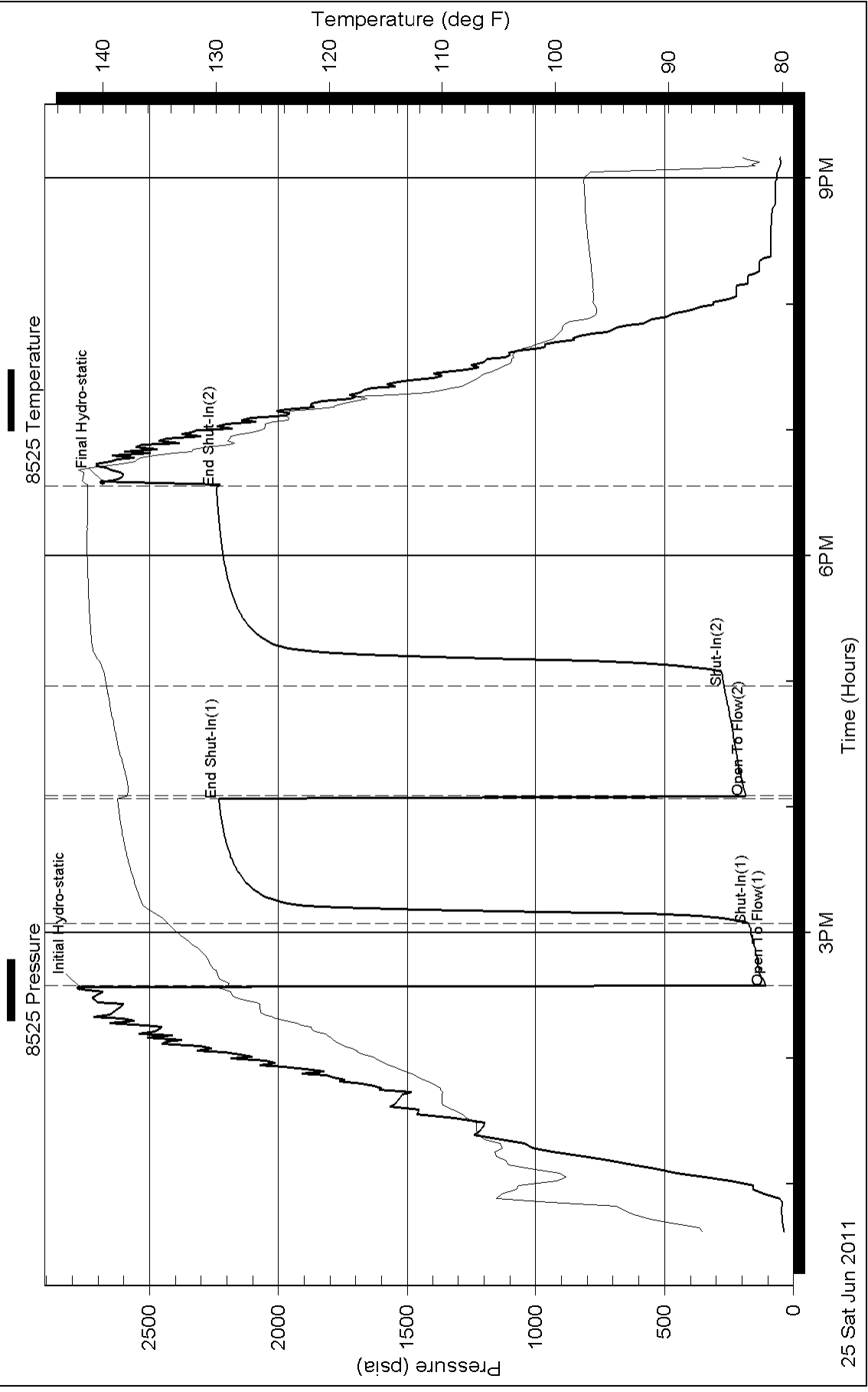
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Chlorides 110,000 / Resistivity .75 @ 100 degrees

# Pressure vs. Time





**Woolsey Operating Company, LLC**

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

Measured Depth Log

Well Name: Weckworth #3

Location: Section 9 - Township 35 South - Range 12 West

License Number: 15-007-23720-0000

Region: Barber County, KS

Spud Date: June 15, 2011

Drilling Completed:

Surface Coordinates: 990' FSL, 1980' FWL or C N 1/2 SE SW

Field: Hardtner

Bottom Hole Coordinates: Verticle

Ground Elevation (ft): 1409'

K.B. Elevation (ft): 1419'

Logged Interval (ft): 4000'

To:

Total Depth (ft):

Formation: Kansas City Group ---> Simpson Group

Type of Drilling Fluid: Chemical Mud Displaced at 3400'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://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: Spud 8:15 pm on 6/15/2011, set 6 joints new 10 3/4" X 32.75#/ft casing at 220' KB (tally 217') with 200 sx Class A, 2% gel, 3% cc. Cement did circulate. Plug down 2:45 am on 6/16/2011.

Production Casing:

Deviation Surveys: 1/2 at 235', 1/2 at 1209', 1/2 at 1709', 1/4 at 2208', 1/4 at 2710, 1 at 3212', 1/4 at 3711, 1/4 at 4237, 1/2 at 4915',

Pipe Strap @ 4915'. Strap: 4922.64', Board: 4923.45'. Strap .81' short, no corrections were made to the board.

Duke Drilling Rig # 10 Bit Record:

#1 14 3/4" HTC RR in at 0', out at 235'. 235' in 2.5 hours

#2 7 7/8" Varel HE-29 in at 235' out at 4915'. 4680' in 119 3/4 hours. Average 39' per hour.

#3 7 7/8" Varel HE-21 in at 4915' out at

Gas Detector: Woolsey Operating Co. Gas Trailer #2

Mud System: Mud-Co. Brad Bortz, Engineer

DSTs: Trilobite Testing, Leal Cason, Tester

Open Hole Logs: Superior Well Service, Dual Induction Laterolog w/SP, CNL-FDC w/PE, Gamma Ray and Caliper

## DSTs

DST #1 Mississippi, 4807'-4915'. 30"-60"-60"-120", SB BOB in 45 seconds into IFP, GTS 2 minutes into FFP. Rec: 3990' GIP, 847' Gassy Oil (5% Gas, 95% Oil). 32 gravity. IHP 2403, IFP 142-170, ISIP 1660, FFP 172-306, FSIP 1615, FHP 2351. BHT 130 degrees.

DST #2 Simpson Wilcox Sand, 5380'-5410', 30"-60"-60"-90", Fair 12" blow both flow periods. Rec: 410' GIP, 60' SOCWM (2%O, 35%W, 63%M), 95' MW (25%M, 75%W), 190' MW (10%M,90%W), Chlorides: 110,000 ppm. Rw .75 at 100 degrees. IHP 2770, IFP 108-174, ISIP 2230, FFP 186-268, FSIP 2239, FHP 2685. BHT 141 degrees.

## CREWS

Joe Livingston, Tool Pusher





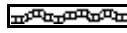

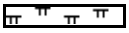

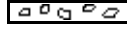





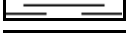








Scott Edwards, Daylights

Colby Crawford, Evening















































































Alex Ordonez, Morning

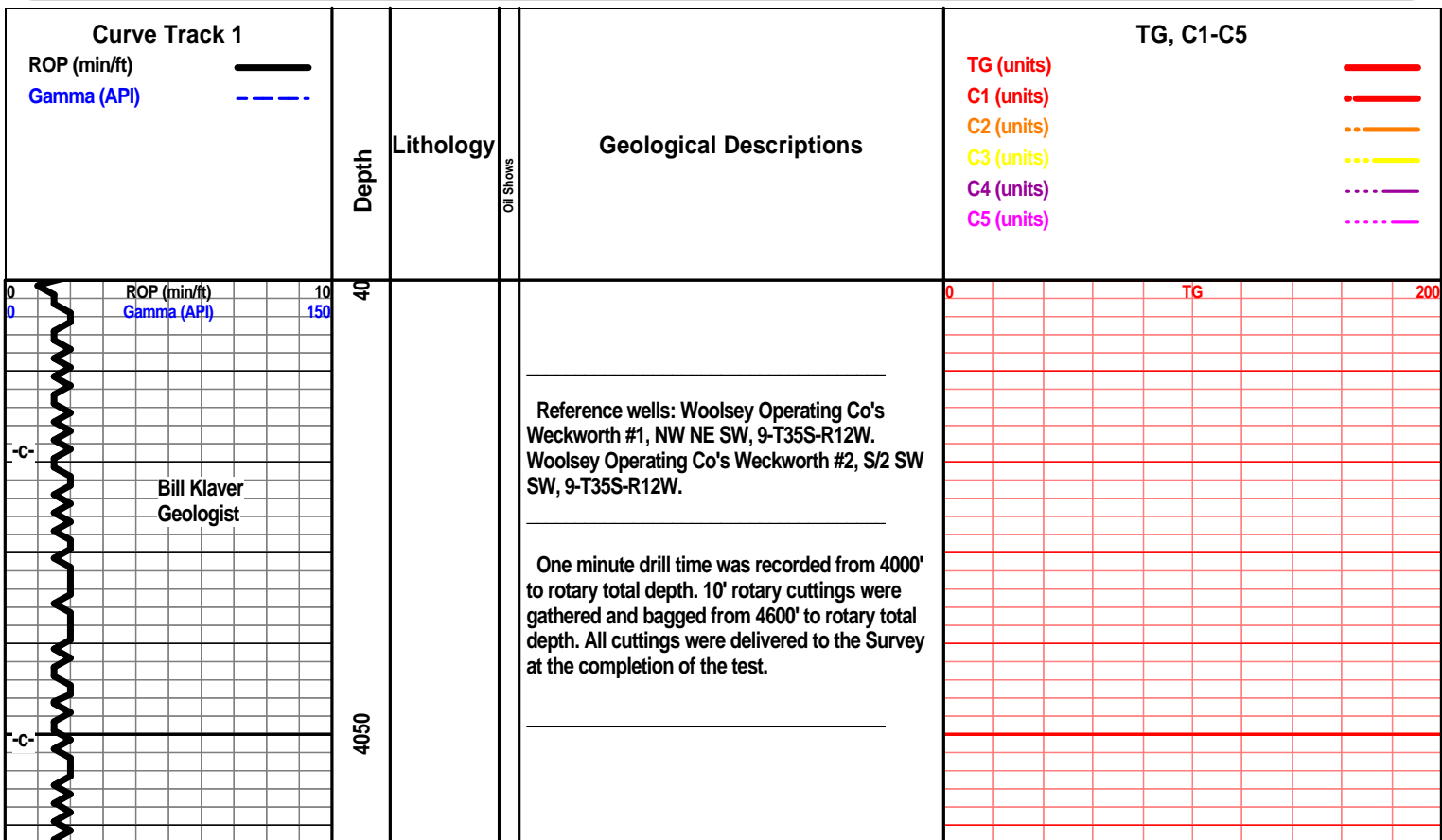
Ron Burns, Relief

### ROCK TYPES

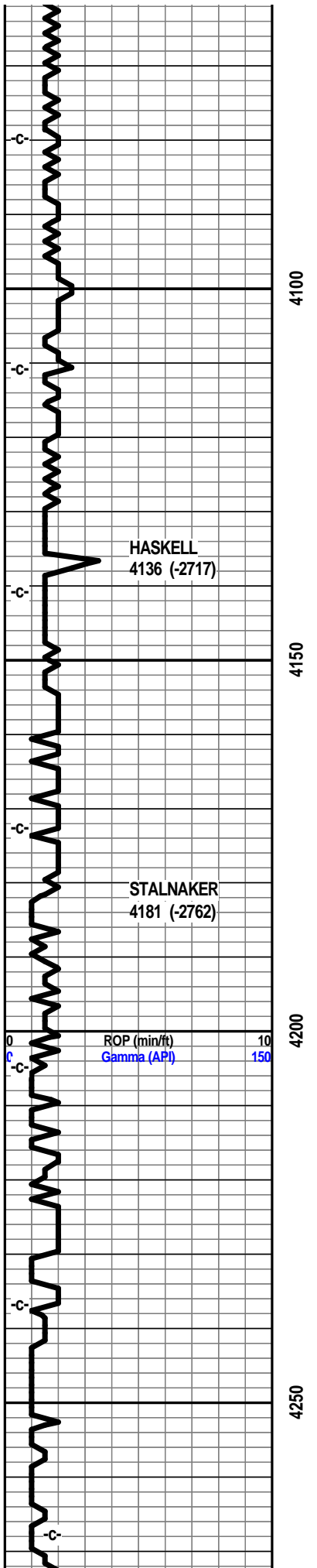
 Anhy	 Congl	 Lmst	 Black sh
 Bent	 Sdy dolo	 Mrlst	 Gry sh
 Brec	 Shy dolo	 Salt	 Shale
 Cht	 Dol	 Shale	 Shyslstst
 Clyst	 Gyp	 Sltst	 Sltysth
 Coal	 Sdy lmst	 Ss	

### ACCESSORIES

<b>MINERAL</b>	 Chlorite	 Pelec	 Grysh
 Anhy	 Dol	 Pellet	 Gryslt
 Arg	 Sand	 Pisolite	 Lms
 Bent	 Silty	 Plant	 Sandylms
 Bit	<b>FOSSIL</b>	 Strom	 Sh
 Brecfrag	 Algae	 Fuss	 Sltstn
 Calc	 Amph	 Oomoldic	<b>TEXTURE</b>
 Carb	 Belm	<b>STRINGER</b>	 Boundst
 Chtdk	 Bioclst	 Anhy	 Chalky
 Chtlt	 Brach	 Arg	 Cryxln
 Dol	 Bryozoa	 Bent	 Earthy
 Ferrpel	 Cephal	 Coal	 Finexln
 Ferr	 Coral	 Dol	 Grainst
 Glau	 Crin	 Gyp	 Lithogr
 Gyp	 Echin	 Ls	 Microxln
 Marl	 Fish	 Mrst	 Mudst
 Nodule	 Foram	 Sltstrg	 Packst
 Phos	 Fossil	 Ssstrg	 Wackst
 Pyr	 Gastro	 Carbsh	
 Salt	 Oolite	 Clystn	
 Sandy	 Ostra	 Dol	
 Silt			







7 am Progress:

June 15, 2011 MIRT/Spud 8:15 pm  
 June 16, 2011 WOC, plug down 2:45 am  
 June 17, 2011 Drilling at 1350'  
 June 18, 2011 Drilling at 2237'  
 June 19, 2011 Drilling at 2888'  
 June 20, 2011 Drilling at 3498'  
 June 21, 2011 Drilling at 4120'  
 June 22, 2011 Drilling at 4672'  
 June 23, 2011 DST #1 at 4915'  
 June 24, 2011 Drilling at 5111'  
 June 25, 2011 CFS at 5410'  
 June 26, 2011  
 June 27, 2011  
 June 28, 2011  
 June 29, 2011  
 June 30, 2011

7 am 4120'  
 Tuesday  
 June 21, 2011

E-Log Tops:

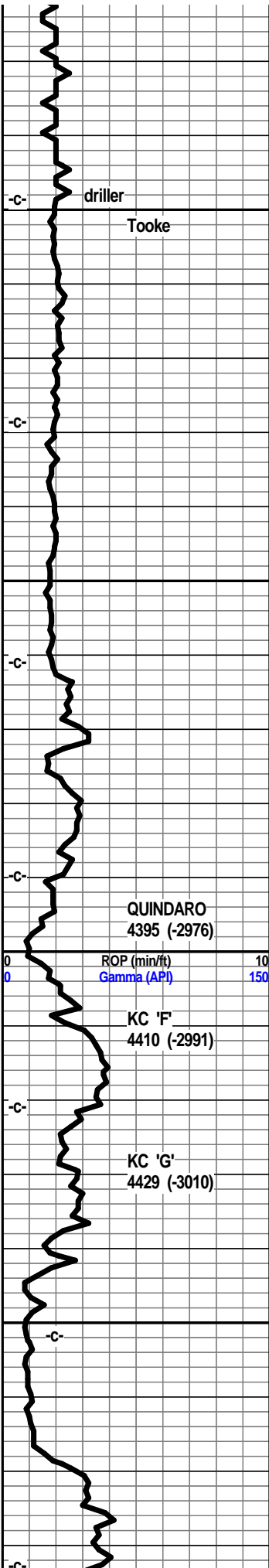
Herington  
 Onaga  
 Wabaunsee  
 Stotler  
 Topeka  
 LeCompton  
 Kanwaka  
 Elgin Sand  
 Heebner  
 Toronto  
 Douglas Group  
 Douglas Shale  
 Ireland Sand  
 Haskell  
 Quindaro Shale  
 Kansas City 'F'  
 Kansas City 'G'  
 Kansas City 'H'  
 Kansas City 'I'  
 Stark  
 Swope  
 Hushpuckney  
 Hertha  
 B/Kansas City  
 Pawnee  
 Cherokee Group  
 Cherokee Sand  
 Mississippi  
 C3  
 C2A  
 C2  
 C1  
 Osage  
 Northview Shale  
 Compton  
 Kinderhook  
 Woodford  
 Misener Sand

Mud-Co. 4175'  
 wt. 9.2 vis. 50  
 wl. 8.8 chl. 4,000

TG

wt. 9.2 vis. 50

Viola  
Simpson Group  
Wilcox  
McLish Shale  
LTD



4300

4350

4400

4450

- Oil/Gas Show Legend
- Gas
  - Even Stain/Saturation
  - Spotted Stain/Saturation
  - Questionable
  - Dead/Gilsonitic

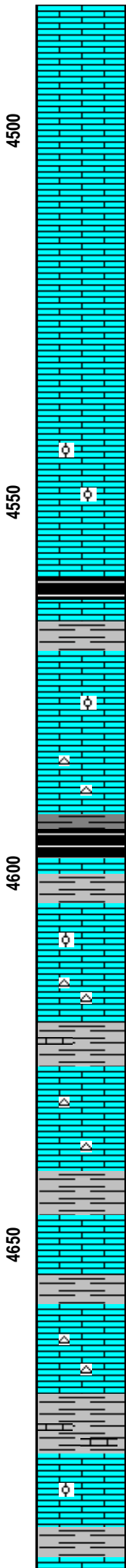
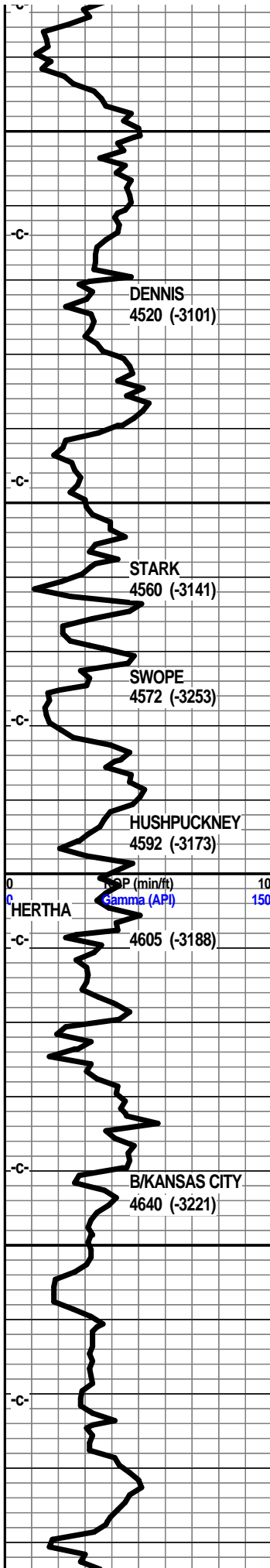
wt. 9.2 vis. 48

wt. 9.2 vis. 54

TG

7 pm 4462'  
Tuesday  
June 21, 2011

wt. 9.1 vis. 54



Ist crm buff tan f xln blk arg sub chlky foss frags, calc xln fill,

Ist crm tan buff f sli med xln gran gritty sub chlky, foss frags, tr foss ool/pelletal, cal xln fill

Ist crm buff tan f xln gran gritty sub chlky foss frags tr foss ool, shl gry drk gry blk carb wxy grsy tr gas bubs

shl gry silty, calc, lst tan gry/tan f vf xln dns hrd blk arg, tr sub chlky

Ist crm buff tan f sli med xln gran gritty sub chlky foss frags, foss ool, tr pelletal, calc xln fill, tr chrt wht tan shrp frsh

Ist crm buff wht tan f xln sub chlky foss frags, foss ool, pelletal, chrt wht tan shrp frsh opa, calc xln fill

shl gry, drk gry, blk carb, wxy grsy gas bubs, lst tan gry vf xln dns hrd blk arg silty, tr foss frags

Ist crm buff tan f sli med xln gran sub chky, calc xln fill, foss frags, foss ool, pelletal, tr chrt wht tan shrp frsh opa

shl gry med gry, silty calc, lst tan gry lt brn f vf xln dns hrd blk arg, silty, chrt tan gry shrp frsh opa

Ist tan lt gry tan f vf xln dn shrd blk arg tr arg, sub chlky, foss frags, calc xln fill tr chrt tan lt gry shrp frsh opa

shl gry med gry tr blk, silty calc in prt, lst tan gry vf xln dns hrd blk arg, tr sub chlky tr foss frags

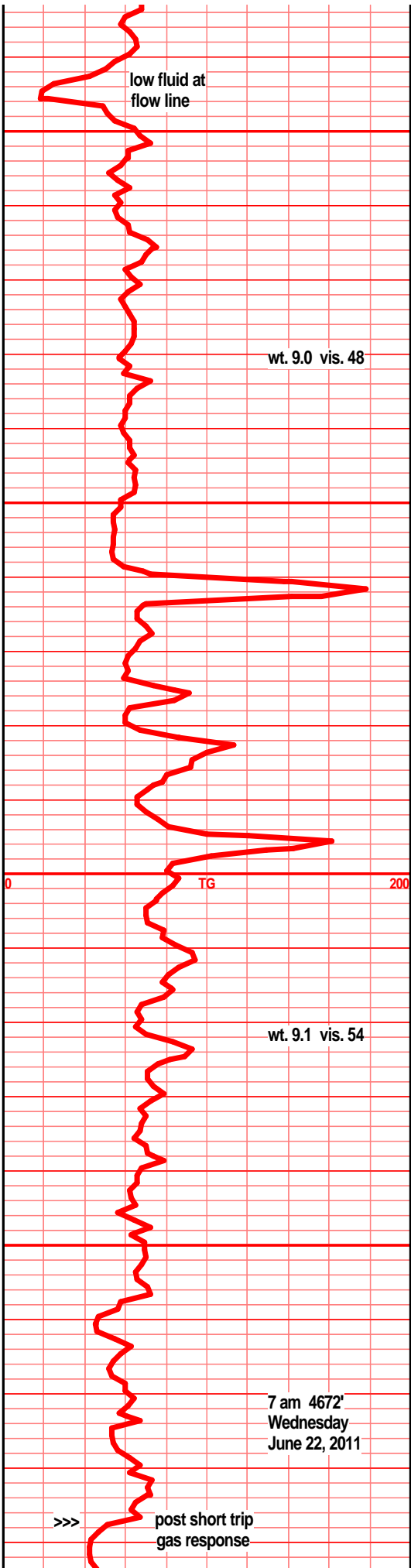
shl gry med gry silty calc, lst tan brn f vf xln dns hrd blk tr arg, sub chlky, foss frags, pelletal, chrt lt gry wht shrp frsh

Ist tan brn f vf xln dn shrd blk arg, tr chky tr foss, foss frags, xln fill, chrt brn shrp frsh

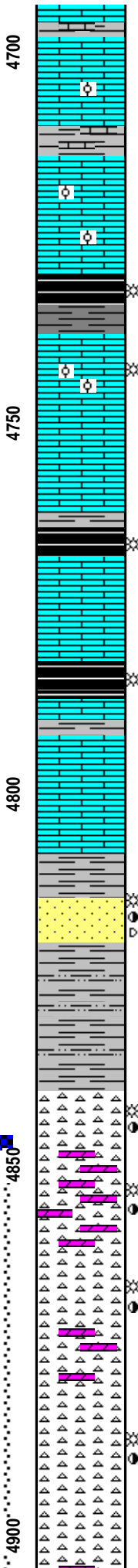
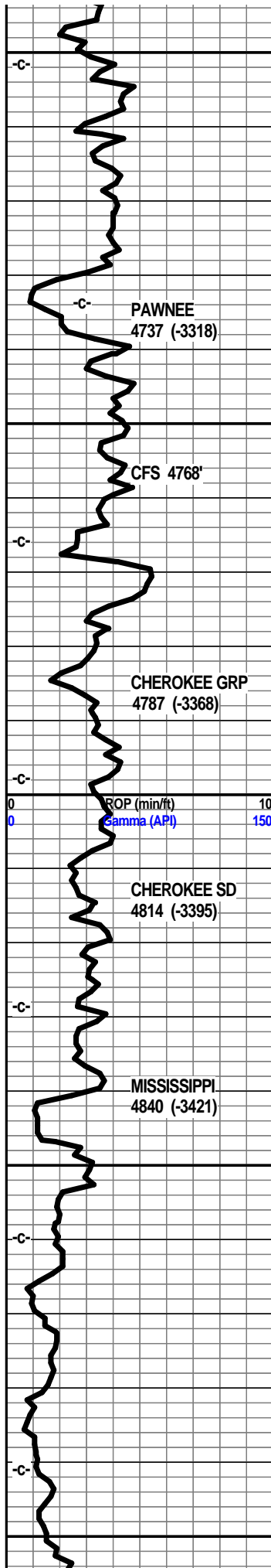
shl gry gry brn silty calc, lst tan lt brn f vf xln gran dnss hrd silty, gritty, arg

Ist buff crm f sli med xln blk flky tr sub chlky foss frags, foss ool, micro foss ool, tr crsly foss/calc xln fill

shl gry calc, lst tan crm f sli med xn blk flky sub chlky foss frags, micro foss ool, tr pelletal, tr crs



7 am 4672'  
Wednesday  
June 22, 2011



foss frags, xln fill

lst buff crm f xln blkly flky pcs, sub chlky, foss frags, micro foss, foss ool, tr crs foss w/calc xln fill

shl gry med gry gritty calc, lst crm buff f xln flky blkly, sub chlky, foss frags, micro foss ool, calc xln fill

lst crm tan buff f xln blkly ang, sub chlky, micro foss frags, foss ool, calc xln fill, tr foss frags/xln fill

shl gry med gry, blk, carb, wxy grsy, blkly ang pcs, abun gas bubs

lst crm buff tan f sli med xln, blkly flky ang pcs, tr sub chlky, foss frags, foss ool, inter xln por, tr foss mold por, nodor, f/good live gas bubs, "bleeding" gas in spl tray, bright UV

lst crm buff f vf xln dns hrd blkly, sub chlky, foss frags, micro foss ool, calc xln fill,

shl gry med gry blk, blk carb, wxy, grsy, lst tan brn vf xln dns hrd blkly ang arg,

lst buff tan lt brn f vf xln blkly dns hrd ang, foss frags, micro ool, calc xln fill, tr sub chlky, tr mic xln hrd blkly dns

shl gry med gry green, blk carb, gas bubs, lt brn silty gritty calc, lst tan gry brn vf xln dns hrd blkly ang, arg, tr gritty, some foss frags

lst tan lt gry lt gry/brn, f vf xln dns hrd blkly arg, silty, pyritic, shl gry gry brn calc pyritic,

sst tan brn clstrs, vf grnd, sub ang grns, w/srtd, prly cem, sub fria, calc cem, soft mushy in prt, sst tan brn, wht lst inclu, calc fill, vf grnd, sub ang w/srtd w/cem, blkly ang dns hrd, drk brn stain, tr gas bubs, filmy SFO, flky dead SFO, nodor

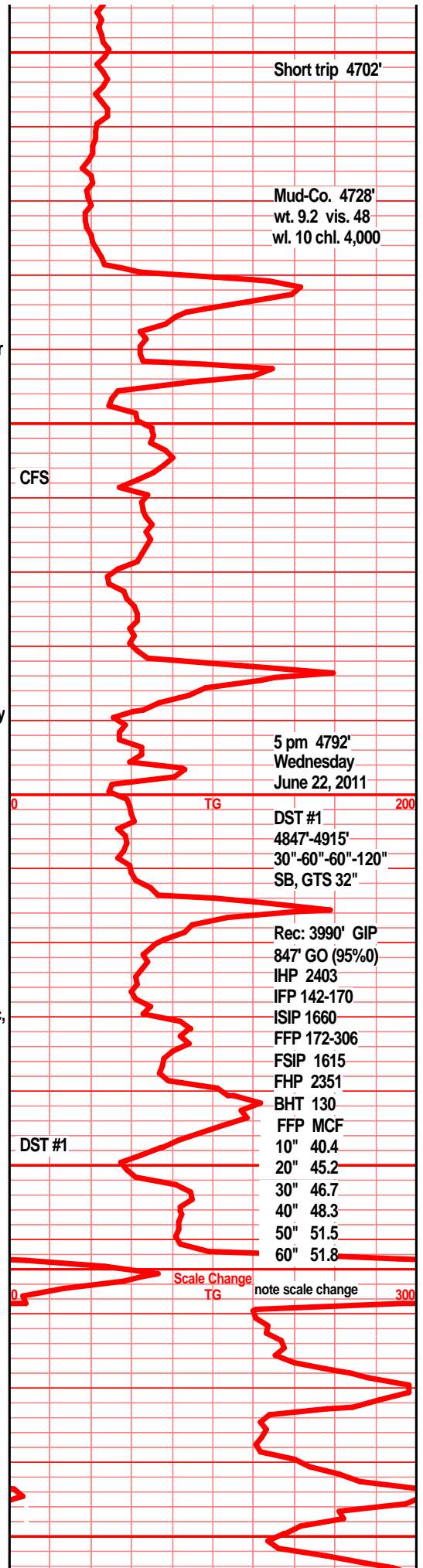
shl gry green. blue/green silty gritty sndy, pyritic, calc fill, fn grnd, sub ang grns,

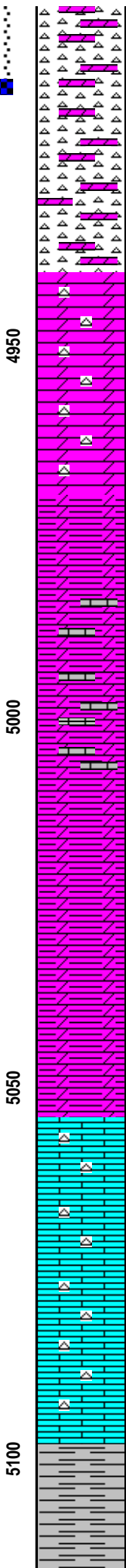
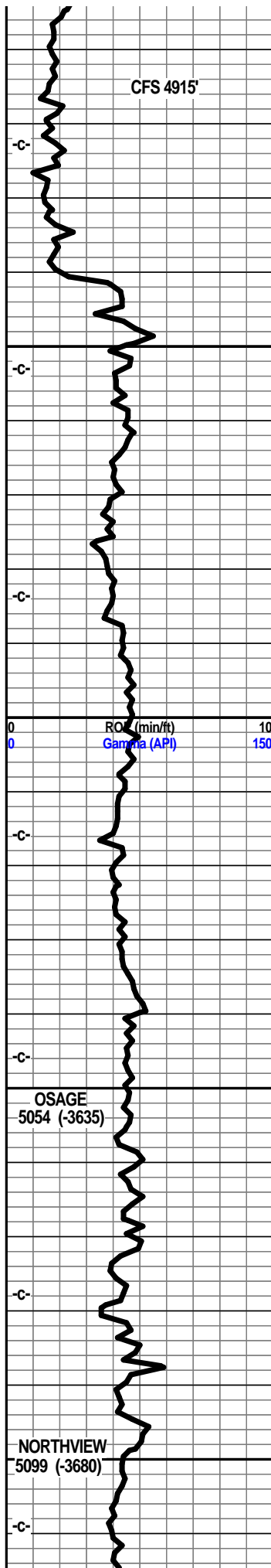
chrt wht tan lt yllw, lt orange, gry, shrp frsh opaqa, blkly, chrt wht shrp frsh, w/sli weath edge, soft, crumbly, pp/moldic, vug por, blk stain, tr gas bubs, nodor, drk brn SFO/on brk, chrt wht w/blk weath trip weath text, gd vug/moldic por, drk brn SFO, gas, nodor, tr dolo tan lt green vf grnd, blkly dns, tr chrtly

dolo wht lt blue, f vf xln dn shrd blkly, silic text, sndy, gritty, glau, chrty, chrt wht tan lt gry shrp frsh blkly, weath text, tr trip weath edge text, vug/moldic por, odor?, brn/blk SFO, lt brn SFO/brk, dull UV

chrt wht tan lt gry shrp frsh, weath trip text edge, vug/moldic por, sli odor, brn stain, brn SFO on brk, dull UV, filmy RBSFO on spl wtr, incr weath text, incr live sho w/depth

chrt tan lt gry, tan brn, weath trip weath edge text, pp, vug moldic por, brn stain, brn SFO, odor, gas bubs, dull UV, tan brn dolo w/weath text chrt inclu, vug/moldic por, brn stain, SFO, odor, gas bubs





odor, gas bubs

dolo lt gry tan, tr lt green, f vf xln blkly dns silic text, w/chrt inclu, tan brn weath trip edge, pp/moldic por, brn stain, brn SFO, odor, gas bubs, chrt aa

chrtly dolo lt gry green vf xln blkly dns silic text, tr glau, chrt wht lt gry shrp frsh, tr weath trip text edge, brn stain w/dolo and along chrt/dolo contact, pp, moldic por, odor, brn SFO gas bubs,

dolo crm tan tr lt gry/green tint vf xln blkly, ang pcs. tr sndy gritty text, chrtly in prt, chrt wht shrp frsh foss opaq, dolo edge aa, tr brn stain, tr gas bubs, nodor

spl all gry green tr red spintery shls, tr dolo crm lt tan incr med gry, tr gry green, vf xln dns hrd blkly sndy gritty text, tr chrtly, chrt w/gry dolo edge, tr stain, nsfo, nodor

dolo tan lt gry mix, vf xln gran arg silty gritty, tr silic text, shl gry med gry grai silic, pr spl, mslty gry ratty spintery shls

spintery shls drk gry, gritty silty calc, poor samples.....

dolo silty shly dolo, med gry, drk gry, calc in prt, tr silic text, f vf grd gritty gran arg, tr chrt med gry shrp frsh. spls remain poor

dolo, vf xln, silty shly, gritty gran, silic text, mstly calc mudstn, silty gritty arg, hrd blkly ang pcs,

dolo, silty calc mudstn, vf xln gran gritty, silty, tr silic text, hrd blkly platy pcs

dolo silty dolo, med/drk gry vf xln gritty gran, calc in prt, silic text, blkly ang pcs

dolo, silty dolo, gry med drk gry tr calc mdstn, vf xln gran gritty arg silty dns hrd blkly pcs

dolo silty dolo, med gry drk gry tr calc mdstn vf xln gran gritty arg, dns hrd pcs tr pyritic

dolo silty dolo, drk gry med gry, calc mdstn'siltstn, gran arg gritty dns hrd

lst wht f med xln blkly ang pcs, tr crs xln, chrtly in prt, chrt wht opaq, transl, tr chlky, spls wsh wht

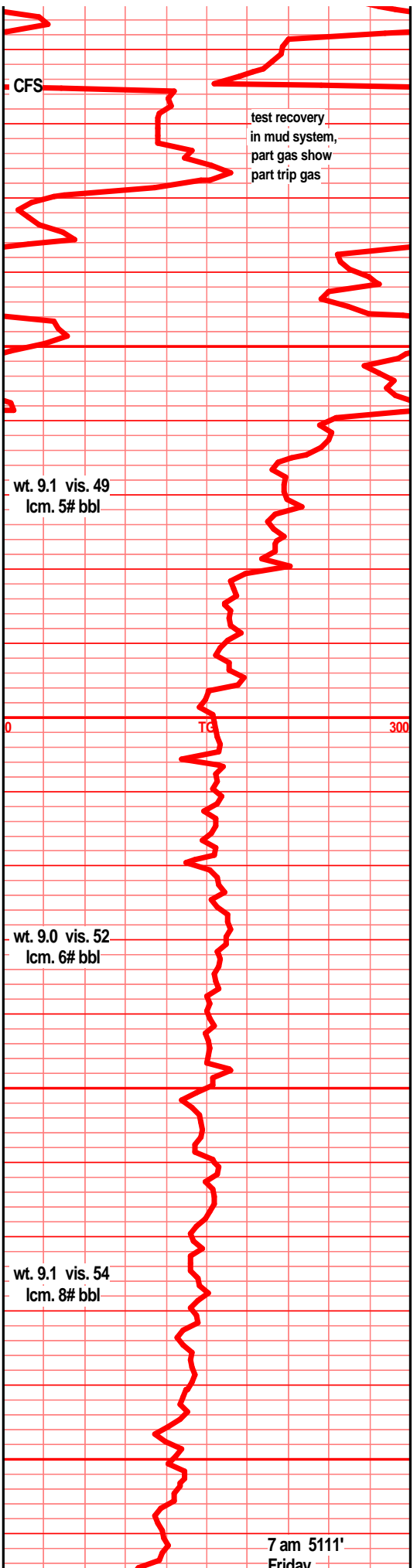
lst wht tr off wht f sli med xln blkly ang tr flky tr sub chlky, chrt in prt, chrt wht opaq, transl vit, shrp frsh

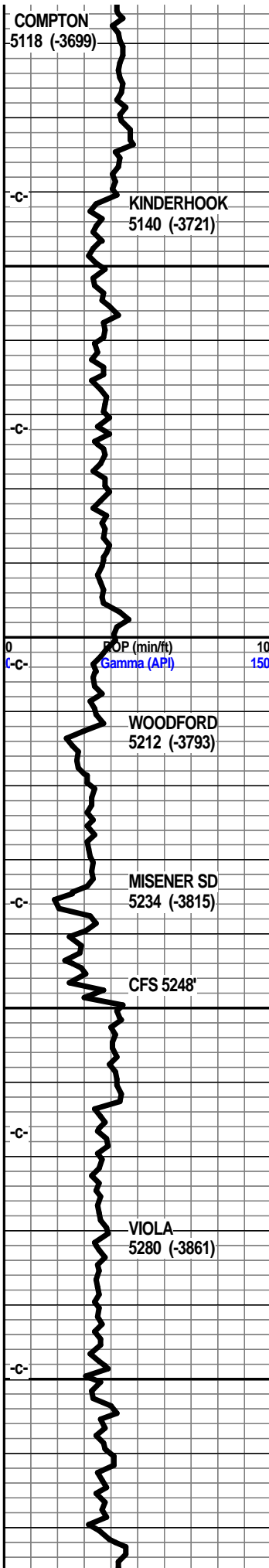
lst crm wht off wht f sli med xln blkly ang tr flky, tr sub chlky, spls wsh wht, chrtly in prt chrt wht cl, opaq vit, transl

lst wht off wth tr crm, f sli med xln blkly ang flky sub chky, chrtly, chrt wht shrp frsh opaq transl, spls wsh wht

shl med gry/green, blue green, silty gritty, tr pyritic fill

shl gry, gry/blue/green silty, gritty, pyritic in prt, hrd blkly pcs





lst wht f med xln blkly flky, mstly dns hrd ang pcs, tr foss frags, micro foss in prt, tr glau

lst off wht, dull vry lt gry f vf lxn dns hrd massive, blkly, tr sub chlky, spls wsh semi wht, tr pyritic,

lst off wht, dull lt gry, f sli med xln, blkly ang tr flky, tr sub chky, pyritic, foss frags, massive in prt, tr blue green tint

shl drk blk, blkly ang pcs, bedded, pyritic

shl gry blk, drk gry blk fnly silty blkly ang pcs

shl gry, drk gry blk, reddish blk blklyang pcs, vis gas bubs

shl dkr gry blk, brn/reddish blk, fnly silty, tr pyritic, bedded, gas bubs

shl gry, dry gry, reddish blk, fnly silty

shl gry drk gry blk, reddish blk, tr gas, blkly ang pcs, fnly silty

shl blk carb, drk red/blk, platy, carb, wxy grsy, blkly ang pcs, abun gas bubs

shl drk red/brn blk, carb in prt, gritty, platy, blkly ang pcs, abun gas bubs

shl drk brn/red, gritty silty, gran, tr pyritic bedded, gas bubs, filmy SFO

sst clr semi frsted clstrs, f grnd, ang grns, f/poorly strd, f/poorly cem, silic cem, mstly fria, tr sub fria, inter grn por, tr min fill, tr gas bub?, VSSFO-lt transl SFO, brn droplets, nodor 60" spl aa, incr tite blkly clstrs, limy, clay clasts, min fill

dolo shls, drk gry, drk gry green silty gritty soft gran

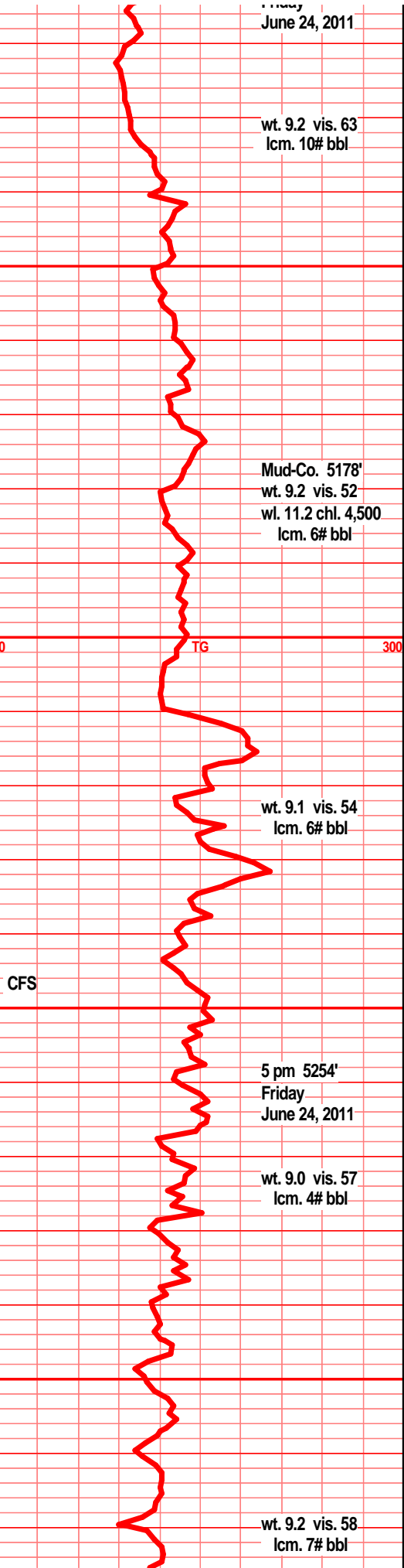
dolo shly dolo, gry med gry, drk gry/green silty gritty, soft, silic text in prt pyritic, mstly dns hrd ang

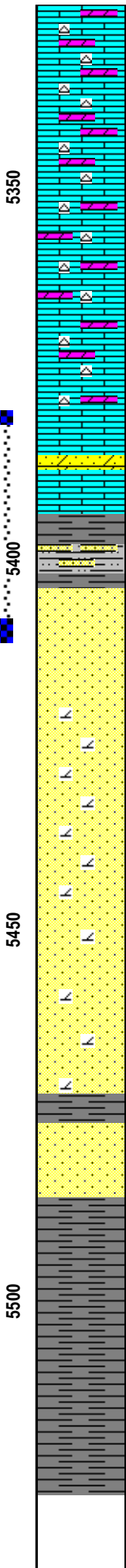
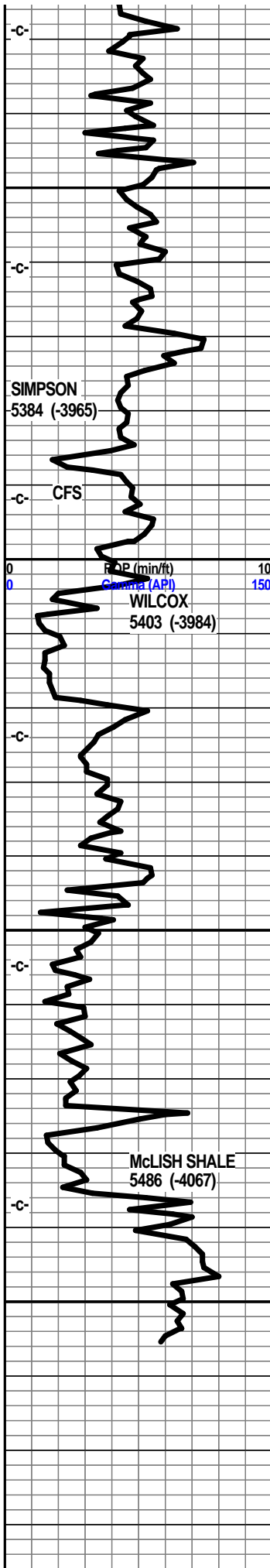
dolo shls, gry, gry brn f vf xln gran soft gritty, blkly ang pcs, tr pyritic,

lst wht off wht, off wht lt gry mott, f med xln, flky, blkly ang pcs, inter xln por, pyritic, tr soft sub chlky,

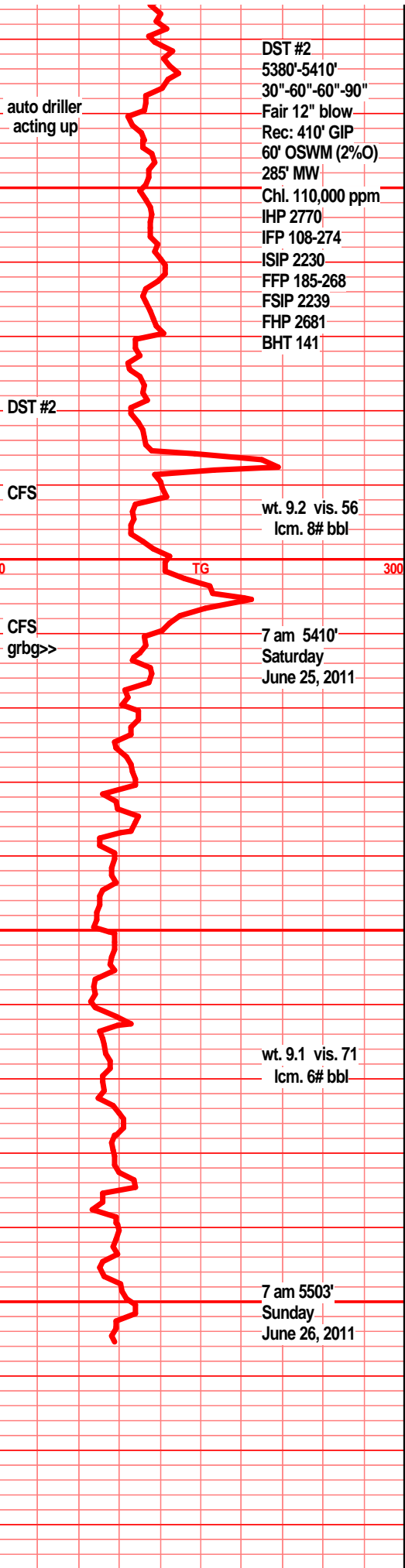
lst wht off wht, lt gry wht mott f med xln flky blkly ang sub chlky, tr foss frags, pyritic, chrt tan wht shrp frsh tr soft marl text

lst wht off wht lt gry mott f sli med xln, flky sub chlky, inter xln por, pyritic, chrt wht shrp frsh





opaq  
 1st dolo in prt, tan lt brn f vf xln dn shr d blk ang trchly, chrt dull tan shrp frsh  
 1st tan drk gry/tan vf xln, dns sub chly gran, dolo in prt, chrt in prt, chrt dull tan gry shrp frsh  
 1st dolo in prt, f vf xln dull tan lt gry gran dns hrd, gritty, chrt dull gry tan shrp frsh opa  
 1st dolo in prt tan lt brn tan gry vf xln dns hrd bky, chrt dull tan shrp frsh foss,  
 1st dolo in prt drk tan gry vf xln dns hrd blk tr sub chly chrt tan shrp blk ang tr foss  
 1st dolo in prt tan lt gry tan f vf xln gran sub chly, chrt dull tan shrp blk opa  
 dolo drk tan brn f vf xln, blk ang, chly, soft, tr inter xln por, sli sndy in prt, vf grnd sub rded grns, tr gas bubs, filmy SFO, sli odor/brkn  
 shl blue-green, teal green silty sndy, pyritic, snd grn inclu sst blue green f grnd prly srted, sub fria shl/clay fill  
 sst clr tan clstrs f grnd sub rded, w/srted, prly cem, v/fria, gd inter gran por, fair odor, fair SFO, lt transi SFO, fair gas bubs.  
 sst clr lt tan clstrs, f grnd sub rded grns, w/ srted, fair to pr cem, sub fria, tr calcitic cem, tr min fill, tr dolo xln fill, fair to gd inter gran por, nodor, SSFO, oil smears, RBSFO, tr gas bubs  
 sst clr tan clstrs, f grnd, sug ang/rded grns w/srted, fair/prly cem, silic cem, tr calc in prt, tr min fill, dolo xln fill, filmy SFO, brn oil smears, nodor  
 sst clr tan clstrs f grnd, sub ang/rded, w/srted, w/cem, sub fria, min fill, dolo xln fill, tr clay fill, arg, tr calc cem, blk ang hrd clstrs, abun loose snd grns in tray  
 sst wht f vf grnd, dolomitic, sub rded grns w/srted, sub fria to hrd, blk ang clstrs, min fill, pyritic fill,  
 shl gry blue gry green, teal green, sst wht tan clstrs, f grnd sub ang grns, w/cem, sub fria, ang blk clstrs, min fill, dolo xln fill, silic cem  
 shl gry teal green, slick fnly silty, pyritic  
 shl gry drk teal green slick, fnly silty, pyritic in prt, snd grain inclu



DST #2  
 5380'-5410'  
 30"-60"-60"-90"  
 Fair 12" blow  
 Rec: 410' GIP  
 60' OSWM (2%O)  
 285' MW  
 Chl. 110,000 ppm  
 IHP 2770  
 IFP 108-274  
 ISIP 2230  
 FFP 185-268  
 FSIP 2239  
 FHP 2681  
 BHT 141

auto driller acting up

DST #2

CFS

wt. 9.2 vis. 56  
 lcm. 8# bbl

CFS grbg>>

7 am 5410'  
 Saturday  
 June 25, 2011

wt. 9.1 vis. 71  
 lcm. 6# bbl

7 am 5503'  
 Sunday  
 June 26, 2011

