



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1071465
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 |
|-----------------------------------|-----------------|---|

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: _____

1071465

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|--------------------------------|
| Form | ACO1 - Well Completion |
| Operator | Woolsey Operating Company, LLC |
| Well Name | NUSSER 2 |
| Doc ID | 1071465 |

Tops

| Name | Top | Datum |
|---------------|------|-------|
| CHASE | 1918 | -514 |
| ONAGA | 2786 | -1382 |
| ELGIN SD | 3692 | -2288 |
| HEEBNER | 3834 | -2430 |
| DOUGLAS | 3872 | -2468 |
| PAWNEE | 4723 | -3319 |
| MISSISSIPPIAN | 4816 | -3412 |
| VIOLA | 5212 | -3808 |
| SIMPSON | 5341 | -3937 |

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

January 10, 2012

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

Re: ACO1
API 15-007-23750-00-00
NUSSER 2
SW/4 Sec.11-35S-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. 037734

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Red Lake

| | | | | | | | |
|--------------------------------|----------------|-----------------|------------------|--|-------------|---------------------------|----------------------------|
| DATE <u>9-15-11</u> | SEC. <u>11</u> | TWP. <u>35S</u> | RANGE <u>12W</u> | CALLED OUT | ON LOCATION | JOB START <u>11:30 am</u> | JOB FINISH <u>12:00 pm</u> |
| LEASE <u>Wasser</u> | | WELL # <u>2</u> | | LOCATION <u>3 East of Hardner South mo</u> | | COUNTY <u>Barber</u> | STATE <u>OK</u> |
| OLD OR <u>NEW</u> (Circle one) | | | | | | | |

CONTRACTOR Alfred #10

TYPE OF JOB Surface

HOLE SIZE 14 3/4 T.D. 228'

CASING SIZE 10 3/4 DEPTH 212'

TUBING SIZE L.S. 8 5/8 DEPTH 13'

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 300 psi MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20'

PERFS.

DISPLACEMENT 20 bbls H₂O

OWNER Wadley Operating

CEMENT AMOUNT ORDERED

240sx A + 3% act 2% gel

EQUIPMENT

PUMP TRUCK CEMENTER Matt Thomasch

414/302 HELPER Ron Galley

BULK TRUCK

421/252 DRIVER Dustin Elam

BULK TRUCK

DRIVER

COMMON Class A 240sx @ 16.25 3900.00

POZMIX @

GEL 5sx @ 21.25 106.25

CHLORIDE 9sx @ 58.20 523.80

ASC @

WELL FEE

Regulatory Correspondence @

Drig / Comp Workovers

Tests / Meters Operations

@

@

HANDLING 254 @ 2.25 571.50

MILEAGE 254/20/11 558.80

TOTAL 5660.35

REMARKS:

Bulk cmt with truck

pump 3 bbls H₂O

mix 240 sx cement

drop 20 bbls H₂O shut in

cement did circulate

SERVICE

DEPTH OF JOB 225'

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 40 @ 7.00 280.00

MANIFOLD NA @ NC

Light Vehicle 40 @ 4.00 160.00

@

CHARGE TO: Wadley Operating

STREET

CITY STATE ZIP

TOTAL 1565.00

OCT 21 2011

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.

PLUG & FLOAT EQUIPMENT

Wadley @

@

@

@

@

TOTAL

PRINTED NAME MIKE THOMP

SIGNATURE [Signature]

SALES TAX (If Any)

TOTAL CHARGES 7225.35

DISCOUNT IF PAID IN 30 DAYS 5780.28

ALLIED CEMENTING CO., LLC. 037802

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge KS

| | | | | | | | |
|--------------------------------|----------------|-----------------|-------------------------------------|------------|----------------------|-----------------|----------------------------|
| DATE <i>09-27-11</i> | SEC. <i>11</i> | TWP. <i>35s</i> | RANGE <i>12w</i> | CALLED OUT | ON LOCATION | JOB START | JOB FINISH <i>11:19 AM</i> |
| LEASE <i>Woolsey</i> | | WELL # <i>2</i> | LOCATION <i>Handwerks, 3E, s/10</i> | | COUNTY <i>Barber</i> | STATE <i>KS</i> | |
| OLD OR <u>NEW</u> (Circle one) | | | | | | | |

CONTRACTOR *Duke #10*
 TYPE OF JOB *Production Casing*
 HOLE SIZE *7 7/8* T.D. *5560*
 CASING SIZE *5K* DEPTH *5300*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *1700* MINIMUM *—*
 MEAS. LINE SHOE JOINT *4415*
 CEMENT LEFT IN CSG. *44'*
 PERFS.
 DISPLACEMENT *125 Bbls 2% KCL Water*

OWNER *Woolsey*
 CEMENT
 AMOUNT ORDERED *90sx60:40:4%gel & 175sx class H + 10% gyp + 10% salt + 6# Colseal + .8% FL-160 + 1/4# Floseal & 13 gals Clapro*

EQUIPMENT

PUMP TRUCK CEMENTER *D Felci*
 # *414-302* HELPER *D. Franklin*
 BULK TRUCK
 # *363-290* DRIVER *D. Elam*
 BULK TRUCK
 # DRIVER

| | | |
|--------------------------|----------------|------------------|
| COMMON <i>A 54 sx</i> | @ <i>16.25</i> | <i>877.50</i> |
| POZMIX <i>36 sx</i> | @ <i>8.50</i> | <i>306.00</i> |
| GEL <i>3 sx</i> | @ <i>21.25</i> | <i>63.75</i> |
| CHLORIDE | @ | |
| ASC | @ | |
| <i>H 175 sx</i> | @ <i>22.15</i> | <i>3876.25</i> |
| <i>Gypseal 17 sx</i> | @ <i>34.20</i> | <i>581.40</i> |
| <i>Salt 19 sx</i> | @ <i>12.00</i> | <i>228.00</i> |
| <i>Kolseal 1050 #</i> | @ <i>-.89</i> | <i>934.50</i> |
| <i>FL-160 131 #</i> | @ <i>17.20</i> | <i>2253.20</i> |
| <i>Floseal 43 #</i> | @ <i>2.70</i> | <i>116.10</i> |
| <i>Clapro 13 Gals</i> | @ | <i>406.25</i> |
| | @ | |
| HANDLING <i>330</i> | @ <i>2.25</i> | <i>742.50</i> |
| MILEAGE <i>330/11/20</i> | | <i>726.00</i> |
| TOTAL | | <i>11,111.45</i> |

REMARKS:
*Pipe on Bttm Break Circ, Plug Rat & Mouse
 Holes w/ 40sx60:40 cement Pump 50sx Sewer gen
 Cement, Mix 175sx tail Cement Stop Pump, Wash
 up Pump, Release Plug, Start Disp w/ 2% KCL
 Water, See Steady increase in PSI, Slow Rate
 Bump Plug at 125 Bbls total Disp., Release
 PSI, Float Did Hold*

SERVICE

| | | |
|-----------------------------|---------------|----------------|
| DEPTH OF JOB <i>5300</i> | | |
| PUMP TRUCK CHARGE | | <i>2695.00</i> |
| EXTRA FOOTAGE | @ | |
| MILEAGE <i>40</i> | @ <i>7.00</i> | <i>280.00</i> |
| MANIFOLD <i>Head Rental</i> | @ | <i>200.00</i> |
| <i>Light Vehicle 40</i> | @ <i>4.00</i> | <i>160.00</i> |
| | @ | |
| TOTAL | | <i>3335.00</i> |

CHARGE TO: *Woolsey Oper.*
 STREET _____
 CITY _____ STATE _____ ZIP _____

WELL FILE

Regulatory Correspondence
 Drig / Comp Workovers
 Tests / Meters Operations
 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.

PLUG & FLOAT EQUIPMENT

| | | |
|-------------------------------|----------------|----------------|
| <i>1-AFU Float Shoe</i> | @ | <i>349.00</i> |
| <i>1-latchdown Plug Assy.</i> | @ | <i>277.00</i> |
| <i>11-Turbolizers</i> | @ <i>80.00</i> | <i>880.00</i> |
| <i>16-Recip. Sump tanks</i> | @ <i>76.00</i> | <i>1216.00</i> |
| | @ | |

TOTAL *2722.00*

PRINTED NAME *Allen F. Dick*
 SIGNATURE *[Signature]*

SALES TAX (If Any) _____
 TOTAL CHARGES *17,168.45*
 DISCOUNT *20%* IF PAID IN 30 DAYS
 NET *13,734.76*

NOV - 4 2011



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

2 Nusser
11-35S-12W Barber
Job Ticket: 43990 **DST#: 1**
Test Start: 2011.09.23 @ 04:21:29

GENERAL INFORMATION:

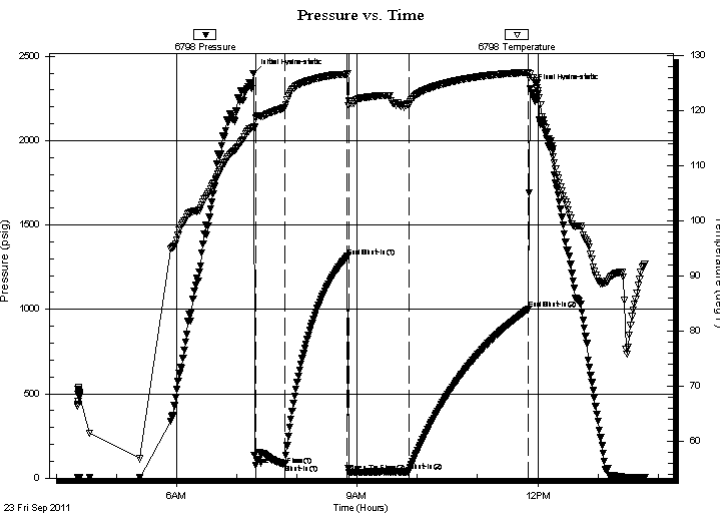
Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:18:59
Time Test Ended: 13:46:59
Interval: **4742.00 ft (KB) To 4864.00 ft (KB) (TVD)**
Total Depth: 4864.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 45
Reference Elevations: 1404.00 ft (KB)
1393.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 41.19 psig @ 4743.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.23 End Date: 2011.09.23 Last Calib.: 2011.09.23
Start Time: 04:21:30 End Time: 13:46:59 Time On Btm: 2011.09.23 @ 07:16:29
Time Off Btm: 2011.09.23 @ 11:52:59

TEST COMMENT: IF: Strong Blow , BOB in 10 seconds
ISI No Blow back
FF: Strong Blow , BOB in 10 seconds, GTS in 12 minutes, TSTM, Caught Sample
FSI: No Blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2399.08 | 116.92 | Initial Hydro-static |
| 3 | 76.28 | 118.76 | Open To Flow (1) |
| 32 | 82.06 | 120.56 | Shut-In(1) |
| 94 | 1313.26 | 126.70 | End Shut-In(1) |
| 96 | 35.71 | 121.81 | Open To Flow (2) |
| 155 | 41.19 | 121.10 | Shut-In(2) |
| 274 | 999.85 | 127.02 | End Shut-In(2) |
| 277 | 2308.94 | 126.79 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 0.00 | GIP 4674 | 0.00 |
| 50.00 | GCM 2%G 98%M | 0.70 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

2 Nusser

125 N Market Ste 1000
Wichita, KS 67202

11-35S-12W Barber

Job Ticket: 43990

DST#: 1

ATTN: Bill Klaver

Test Start: 2011.09.23 @ 04:21:29

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|--------------|----------------|
| 0.00 | GIP 4674 | 0.000 |
| 50.00 | GCM 2%G 98%M | 0.701 |

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

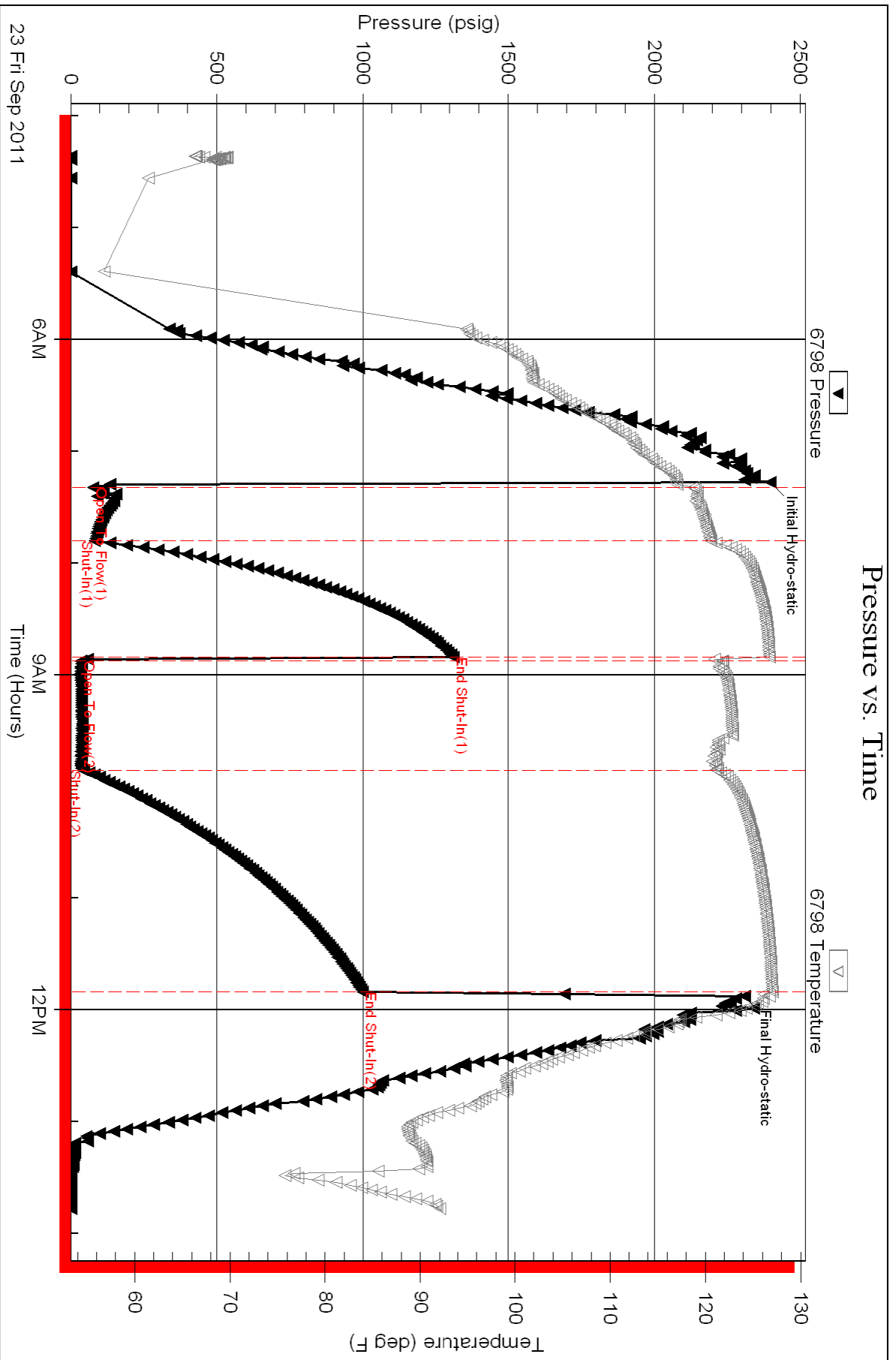
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Nusser #2
Location: Section 11 Township 35 South - Range 11 West
License Number: 15-007-23750-00-00
Spud Date: September 15, 2011
Surface Coordinates: 2310' FSL, 2230' FWL or NE1/4 NE 1/4 SW1/4
Bottom Hole Coordinates: Verticle Hole
Ground Elevation (ft): 1393' **K.B. Elevation (ft):** 1404'
Logged Interval (ft): 4000' **To:** 5568' **Total Depth (ft):** 5568'
Formation: Kansas City Group ----> Simpson Group
Type of Drilling Fluid: Chemical Mud Displaced at 3268'
Region: Barber County, KS
Drilling Completed:

Hardtner Field

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 10 3/4" X 32.75#/ft surface casing to 225' KB (tally 212') with 225 sx Class A, 2% gel, 3% cc. Cement did circulate.

Production Casing: 5 1/2" X 16.5#/ft

Deviation Surveys: 1/2 at 228', 1/2 at 1205', 3/4 at 1703', 3/4 at 2328', 1/2 at 2795', 3/4 at 3267', 3/4 at 3791', 1 1/4 at 4294', 1 at 4864', 1 at 5568'.

Pipe Strap @ 4864', strap: 4880.21', board: 4889.28', strap 9.07' short. A 9' error was found on the board. No correction was made.

Duke Drilling Rig 10 Bit Record:

#1 14 3/4" HTC RR in at 0' out at 228', 228' in 2.75 hours

#2 7 7/8 Varel HE 21 in at 228', out at 5340' in 162 hours, average 32.9' per hour drilling.

Gas Detector: Woolsey Operating Co. Gas Trailer #2

Mud System: Mud-Co. Brad Bortz, Engineer

Open Hole Tests: Trilobite, Leal Cason Tester

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

House Geologist: Brian Wilhite

DSTs

DST #1 Mississippi, 4742'-4864'. 30"-60"-60"-120". Strong blow BOB 10 seconds into IFP, Strong blow GTS 12 minutes into FFP, TSTM. Recovered: 4674' GIP, 50' SGCM (2% Gas, 98% Mud). IHP 2399, IFP 76-82, ISIP 1313, FFP 35-41, FSIP 999, FHP 2308. BHT 127 degrees.

CREWS

Scott Edwards, Toolpusher

Alex Ordonez, Days

Colby Crawford, Evening

Chad Hallmark, Morning

Ron Burns, Relief

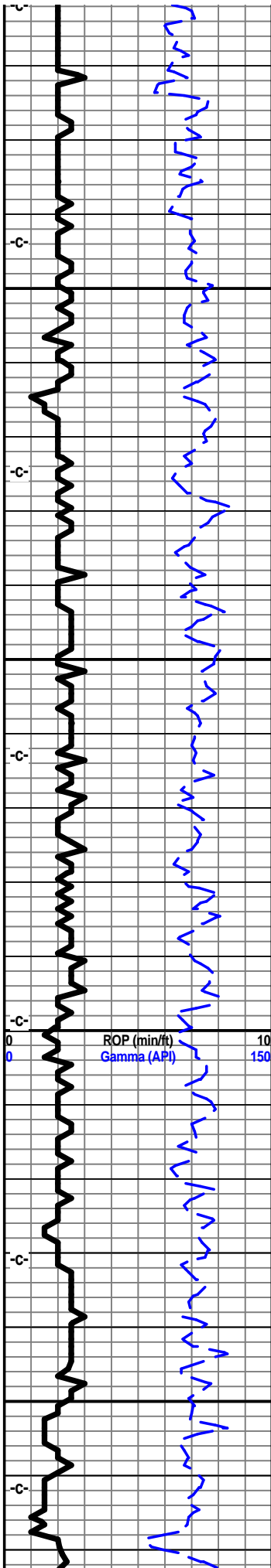
7 am Progress:

- September 14, 2011 Rain, no move
- September 15, 2011 MIRT/Spud
- September 16, 2011 WOC
- September 17, 2011 Drilling at 1142'
- September 18, 2011 Drilling at 2030'
- September 19, 2011 Drilling at 2770'
- September 20, 2011 Drilling at 3400'
- September 21, 2011 Drilling at 4110'
- September 22, 2011 Drilling at 4624'
- September 23, 2011 DST #1 at 4864'
- September 24, 2011 Drilling at 5044'
- September 25, 2011 Drilling at 5316'
- September 26, 2011 CFS at 5558'

E-Log Tops:

- Herington 1917 (-513)
- Onaga 2786 (-1382)
- Waubunsee 2844 (-1440)
- LeCompton 3615 (-2211)
- Kanwaka 3640 (-2236)
- Elgin Sand 3691 (-2287)
- Heebner 3833 (-2429)
- Toronto 3846 (-2442)
- Douglas Grp 3872 (-2468)
- Douglas Shl 3916 (-2512)
- Quindaro 4382 (-2978)
- Kansas City 'F' 4393 (-2989)
- Kansas City 'G' 4416 (-3012)
- Stark 4540 (-3136)
- Swope 4551 (-3147)
- Hushpuckney 4572 (-3168)
- Hertha 4579 (-3175)
- B/Kansas City 4621 (-3217)
- Pawnee 4723 (-3319)
- Cherokee Grp 4770 (-3366)
- Cherokee Sd 4798 (-3394)
- Mississippi 4815 (-3411)
- C3 4822 (-3418)
- C2A 4832 (-3428)
- C2 4860 (-3456)
- C1 4999 (-3595)
- Osage 5054 (-3650)
- Northview Shl 5056 (-3652)
- Compton 5061 (-3657)
- Kinderhook 5087 (-3683)
- Woodford 5154 (-3760)
- Misener Sd 5186 (-3782)
- Viola 5212 (-3808)
- Simpson Grp 5341 (-3937)
- Wilcox 5365 (-3961)
- McLish Shl 5443 (-4039)

Mud-Co. 4233'
wt. 9.3+ vis. 57
wl. 10.2 chl. 3000

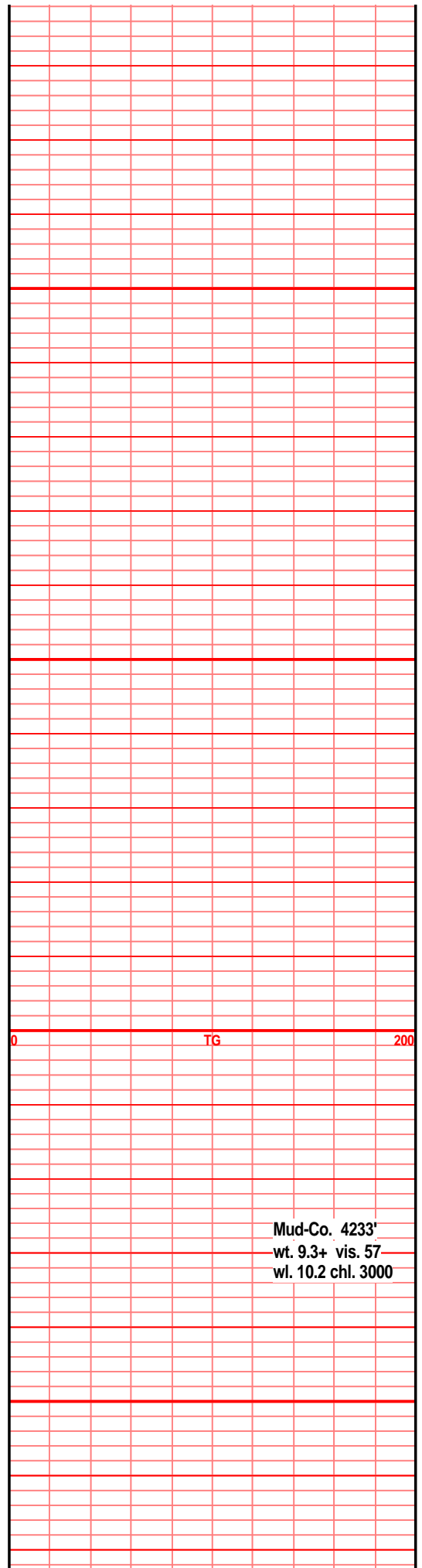
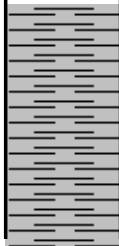


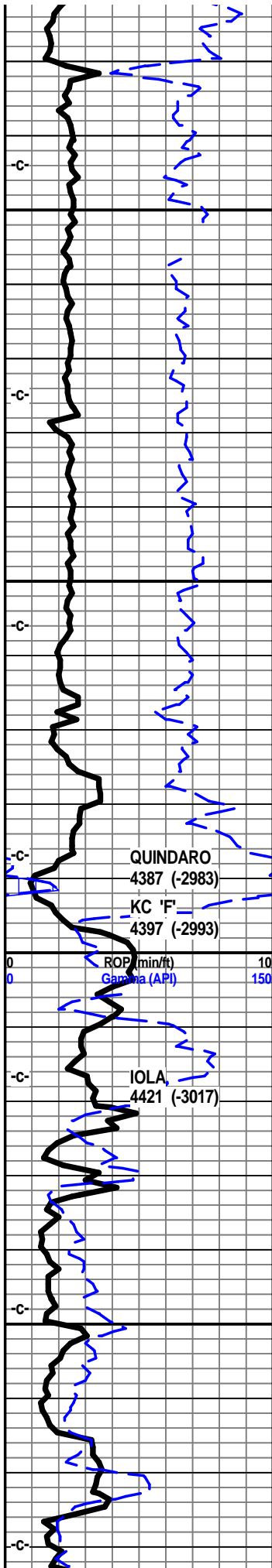
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4150

4200

4250



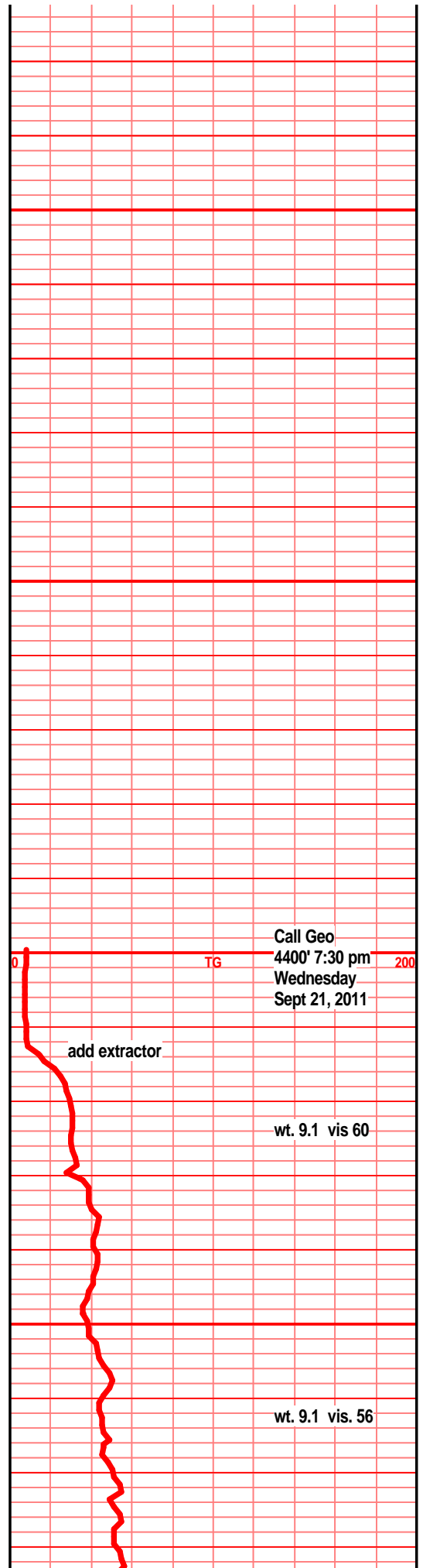
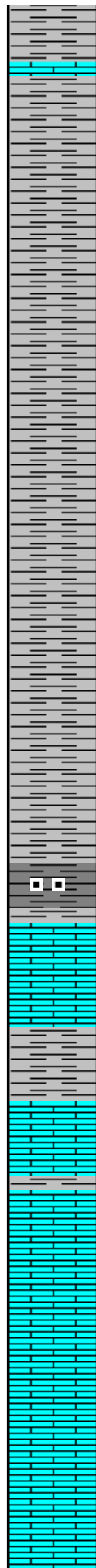


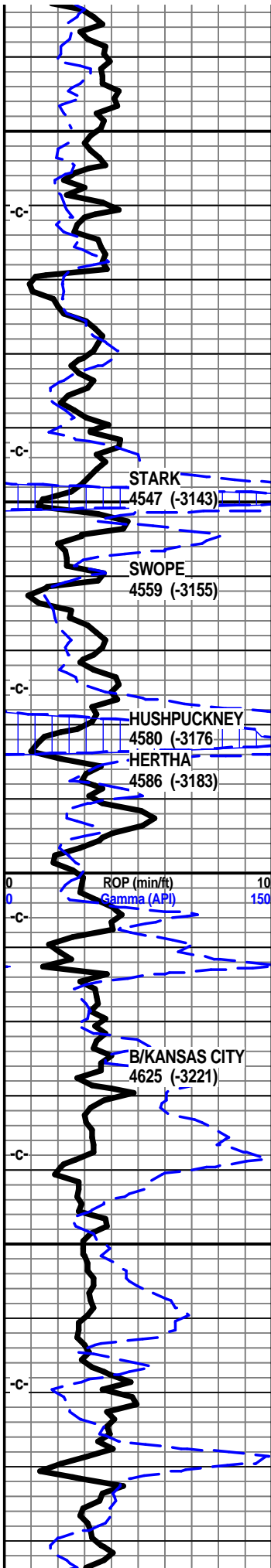
4300

4350

4400

4450





4500

4550

4600

4650



mucho blk grsy, wxy, carb shl in spl, lst off wht tan f sli med xln blkly flky sub chlky tr foss frags,

lst off wht lt gry f xln gran flky sub chlky, foss frags, soft, foss frags, micro ool, pelletal

shl gry, gry-blk, lst tan off wht lt gry, f xln blkly ang soft sub chlky pcs, tr foss frags, calc xln fill

lst gry tan lt brn f vf xln dns hrd flky, tr sub chlky, xln calc fill, tr foss frags, tr chrt tan lt brn

lst crm tan lt brn f vf xln dns, blkly soft, flky sub chlky, foss frags, shls, gry, drk gry soft, calc,

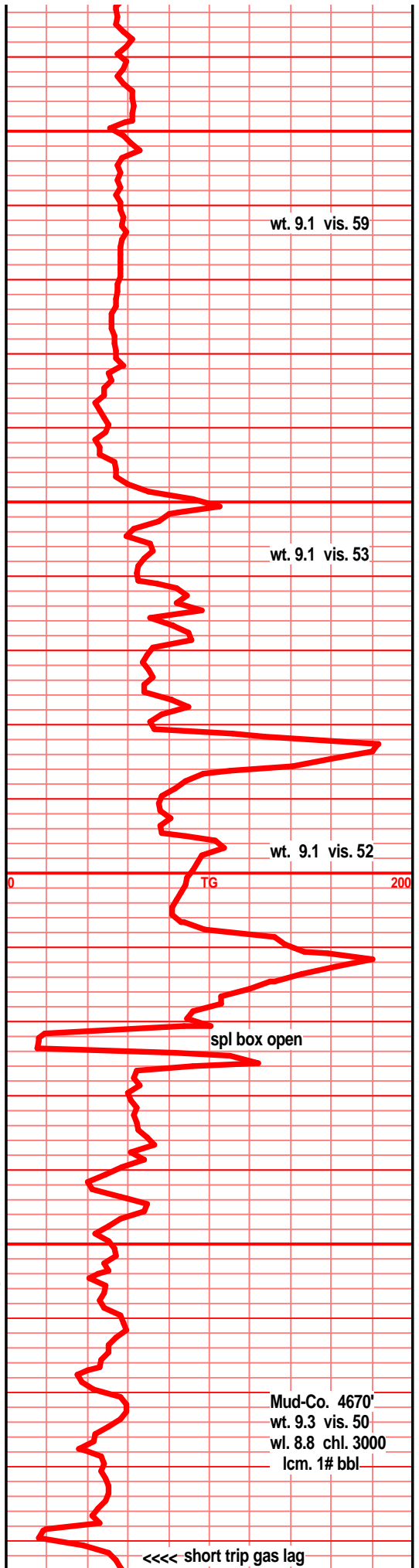
shl gry dkr gry soft calc, lst tan gry f vf xln gran soft sub chky arg, dns tr foss frags, tr chrt wht tan opa

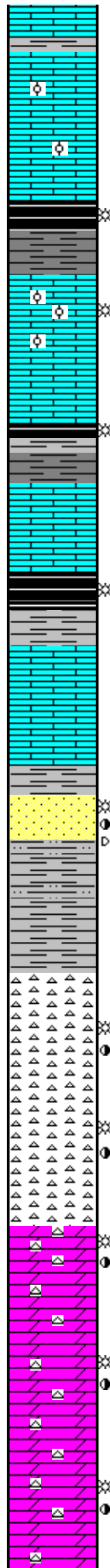
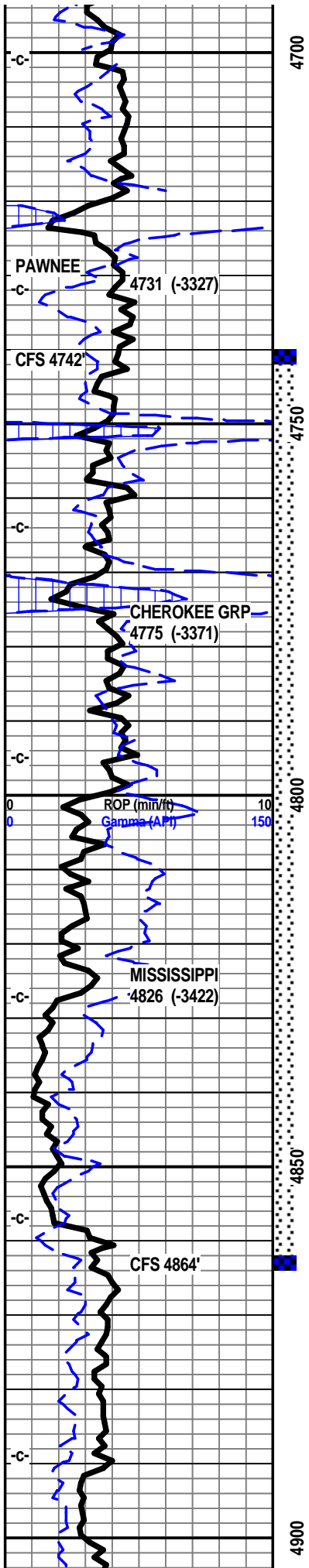
shl gry green silty gritty, lst tan buff lt brn f xln blkly ang hrd dns sub chlky calc xln fill, tr micro foss

shl gry brn, lst tan buff crm f vf xln blkly dns, sub chlky, calc xln fill, tr micro foss calc xln fill

lst tan buff crm f xln blkly dns flky tr sub chlky foss frags calc xln fill,

shl gry drk gry tr blk, silty gritty calc, lst tan buff brn vf xln dns hrd calc fill, foss frags





ist dull tan crm t vf xln dky tky sub cnky ross frags micro ool, calc xln fill, tr chrt wth tan shrp frsh opaq

ist buff tan lt brn f sli med xln blk ang sub chlky calc xln fill, inter xln por, foss frags, ool, pelletal,

ist buff tan gry/brn f xln gran blk sub chlky foss frags, foss ool/pelletal, calc xln fill

shl gry drk gry blk, semi carb, silty gritty gran in prt,

ist crm tan off wht f vf xln blk ang pcs, sub chlky, foss frags, foss ool, crsly in prt, foss pelletal, hvy calc xln fill, no vis por, spls wsh white, VSS gas bubs

ist crm buff tan f xln blk sub chlky foss frags, foss ool, crsly in prt, hvy calc xln fill, tr chrt wht shrp frsh foss

shl gry med gry calc silty gritty, shl blk carb wxy, ist tan brn vf xln dns hrd foss arg, silty, pyritic

ist crm buff lt gry f vf xln dns hrd blk sub chlky, tr micro foss frags, calc xln fill, tr chrt wht shrp frsh

shl gry blk, med gry, blk carb, wxy grsy, ist aa in spl

ist buff gry tan f vf xln dns gran arg, silty, sub chlky, shls gry, gry/brn silty gritty calc

ist tan buff brn vf xln dns hrd chlky gran gritty shl gry brn silty sndy gritty soft

sst tan ddrk brn clstrs, vf grnd, sub ang grns, w/srtd, w/cem, calc cem, hrd blk ang clstrs, sub fria in prt, drk flky stain, gas bubs, dull UV, nodor

shl gry green silty sndy, sst lt tan wht/green tint, f grnd, sub ang grns, w/srtd clay fill, calc fill, sli stain, gas nodor

chrt wht lt gry, lt tan, tr smokey, mstly frsh, shrp, opaq, transl, vis frac por, tr sli weath edge, lt stain, gas bubs nodor

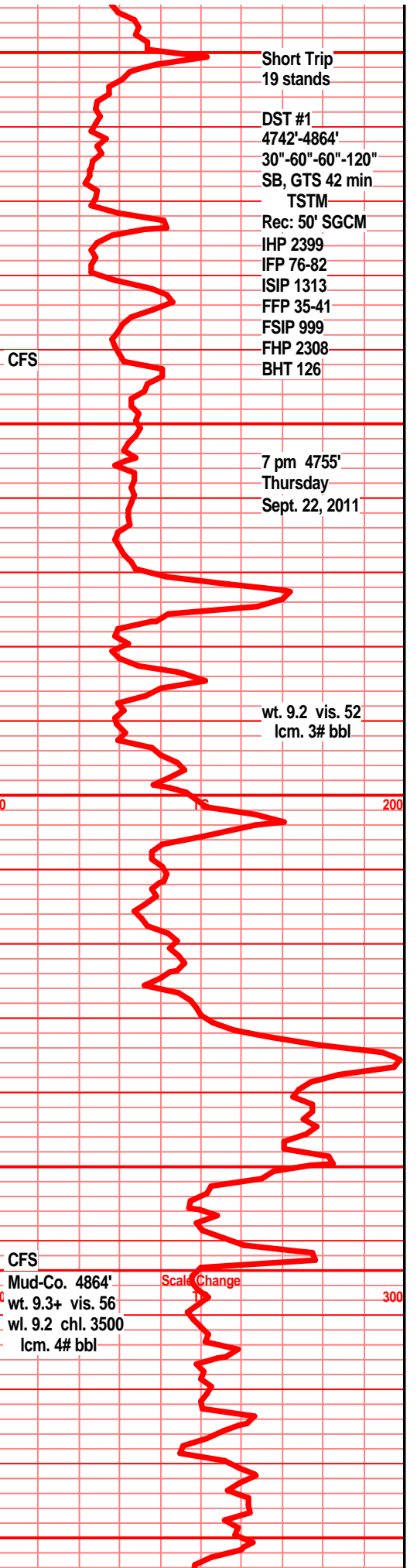
chrt wht tan lt gry, tr smokey, shrp, frsh, opaq, transl, frac por, gas bubs/stain along fracs, tr weath trip text edge, pp, moldic por, tan/brn stain, SFO, gas bubs, dull UV, sli odor, chrt wht/brn mott, tr spongy text, weath/trip text edge, pp/moldic por, brn stain, gas bubs, SSFO

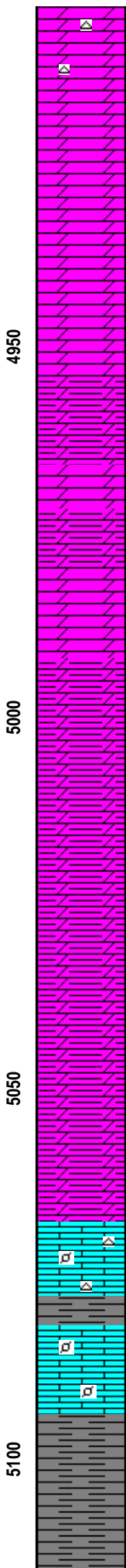
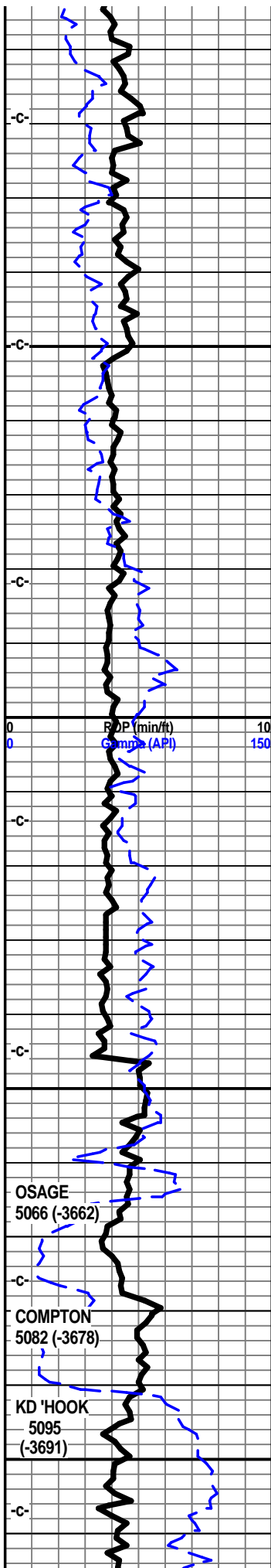
chrt wht tan gry/lt smokey, incr frsh shrp blk opaq transl w/depth, frac por, tr weath trip text por aa, sli odor, tan/brn stain, tr gas bubs, odor, dolo chrty dolo wht lt tan f vf xln gritty sndy text, tr glau, edge stain, gas bubs, SSFO, sli odor

dolo calc dolo, lt crm off wht tan, lt green tint, f vf xln blk dns hrd gran sndy, snd inclu, tr glau, tr brn stain tr gas bubs, chrt wht shrp opaq, transl

dolo crm off wht, grn tint, f vf xln dns hrd blk ang gritty, sndy text, chrty, chrty wht shrp frsh, tr stain tr gas bub

dolo crm tan lt green tint, f vf xln dns hrd blk tr silic text, tr sndy text, glau, chrty, chrt wht shrp frsh opaq, stain, lt tan/brn stain, v faint odor/brkn??





dolo, calc dolostn in prt, f vf xln blkly ang dns hrd, sub chlky in prt, tr glau, tr sndy text, chrty in prt, chrt wht shrp frsh opa, tr lt tan/brn stain,

dolo crm lt gry f vf xln dns blkly ang silic text, sndy gritty in prt, glau in prt, chrty, chrt wht shrp frsh

dolo, calc dolo, tan crm gry/green tint, f vf xln dns hrd blkly, chrty chrt wht lt gry shrp frsh

lst crm tan lt gry f vf xln dns hrd blkly, silic text in prt, chrty, chrt wht shrp frsh opa

dolo calc dolo, crm tan lt gry f vf xln blkly ang hrd dns, tr silic text, sndy gritty text, in prt, tr glau, bec silty arg in prt

dolo calc dolo f vf xln gran gritty incr gry silty arg, incr gry med gry silty dolo shls

dolo calc dolo, gry bec med gry vf xln blkly gran gritty arg silty, shls gry med gry dolo calc gritty

dolo crm gry med gry f vf xln gran silty arg, much chrt wht shrp frsh blkly opa, poor sample

mixed trash/garbage, spls appear as C2A chrt, ?

dolo silty gritty shley dolo, drk tan gry, f vf xln blkly dns arg, much chrt wht shrp frsh opa, ?

dolo calc silty dolo, vf xln gran gritty arg silty, pyritic,

dolo, calc dolo, vf xln silty gritty arg pyritic, chrt gry smokey shrp frsh opa, abun gry silty calc shl, silty gritty

much recirc spls, dolo calc dolo, lt gry gry tr med gry, f vf xln blkly ang pcs, silty gritty arg, chrt gry smokey shrp frsh

daylight tour spls>>>abun gry med gry dolo silty gritty shl, dolo calc dolo, vf xln gritty silty arg

dolo/calc dolo shls, gry med gry silty gritty, pyritic, gran dns hrd

shl gry, drk gry, silty pyritic, dolo, gran gritty, shl arg, f vf lxn dns hrd arg

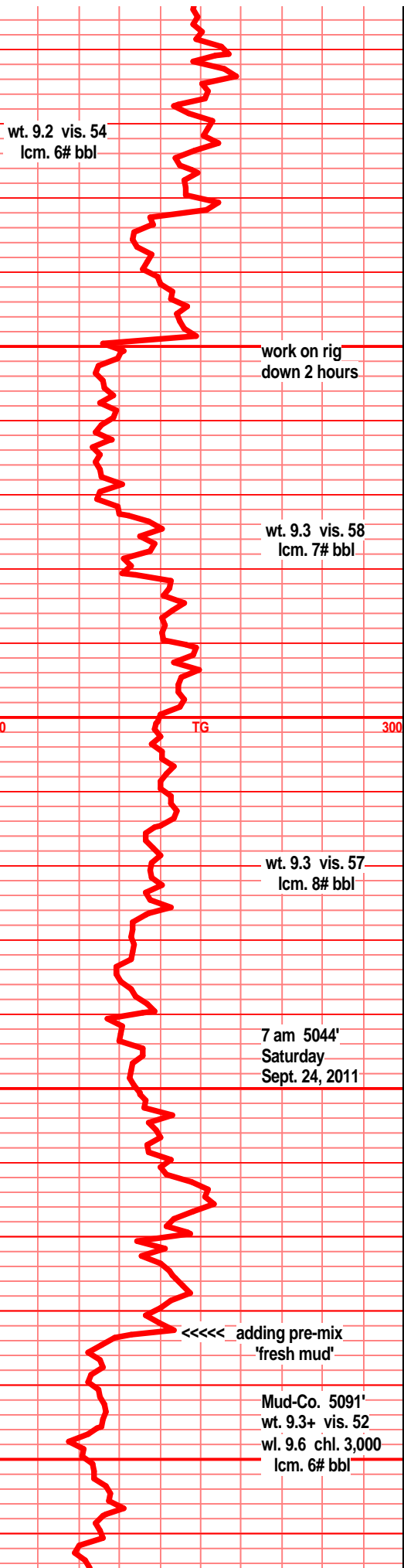
lst wht f sli med xln blkly flky ang, foss frags, micro ool/pelletal, chrty in prt, chrt wht shrp frsh opa transl

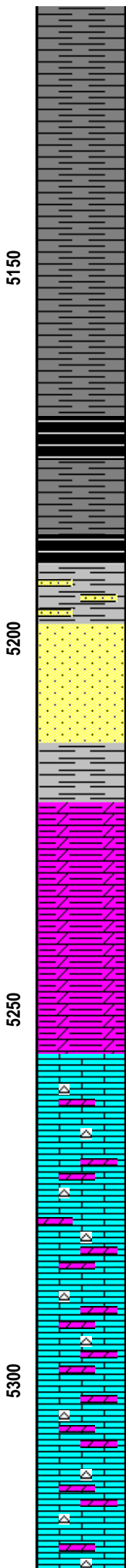
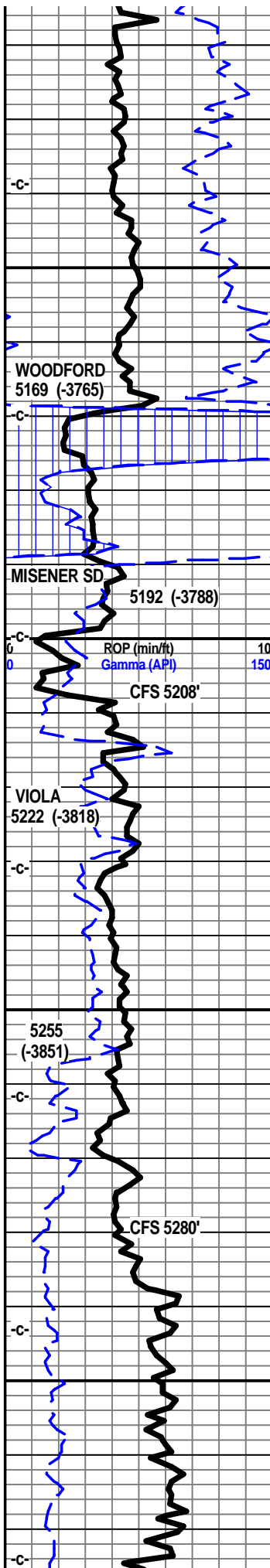
shl drk gry/green, lst wth bright wht f sli med xln blkly ang flky, tr sub chlky text, tr glau, chrty in prt, chrt wht shrp

lst wht off wht f xln bky ang dns sub chlky, foss frags, pelletal, tr glau,

shl gry, med gry, silty gritty, pyritic bands, soft gran in prt

shl gry drk gry blk, silty gritty, pyitic bands,





shl drk gry blk, brn/blk, silty gritty, pyritic in prt

shl drk gry blk, blk semi carb text, silty gritty, pyritic in prt soft

shll gry drk gry blk, silty gritty platey, tr gas bubs, pyritic

shl gry dkr gry, red/brn blk, silty flky splintery pcs, tr gas bubs, tr snd grn inclu

shl gry med gry, blk, tr carb inclu, silty gritty, v fnly sndy in prt tr gas bubs

shl drk gry, red/brn, reddish blk, blk, silty gritty, organic, semi carb, pyritic/cu inclu, soft, spitting gas

shl drk gry blk, drk brn/red/blk, silty gran gritty pcs, pyritic/cu fill, abun gas bubs, "spitting" gas in spl tray

shl gry drk gry blk, silty, sst wht clr clstrs, f grnd, ang grns, w/srtd, w/cem, pyritic, clay/mineral fill, tr gas bubs

sst clr, wht clstrs (yellw grn inclu), f grnd sb rded, msly rded grns, w/srtd, fair cem, calc cem, limy in prt, sub fria to tite, mineral fill, blk mineral fill, clay clast fill, foss frags, tr gas bubs 1-2 pcs

shl gry med gry soft mushy, silty gritty, pyritic, abun gas bubs

shl gry med gry silty gritty, soft, gran, pyritic

dolo, shly dolo stn, brn/red, silty, gritty, gran, soft, shls red brn, brn blk, silty, gritty pyritic, silty semi carb text, abun gas bubs, shl gry soft silty gritty gas

shl gry lt med gry silty soft gritty, lst gry wht marl, soft mushy f xln gran,

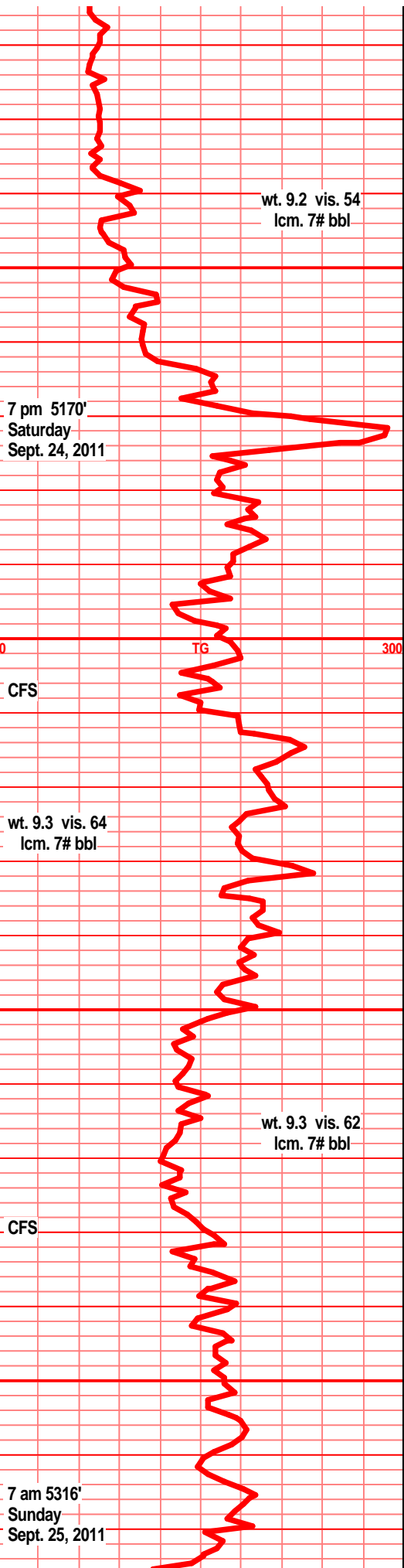
shl gry lt gry soft silty gran, shl brn gry silty gritty soft, abun gas bubs

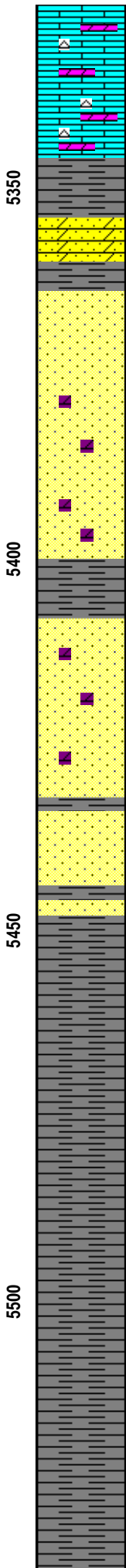
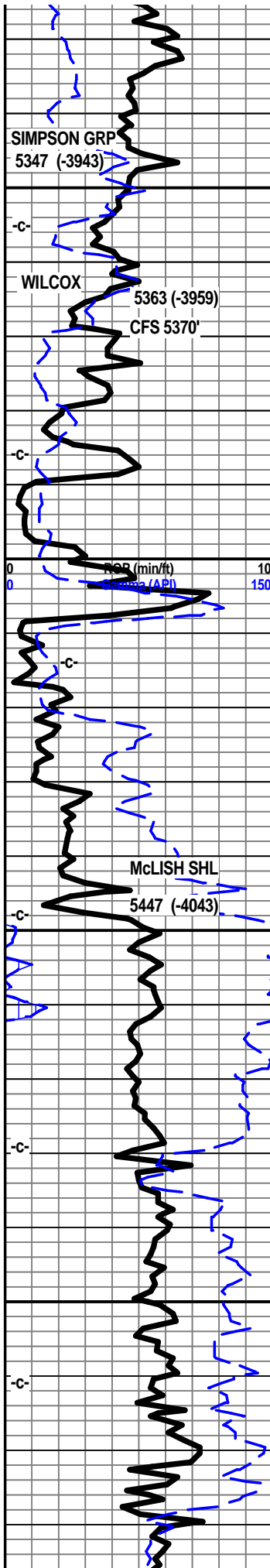
lst wht, off wht, wht/gry mott, f sli med xln, blk, ang, sub chky in prt, inter xln por, foss frags, pelletal in prt, pyritic in prt, chrt in prt, chrt wht shrp frsh foss, tr dolo lt tan, lt brn, f vf xln dns gran, tr suc text, inter xln por, tr chrt, chrt dull tan shrp frsh opa q foss

lst wht, off wht, wht lt gry mott, f sli med xln, sub chky, flky, inter xln por, chrt in prt, chrt wht shrp opa q foss, dolo, tan lt brn vf xln suc text in prt, arg, chrt, chrt dull tan shrp frsh foss

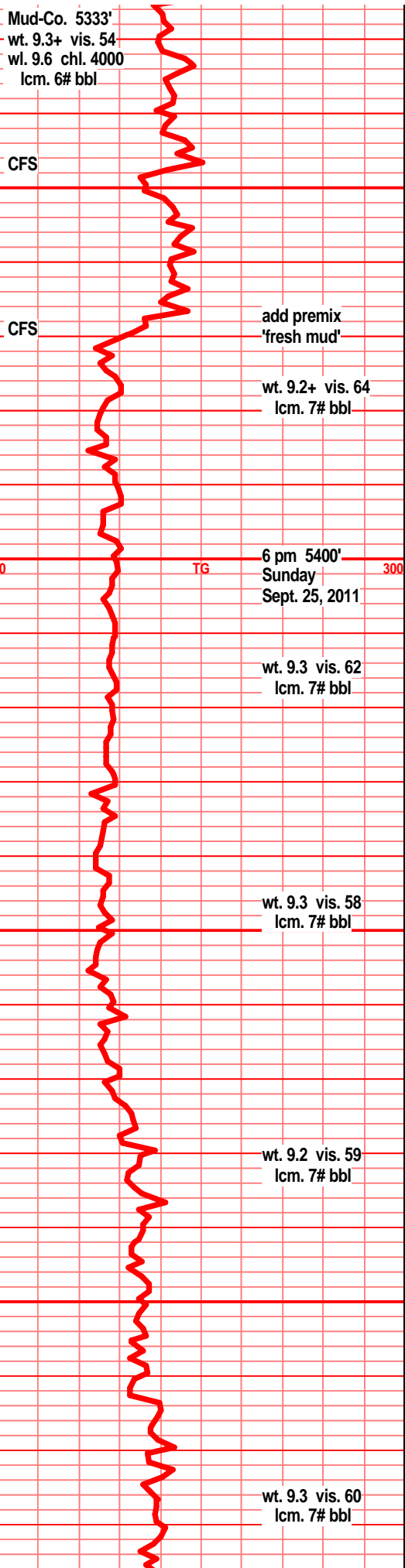
lst wht off wht lt gry mott f sli med xn flky sub chky tr foss frags, pyritic fill, inter xln por, chrt in prt, chrt wht shrp frsh, tr dolo wht tan lt brn f vf xln dns, hrd, blk, ang pcs, chrt in prt, chrt dull tan lt brn shrp frsh opa q foss

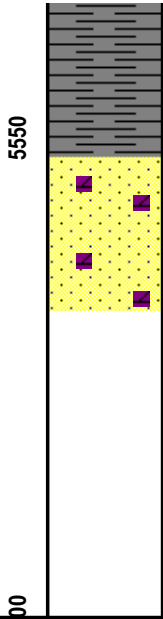
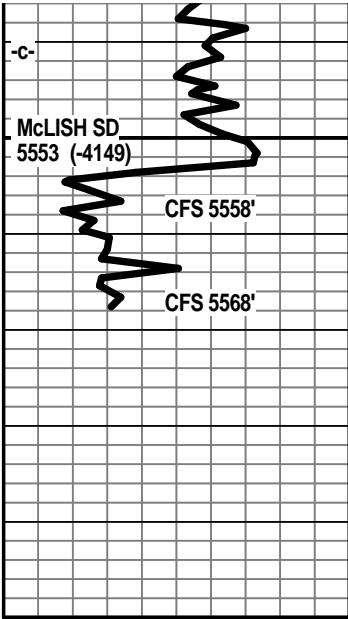
lst wht tan lt gry mott f med xln blk ang dns hrd, flky, sub chky tr foss frags, pyritic fill chrt in prt, chrt wht shrp frsh, dolo tan lt tan/gry brn f vf xln dns hrd bky pcs, gran, tr suc text, chrt, chrt dull tan shrp frsh foss opa q





1st dolo tan drk tan brn f vf xln, dns hrd blkly ang chrtly, much chrt brn shrp frsh opa
 dolo tan lt brn f vf xln dns hrd blkly, tr sucr text, tr foss frags, v chrtly, chrt tan dull tan/brn shrp frsh blk opa, shl drk gry green, deep teal green silty pyritic
 shl gry drk gry teal blue green, sst gry/green f grnd, sub ang grns, prly srted, w/cem, sub fria, tite, calc fill, pyritic dolomitic NS
 sst clr lt tan clstrs, f grnd, sub ang/sub rded grns, w/srted, fria to sub fria, fairly cem, silic cem, min fill, drk brn oil smears, nodor, sst tan clstrs f grnd sub rded grns, prly srted, prly cem, fria, gran, min fill, tr pyritic, NS
 sst wht clr clstrs, f grnd, sug ang/sub rded grns, w/srted, pr/fair cem, silic cem, sub fria to tite, min fill, tr grn clsy/shl fill
 sst wht lt tan clstrs, f grnd sub rded, tr ang grns, w/srted, prly cem, sub fria to fria, gd inter grn por, tr glau, tr min fill, mstly sort crmbly clstrs
 shl gry teal blue green silty snd grn inclu, sst aa
 sst wht, off wht tr lt tan clstrs, f vf grnd, sub ang/sub rded grns, w/srted, fair to well cem, sub fria to tite blkly ang clstrs, xln dolo fill, min fill, pyritic in prt, tr clay fill NS
 sst wht off wht clstrs, f vf grnd, sub ang to rded grns, w/srted, sub fria to tite, dolo xln fill/cem, min fill, pyritic in prt, tr glau, tr clay fill
 sst wht tr clr clstrs, f tr vf grnd, sub rded/rded grns, w/srted, sub fria, mstly semi fria hrd blkly clstrs, w/cem, dolo xln fill/cem, min specks, tr clay fill, tr pyritic,
 shl drk gry/green, dark teal/blue green, silty, pyritic, wxy grsy, snd grn inclu
 shl drk gry/green, dark teal green, silty, gritty, sndy in prt, glau, snd grn inclu, pyritic in some
 shl drk gry/green, dark teal green, wxy slick, silty, gritty in prt, sndy in prt, snd gr inclu, pyritic bands, tr glau
 shl drk gry green, silty slick gritty
 shl gry drk gry green, teal green, silty, pyritic, snd grn inclu,
 shl drk gry green, drk teal green, silty, pyritic, wxy grsy
 slh drk gry green, drk teal green, silty, pyritic bands, sndy gritty in prt, pyritic
 shl drk gry green, drk teal green, silty, sndy, snd grn inclu
 shl gry drk gry blk, drk gry green silty sndy in





prt

shl gry drk gry green, silty, gritty, sndy in prt, slick wxy grsy pyritic

sst lt gry clstrs, f vf grnd, sub ang grns, fair to prly srted, w/cem, fria to sub fria, mstly packed dns, silic cem, min fill, pyritic, flood of loose clr w/rded vfn snd grns in spl tray.

sst lt gry clstrs, tr clr, f grnd, sub ang grns, prly srted, w/cem, silic cem, min fill, pyritic, clay fill, abun loose grains

Woolsey Operating Co. LLC.
Nusser #2
2310' FSL, 2230' FWL
NE NE SW
11-T35S-R12W
Barber County, Kansas

