



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1115396  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1115396

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
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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
<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

<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 <i>(Specify)</i> _____	<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  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 12, 2013

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

Re: ACO1  
API 15-007-23940-00-00  
TUCKER GU A 3  
NW/4 Sec.28-33S-10W  
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 OIL & GAS SERVICES, LLC 053900

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Medicine Lodge KS

DATE <u>10-24-12</u>	SEC <u>28</u>	TWP <u>33</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Tucker A</u>		WELL # <u>3</u>		LOCATION <u>Gex lane + Blue stem, 2 1/2 sec, 5/8</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Heard  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8 T.D. 5050  
 CASING SIZE 5 1/2 DEPTH 4955  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL 1 1/2 DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 49.16  
 CEMENT LEFT IN CSG. 44'  
 PERFS. 118  
 DISPLACEMENT Bbls 2% KCL Water

OWNER Woolsey  
 CEMENT AMOUNT ORDERED 75 x 60' 40' 4% gel  
100' x class H + 10' salt + 10' log up + 6' Kolsent +  
8% FL-160 + 1/4" Floss and 12 gals C/m per  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER D Felton  
 # 558-555 HELPER S Parody  
 BULK TRUCK  
 # 356-290 DRIVER J. Heard  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

See Job log  
Bump #199  
11/10/12  
Floats D.I.  
THX

CHARGE TO: Woolsey  
 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.  
Donald Boyd

PRINTED NAME \_\_\_\_\_  
 SIGNATURE Donald Boyd

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB 4955'  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD Heard Rental @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

1- AFD Float Shoe @ \_\_\_\_\_  
1- Catch Down Plug Assy @ \_\_\_\_\_  
8- Washlines @ \_\_\_\_\_  
24- Recip. Scrubbers @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**Woolsey Operating Company, LLC**

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

Measured Depth Log

Well Name: TUCKER GU A-3  
Location: Approx NW NE SW NW  
License Number: API: 15-007-23940-00-00  
Spud Date: October 15, 2012  
Surface Coordinates: Section 28-T33S-R10W, 1450'FNL, 810' FWL  
Spicer Pool  
Bottom Hole Vertical Hole  
Coordinates:  
Ground Elevation (ft): 1458 K.B. Elevation (ft): 1468  
Logged Interval (ft): 3900 To: 5050 Total Depth (ft): 5050  
Formation: McLish Shale  
Type of Drilling Fluid: Chemical Mud, Displace at 3200'.  
Region: Barber County, Kansas  
Drilling Completed: October 24, 2012

Printed by WellSight Log Viewer 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: W. Scott Alberg  
Company: Alberg Petroleum, LLC  
Address: 609 Meadowlark Lane  
Pratt, Kansas 67124

## FORMATION TOPS

### SAMPLE TOPS

### LOG TOPS

HUSHPUCKNEY SHALE	4317(-2849)	4318(-2850)
B/KC	4371(-2903)	4372(-2904)
PAWNEE	4462(-2994)	4465(-2997)
CHEROKEE GROUP	4513(-3045)	4512(-3044)
MISSISSIPPIAN	4544(-3076)	4541(-3073)
KINDERHOOK SHALE	4770(-3302)	4773(-3305)
WOODFORD SHALE	4841(-3373)	4841(-3373)
VIOLA	4882(-3414)	4884(-3416)
SIMPSON GROUP	4969(-3501)	4970(-3502)
SIMPSON SAND	4984(-3516)	4982(-3514)
MCLISH SHALE	5041(-3573)	5042(-3574)
RTD	5050(-3582)	
LTD		5052(-3585)

## COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 215'(tallied 202') with 240 sxs Class A, 2% gel, 3% cc, plug down at 12:00 pm on October 15, 2012. Cement did Circulate.

Production Casing: 5 1/2" Casing Ran.

Deviation Surveys: 3/4 - 215', 3/4 - 541', 1/2-882', 1/2 - 1408', 3/4 - 1875', 1 - 2369', 2 1/2 2769', 1 -13169', 1 3/4 - 3447', 1 - 3941', 1-4283', 3/4 - 5050'.

Contractor Bit Record:

1- 14 3/4" out at 215'.

2- 7 7/8" (PDC) out at 4283'.

3 - 7 7/8" out at 5050'.

Pipe Strap at 4283', Strap 4.49' long to board.

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: NONE

Logged by Superior Well Services.

LTD - 5053'.

## DSTs

No DST's Run

## CREWS

Hardt Drilling, Inc Rig #1

Tool Pusher - Scott Adelhardt

Drillers - Days - Steve Myers

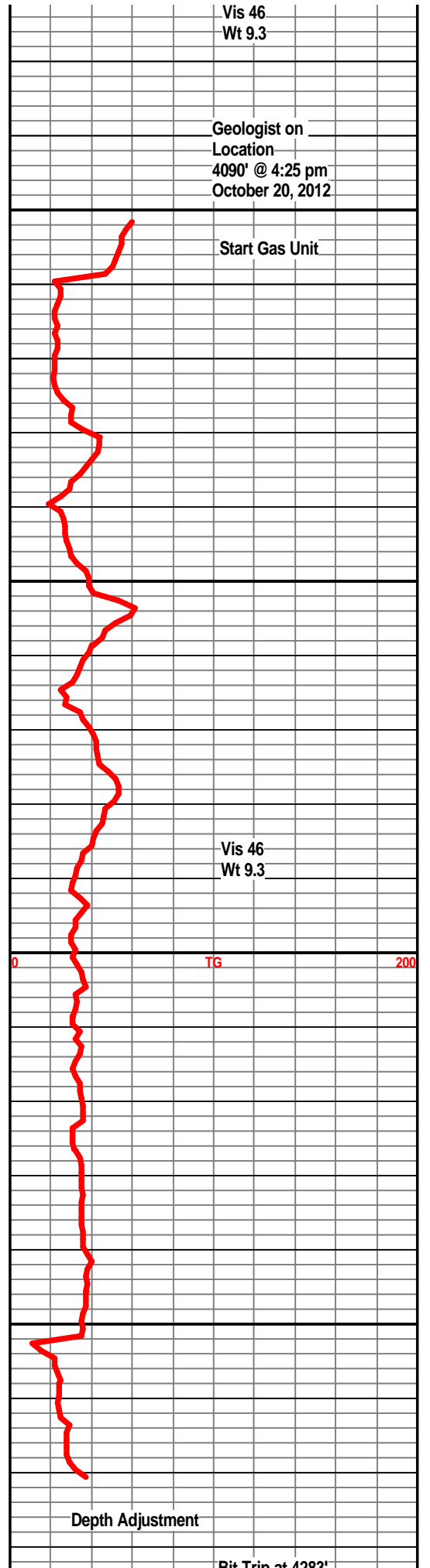
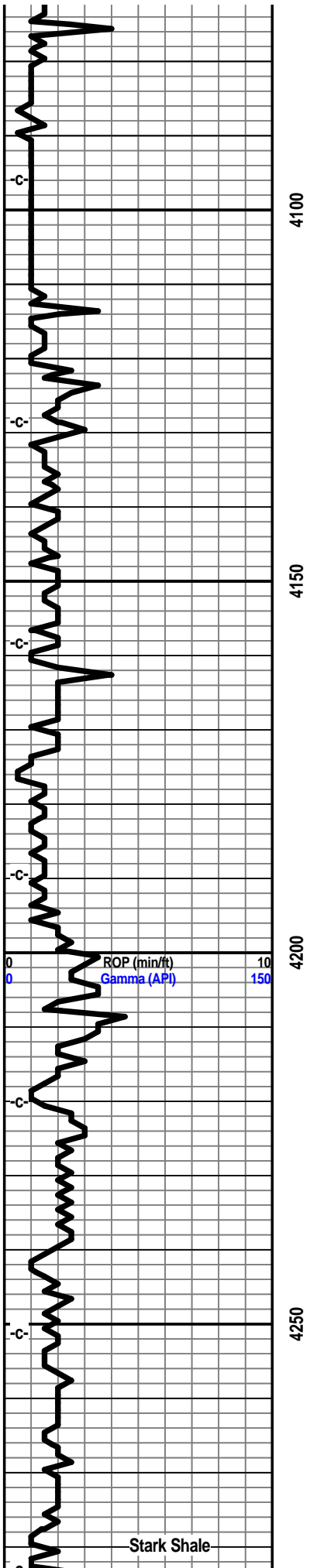
Evening - Jody Divine

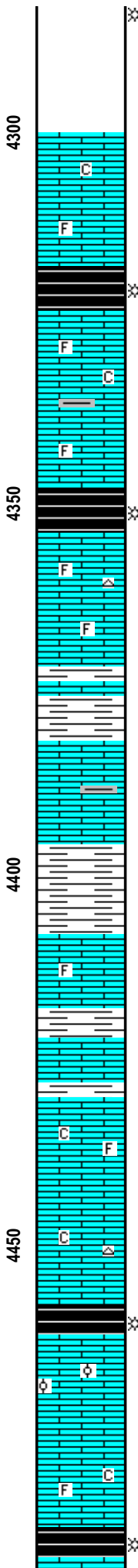
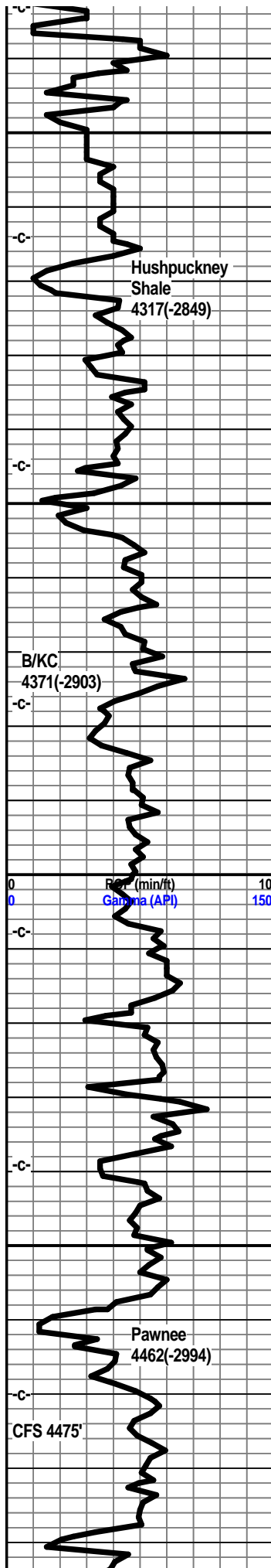
Morning - Billy Maas











4300

Limestone, tan, buff, grey-white, xln, mostly dense, traces of fossils, subchalky in part.

Shale, grey, black, carb

Limestone, tan, buff-white xln, dense in part, fossils in part, subchalky.

Limestone, tan, buff, xln, trace grey shale, slightly foss.

Shale, grey-black, carb.

Limestone, tan, xln, trace tan chert, slightly foss

Shale, grey-green, pale green.

Limestone, pale green, tan, xln, shaley in part.

4350

Shale, grey-green, pale green, slightly calcitic.

Limestone, buff-white, tan, xln, dense, slightly foss.

Shale, light grey, pale green, maroon.

Limestone, tan-white, xln, dense.

Shale, light grey.

Limestone, buff-white, tan, xln, dense, fossils, subchalky in part.

Limestone, buff, tan-white, xln, dense, suchalky, traces of tan chert.

4400

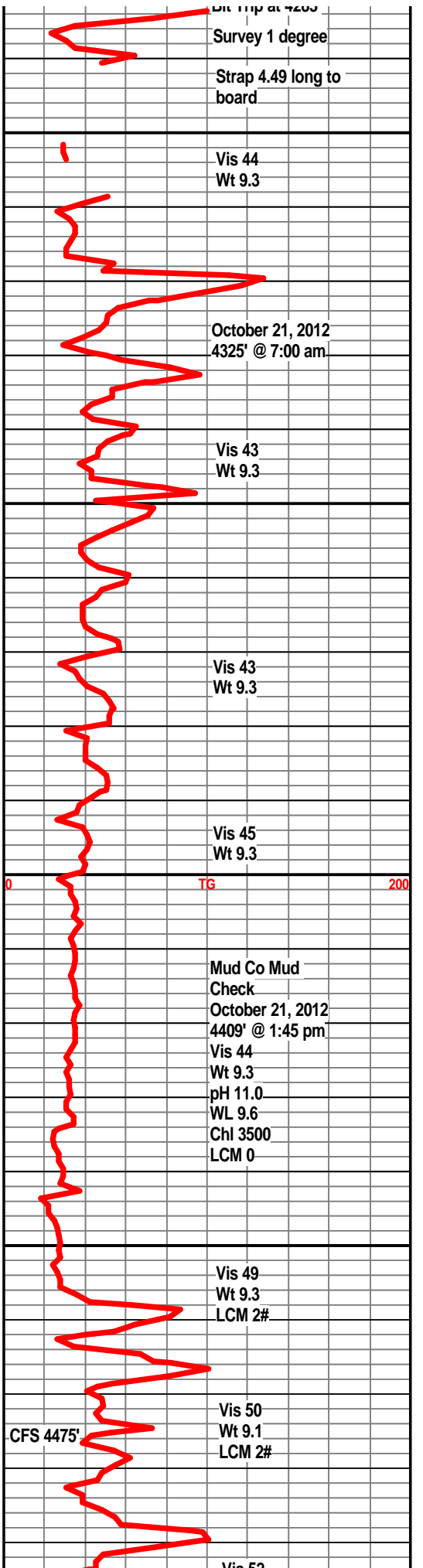
Shale, grey-black, carb., trace gas bubbles.

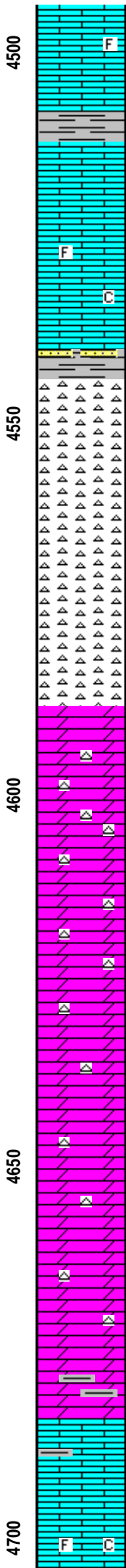
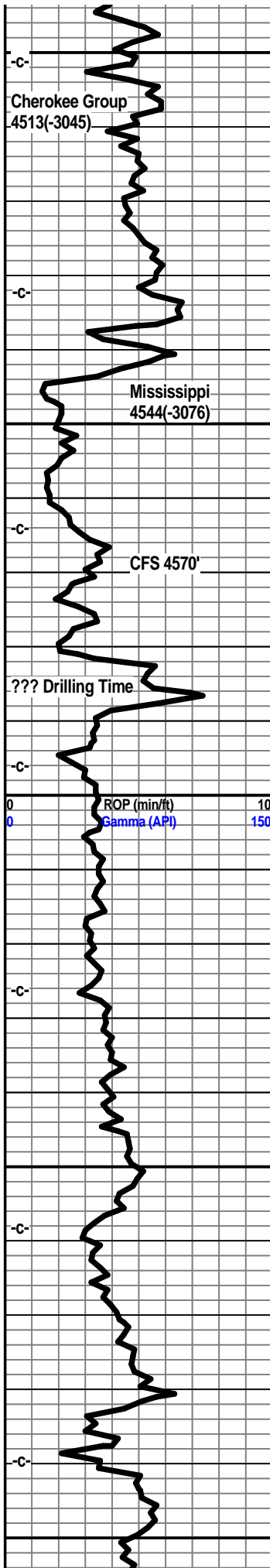
Limestone, buff-white, tan, fxln, partly dense, micro oolite, some fossils, traces of xln porosity, faint odor, very faint show light oil. Very dull fluor.

Limestone, buff-white, tan, xln, dense, subchalky.

4450

Shale, grey-black, gas bubbles, carb.





Limestone, tan, grey-white, fxl, dense, trace foss, shaley in part.

Shale, grey, light grey.

Limestone, tan, grey-white, xln, dense.

Limestone, grey-white, buff, xln, dense in part, subchalky, trace foss.

Shale, light grey, sandy, trace grey-white sand clusters, questionable stain.

Chert, white to tan-white, weathered, scattered vugs, traces of pin point porosity, good show of free oil, good gassy odor, scattered dull fluor.

Chert, off-white, tan, weathered, increasing amounts of fresh sharp chert, scattered pin point porosity, trace of small vugs, p-f show free oil, p-f gassy odor, scattered dull fluor.

Chert, white, off-white, tan, mostly sharp fresh chert, some weathered, traces of pin point porosity, faint to poor odor, slight show free oil, very dull scattered fluor.

Chert, tan-white, off-white, some weathered, mostly fresh, traces of pin point porosity, faint odor, slight show oil, scattered staining, slightly dolo in part.

Dolo, tan-white, buff, xln, dense, weathered cherts, faint odor, scattered light staining, poor show oil, scattered fresh chert.

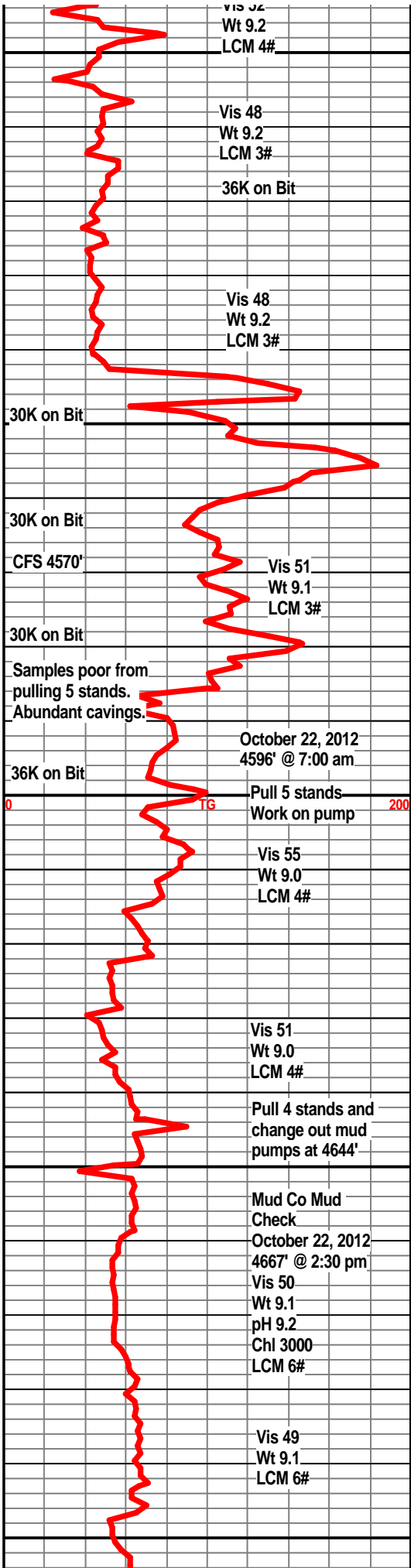
Dolo, tan, tan-white, xln, dense, tan to off-white cherts, weathered to sharp, trace of pin point porosity, trace show light oil, scattered light staining, very faint odor.

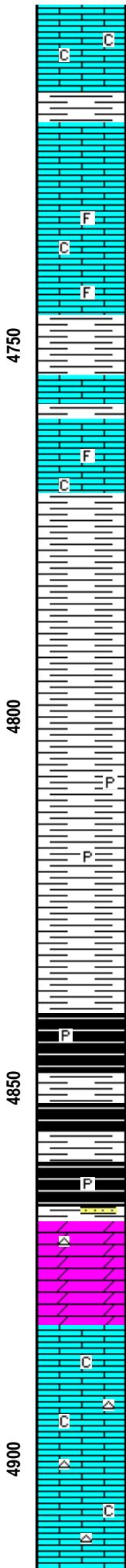
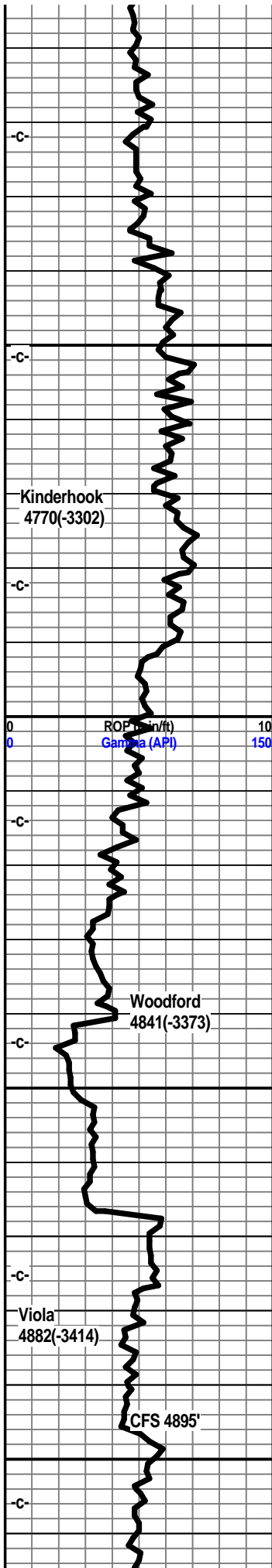
Dolo, tan, grey-white, xln, dense, traces weathered to sharp cherts, some trace pin point porosity, traces scattered light brown staining, traces grey shales.

Dolo, grey-white, tan, xln, dense, scattered weathered and fresh sharp cherts, some pin point porosity, traces of light brown staining, grey-green splintery shales.

Dolo, grey-white, xln, dense, as above.

Limestone, cream, tan-white, xln, dense, trace fossils, chalky in part, traces of green shales.





Shale, grey-green, splintery.

Limestone, buff-white, grey-white, xln, dense, subchalky, trace fossils.

Limestone, cream, buff-white, xln, dense, chalky, trace fossils, traces of white chert.

Shale, light grey to grey, silty, ls frags.

Shale, grey, dark grey, silty.

Shale, dark grey, grey, silty.

Shale, dark grey, grey, traces of pyrite.

Shale, grey-black, coffee brown, gas bubbles.

Shale, grey-black, carb.

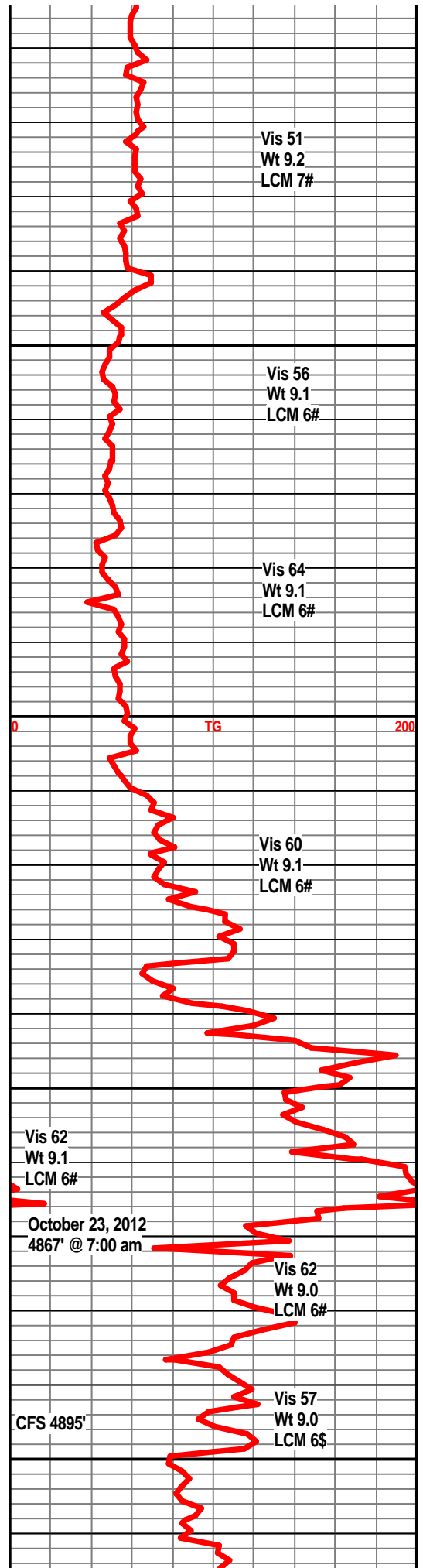
Shale, grey, coffee-brown, grey-black, carb, gas bubbles.

Dolo, grey-white, xln, silty, trace of white chert, some shaley pyritic sand clusters on top, no visible shows.

Limestone, cream-white, white, xln, slightly dolo, some xln porosity, trace chert, chalky in part, no visible shows.

Limestone, cream, tan-white, xln, traces of xln porosity, chalky, trace white chert, some grey-white ls, no visible shows, no odor, trace mineral fluor.

Limestone, tan-white, xln, dense, tan-white sharp cherts, slightly dolo in part.



Vis 51  
Wt 9.2  
LCM 7#

Vis 56  
Wt 9.1  
LCM 6#

Vis 64  
Wt 9.1  
LCM 6#

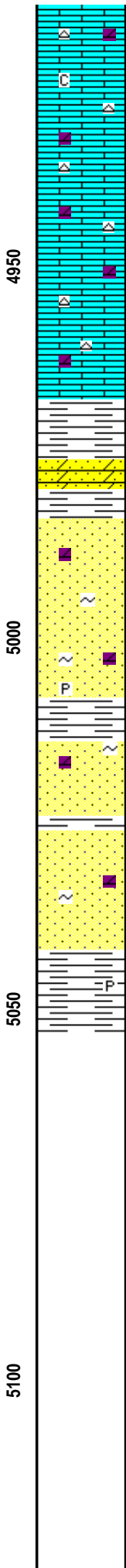
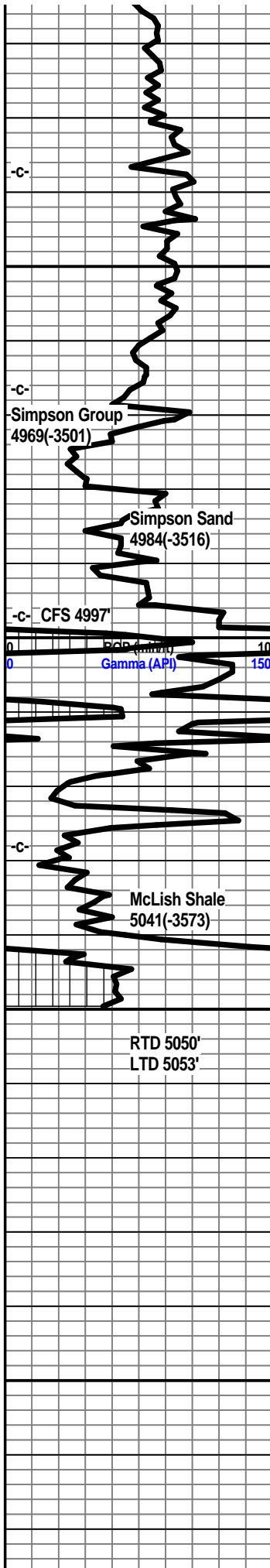
Vis 60  
Wt 9.1  
LCM 6#

Vis 62  
Wt 9.1  
LCM 6#

October 23, 2012  
4867' @ 7:00 am

Vis 62  
Wt 9.0  
LCM 6#

Vis 57  
Wt 9.0  
LCM 6\$



Limestone, tan-white, tan, xln, dense, chalky in part, sharp tan cherts, no vis shows.

Limestone, tan, tan-white, xln, grainy texture, sharp tan cherts, slightly dolo.

Limestone, tan, tan-white, xln, grainy, sharp tan cherts, slightly dolo.

Shale, pale green to dark green.

Sandy dolo, coarse grained, dense, well cemented, slightly shaley, no visible shows.

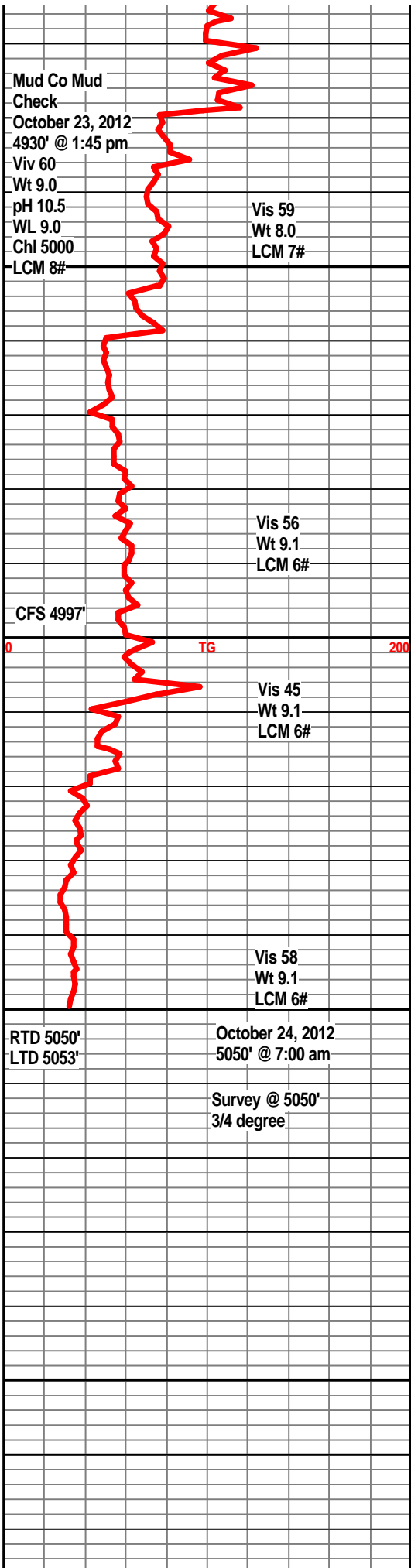
Sandstone, clear to tan-white, SA to SR, fair sorting, friable in part, slightly dolo in part, traces light brown stain, very faint show oil, no odor,

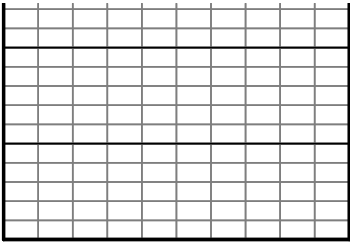
Poor Samples, - abundant shales, scattered sand clusters.

a/a, no shows.

Sandstone, clear to white frosted, fine grained, well sorted, friable, slightly dolo, glauc, no visible shows.

Shale, dark green to a teal green, massive.





50

