



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

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: _____



1062628

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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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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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

September 01, 2011

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

Re: ACO1
API 15-007-23686-00-00
JAHAY 4
NW/4 Sec.31-33S-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 CEMENTING CO., LLC. 040160

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Med. Lodge

DATE <u>5-12-11</u>	SEC <u>31</u>	TWP. <u>33S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30pm</u>	JOB FINISH <u>9:30pm</u>
LEASE <u>Johay</u>	WELL # <u>4</u>	LOCATION <u>Sharon, KS, Tricity Rd. 7S to Kachidell</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>2.8w, Sinko</u>					

CONTRACTOR H-2 Rig #3
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5136'
 CASING SIZE 5 1/2 DEPTH 5032
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1400psi MINIMUM
 MEAS. LINE SHOE JOINT 42'
 CEMENT LEFT IN CSG. 42'
 PERFS.
 DISPLACEMENT 120665 2% WCL
 EQUIPMENTs / Meters

OWNER Woolsey operating
 CEMENT
 AMOUNT ORDERED 75sx 60:40:4%sol
140sx class H + 10% Gyp + 10% salt
+ 60 gal sol + .8% FL-160 + 1/4" Flo Seal Degals Clapno
 COMMON class A 45sx @ \$16.25 731.25
 POZMIX 30sx @ 8.50 255.00
 GEL 3sx @ 21.25 63.75
 CHLORIDE @
 ASC @
class H 140sx @ 19.25 2695.00
Gyp seal 13sx @ 34.20 444.60
Salt 15sx @ 23.95 359.25
Kol seal 840 # @ 1.09 747.60
FL-160 105 # @ 17.20 1806.00
Flo seal 35 # @ 2.70 94.50
Clapno 12gals @ 31.25 375.00
 HANDLING 267 @ 2.25 600.75
 MILEAGE 15.11/267 440.55
 TOTAL 8613.25

WELL FILE
 Regulatory Correspondence
 Dept Comp Workovers
 Operations

PUMP TRUCK CEMENTER Mark Thinesch
 # 471/265 HELPER Jason Thinesch
 BULK TRUCK
 # 363/250 DRIVER Oard Folso
 BULK TRUCK
 # DRIVER

REMARKS:
Brk circ with Rig pump ball through
MRK 25sx cement for Rathole
MRK 50sx for scrouser
MRK 140sx cement shutdown wash pump times
disp 120665 2% WCL
Bump plug 700 psi to 1400 psi
plug hole

JUN - 9 2011
 SERVICE
 DEPTH OF JOB 5032'
 PUMP TRUCK CHARGE 2695.00
 EXTRA FOOTAGE @
 MILEAGE 30 @ 7.00 210.00
 MANIFOLD Head Rental @ 200.00
Light Vehicle 30 @ 4.00 120.00
 TOTAL 3225.00

CHARGE TO: Woolsey operating
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT
5 1/2
 1- AFU guideshoe @ 349.00
 1- Latch down plug Assy. @ 277.00
 28- Scalers @ 76.00 2128.00
 13- turboizers @ 80.00 1040.00
 TOTAL 3794.00

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.

PRINTED NAME MIKE THARD
 SIGNATURE [Signature]

SALES TAX (If Any)
 TOTAL CHARGES [Signature]
 DISCOUNT IF PAID IN 30 DAYS [Signature]



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Jahay #4
Location: E/2 W/2 SW NW
License Number: API: 15-007-23686-00-00
Spud Date: May 4, 2011
Surface Coordinates: 1980' FNL, 620' FWL Section 31-Twp 33 South - Rge 10 West
Kochia Pool
Bottom Hole Vertical Hole
Coordinates:
Ground Elevation (ft): 1454 K.B. Elevation (ft): 1463
Logged Interval (ft): 4000 To: 5130 Total Depth (ft): 5130
Formation: McLish Shale
Type of Drilling Fluid: Chemical Mud, Displace at 3400'
Region: Barber County, Kansas
Drilling Completed: May 12, 2011
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: W. Scott Alberg
Company: Alberg Petroleum, LLC
Address: 609 Meadowlark Lane
Pratt, Kansas 67124

FORMATION TOPS

	SAMPLE TOPS	LOG TOPS
HUSHPUCKNEY SHALE	4368(-2905)	4368(-2905)
B/KC	4424(-2961)	4424(-2961)
PAWNEE	4519(-3056)	4515(-3052)
CHEROKEE GROUP	4562(-3099)	4563(-3100)
MISSISSIPPIAN	4586(-3123)	4586(-3123)
KINDERHOOK SHALE	4810(-3347)	4812(-3349)
WOODFORD SHALE	4886(-3423)	4890(-3427)
VIOLA	4734(-3471)	4931(-3468)
SIMPSON GROUP	5020(-3557)	5021(-3558)
SIMPSON SAND	5040(-3577)	5042(-3579)
MCLISH SHALE	5088(-3625)	5085(-3622)
RTD	5130(-3667)	
LTD		5131(-3668)

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 214' with 240 sxs Class A, 2% gel, 3% cc, plug down at 5:15 am on May 5, 2011. Cement did Circulate.

Production Casing: .

Deviation Surveys: 1 1/4- 220', 3/4-1208', 1/4-1718', 1/2-2226', 1 1/2-2734, 1 1/4-3211', 1-3909', 1 1/4-4002, 4097-3/4, 4668'-1, 1/2-5130.

Contractor Bit Record:

1- 14 3/4" out at 220'.

2- 7 7/8" out at 5130'

Gas Detector: Woolsey Operating Company, Trailer #2

Mud System: Mud Co, Aarron Rush, Brad Bortz, Engineers

DSTs: none

Logged by Superior Well Services.

LTD - 5131'

DSTs

No DST's Ran

CREWS

H2 Drilling Rig #3

Tool Pusher - Randy Smith

Drillers - Gary Axtell

Luis Marquez

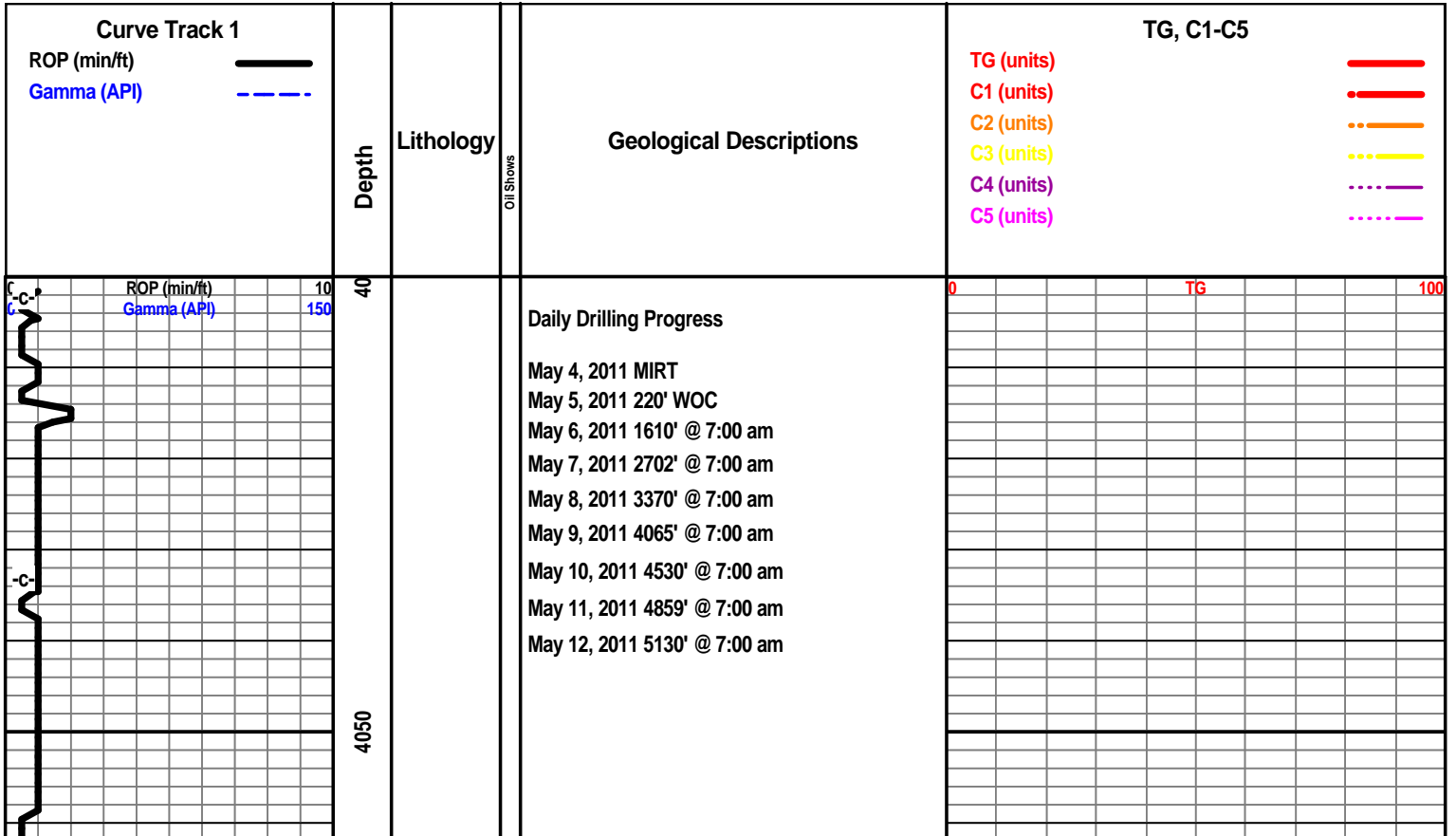
Cain Charles

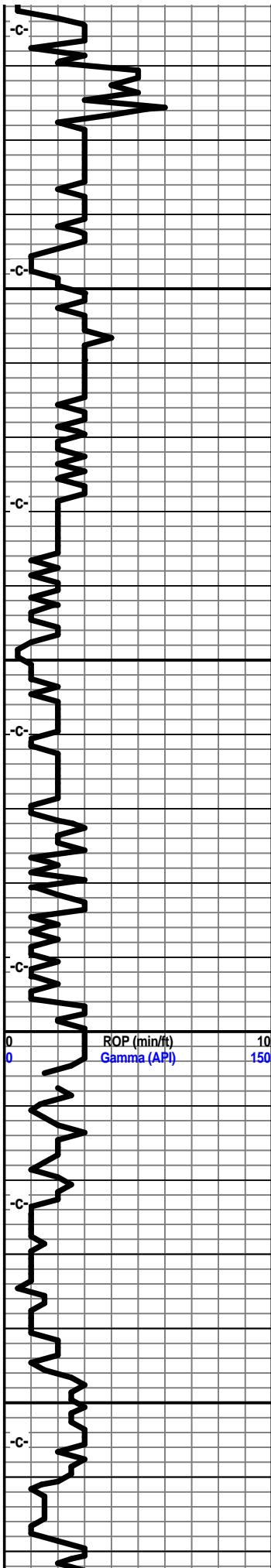
ROCK TYPES

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

ACCESSORIES

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





4100

4150

4200

4250

May 9, 2011
4065' @ 7:00 am

Mud Co Mud
Check
4080 @ 7:50 am
May 9, 2011
Vis 48
Wt 9.1
pH 10.0
WL 12.8
Chl 6000 ppm
LCM 0

Survey 4097'
3/4 degree

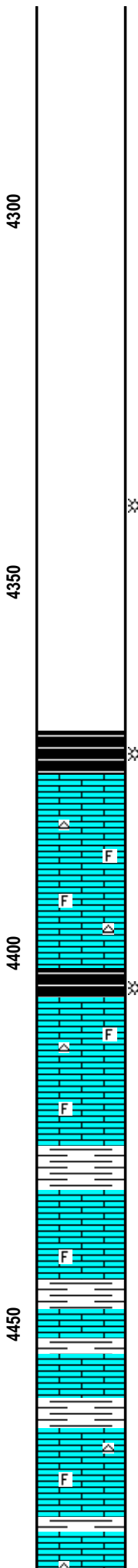
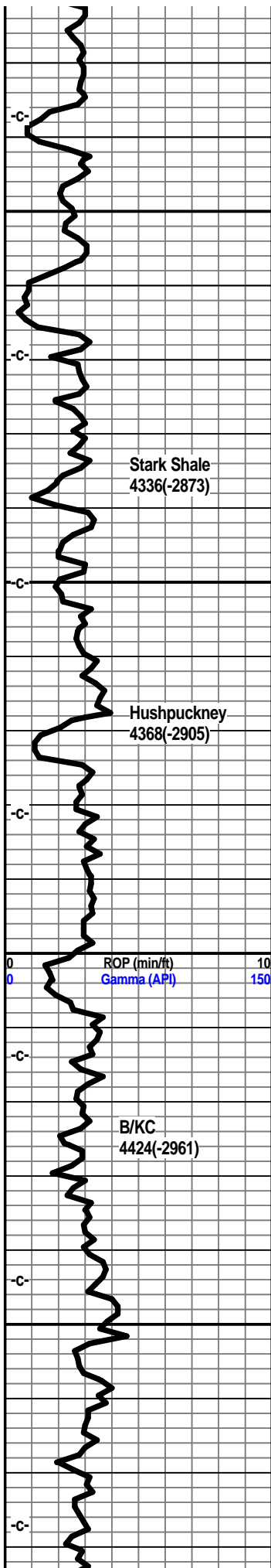
Change to #2
pump.

0 TG 100

Vis 50
Wt 9.2

Geologist on
Location @ 2:50
pm
4240'

Start Gas Detector



4300

4350

4400

4450

Shale, grey-black, carb.

Limestone, grey-white, tan, fxln, foss. in part, subchalky, traces of chert, no visible shows.

Limestone, grey-white, fxln, dense, slightly foss., subchalky.

Shale, grey-black, slightly carb.

Limestone, tan, grey-white, xln, subchalky, trace of foss.

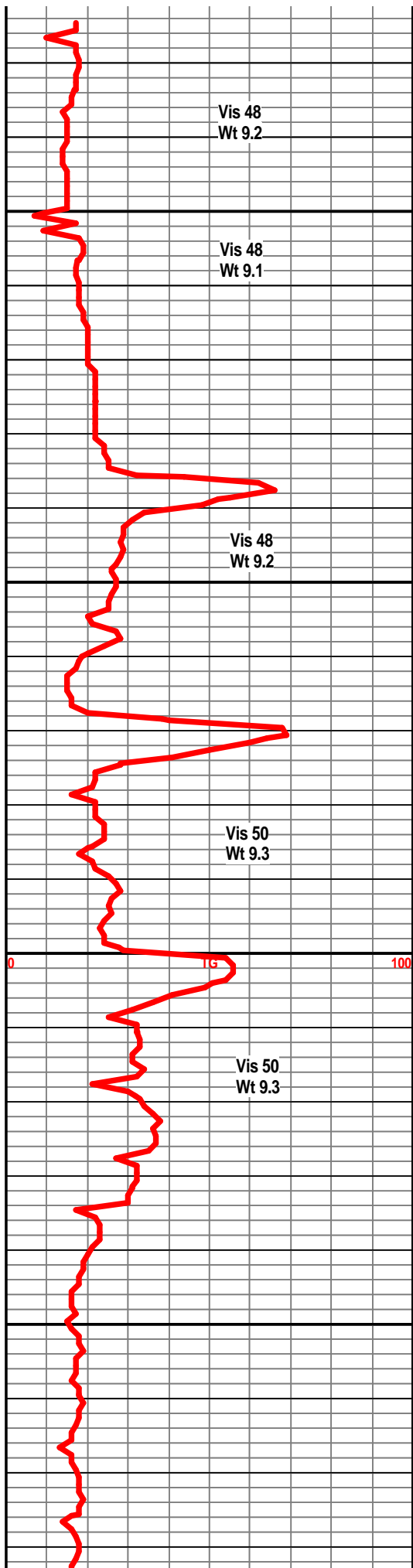
Shale, light grey, green

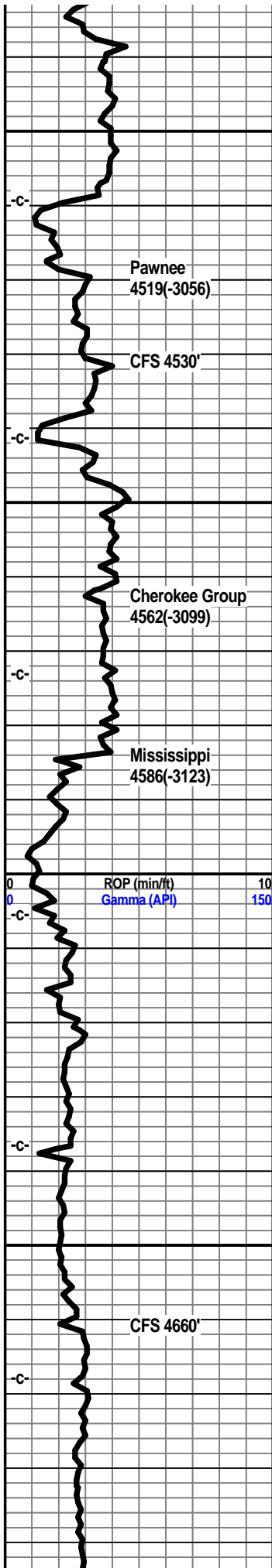
Limestone, light grey-green, xln, shaley in part

Limestone, grey-white, xln, shaley.

Shale, light grey.

Limestone, cream-white, xln, trace foss, subchalky in part, slightly shaley, trace chert.





Limestone, cream-white, tan, fxln, chalky slightly foss.

Shale, grey-green.

Limestone, cream, tan-white, xln, trace of tan cherts, chalky in part, some foss.

Shale, grey-black, carb.

Limestone, cream-white, xln, oolitic, some intercast porosity, trace of xln porosity, dull yellow fluor, subchalky in part, no visible shows, no odor.

Limestone, tan-white, xln, slightly foss, subchalky.

Shale, grey-black.

Limestone, tan-white, xln, partly dense, trace foss, chalky in part, tan chert.

Shale, light grey.

Limestone, cream-white, tan, xln, subchalky, traces of tan cherts, slightly foss. in part.

Shale, light grey, some brown sand inclusions.

Limestone, grey-white, xln, traces of trans.chert, no odor, no fluor.

Chert, off-white to white, tan, weathered, light brown scattered staining, some pin point porosity, trace of scattered small vugs, trace show of bleeding gas and light show of oil, fair odor, dull yellow fluor.

Chert, off-white, tan, some pale green, scattered light brown staining, pin point and traces of scattered small vugs, fair odor, slight show bleeding gas and some light oil, dull yellow fluor.

Dolo, grey-white, some tan, fxln, very cherty pp porosity, some small scattered vugs, light brown staining, show of gas & oil, fair odor.

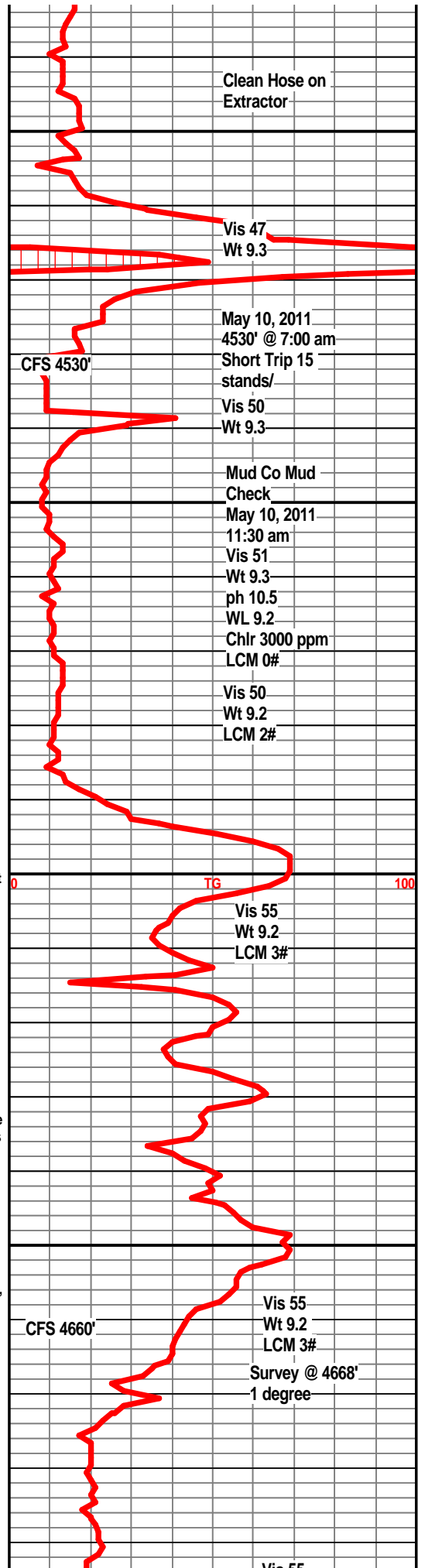
Dolo, tan-white, grey, cream, fxln, v fxln, very cherty, some sharp, weathered, pp porosity, scattered light show of gas & oil, light brown staining, fair odor.

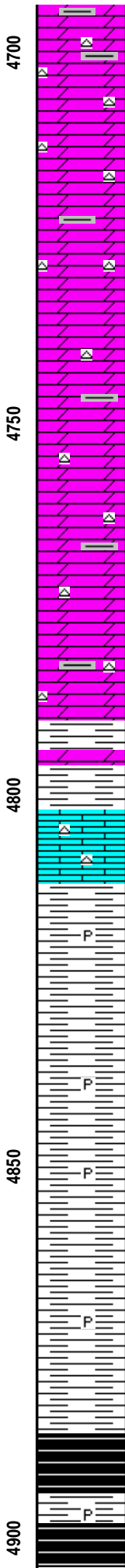
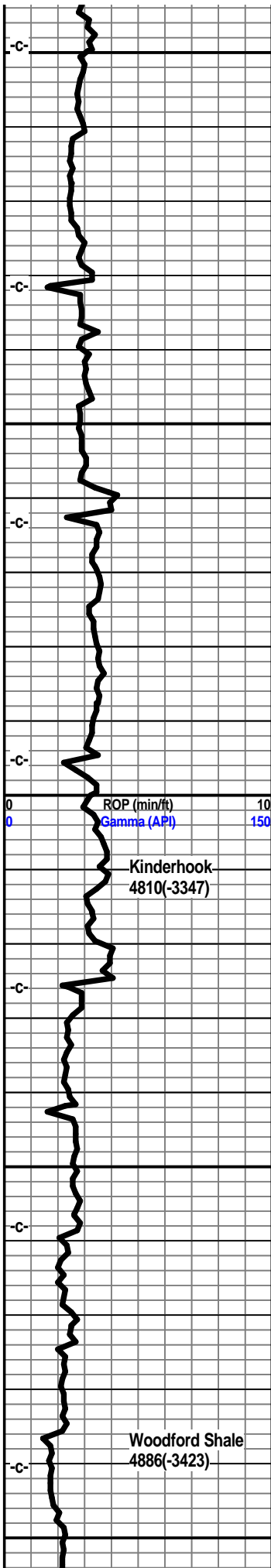
Dolo, tan-white, xln, very cherty, scattered staining, slight show oil & gas, fair odor, dull fluor.

Dolo, light grey, tan, xln, very cherty, pp porosity, scattered light brown staining fair odor, slight show gas & oil, dull fluor.

Dolo, grey-white, xln, very cherty, fresh to weathered w/ light scattered staining, faint odor, slight show of oil.

Dolo, grey white, xln, cherty, trans to weathered cherts, some light scattered staining, v. faint odor, dull fluor.





Dolo, grey-white, xln, cherts, weathered to fresh, trans, faint staining, increasing shales.

Dolo., Light grey-white, xln, weathered to fresh sharp cherts, some with light scattered stain, grey blkly shales.

Dolo., light grey, off-white, xln, fine grained, white to off-white weathered chert, grey splintery shales.

Dolo, light grey, fxl, cherty, some grey shales.

Dolo, grey-white, ffxln, traces of chert, fresh to sharp, weathered in part, grey shales.

Shale, dark grey-green, dolo.

Limestone, cream-white, fxl, subchalky, traces of fresh cherts.

Shale, dark grey, silty

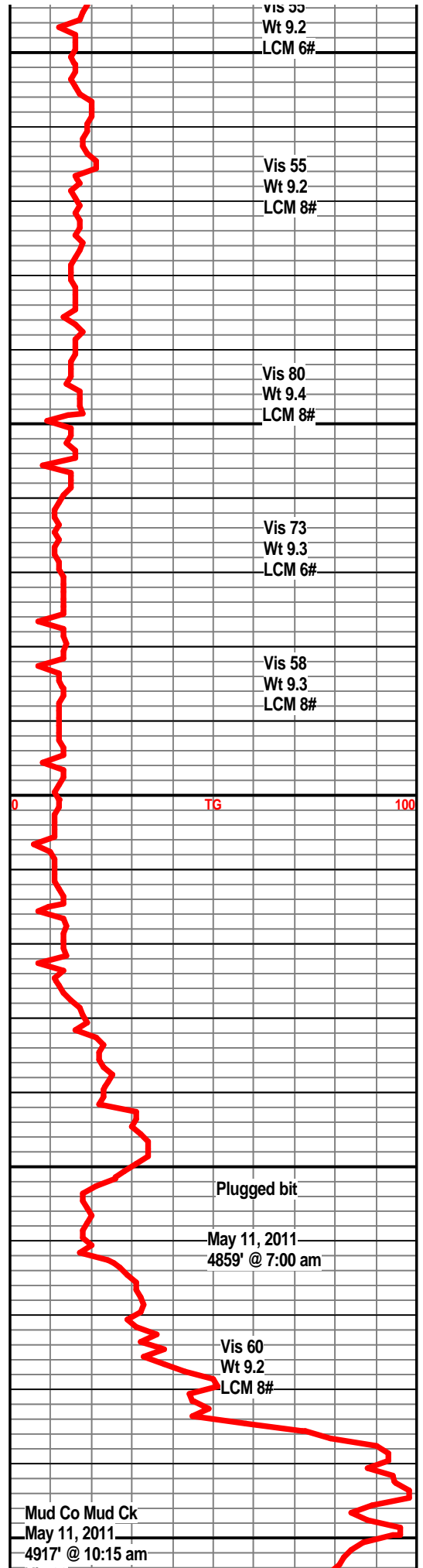
Shale, dark grey, traces of pyrite.

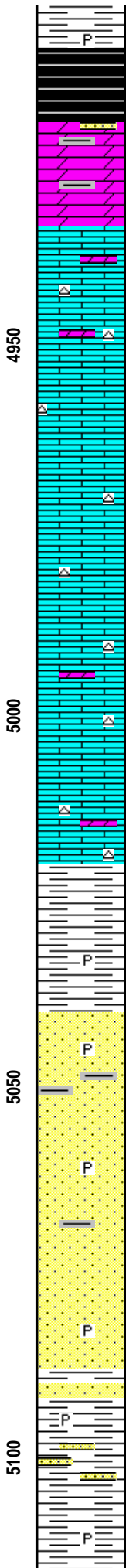
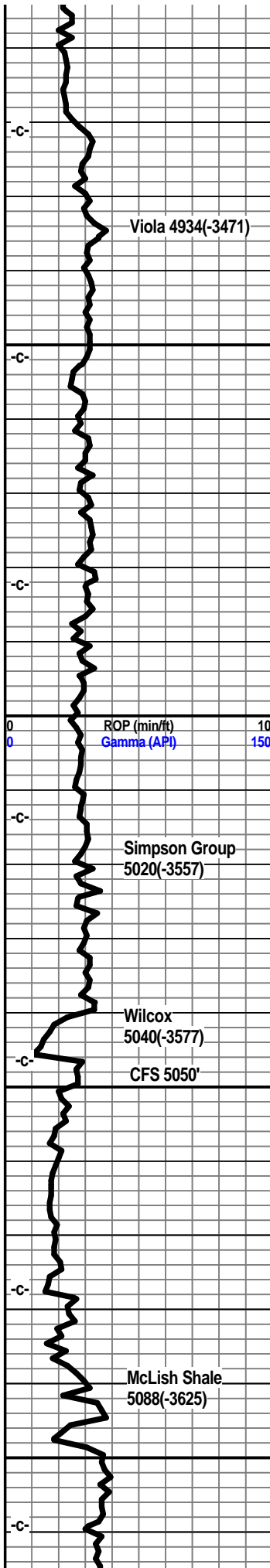
Shale, dark grey, pyritic in part.

Shale, dark grey, silty in part, traces of pyrite.

Shale, grey-black, carb.

Shale, grey, grey-black, carb.





Shale, grey-black, carb, some coffe brown silty shale.

Dolo, grey-white, reddish-brown, fnxln, v fn grained, soft, few traces of sand grains on top, no visible shows, no odor, some pyritic shales.

Limestone, tan, off-white, fxln, sl. dolo., fn grained, traces of chert, chalky in part.

Limestone, tan-white, xln, slightly dolo, xln porosity, no visible shows, traces of tan-white chert, chalky.

Limestone, tan-white, fxln, granular texture, traces of tan cherts.

Limestone, tan, xln, grainy, tan cherts, some chalky ls.

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

Limestone, tan, tan-white, xln, tan cherts, some scattered dull fluor., no visible shows, no odor.

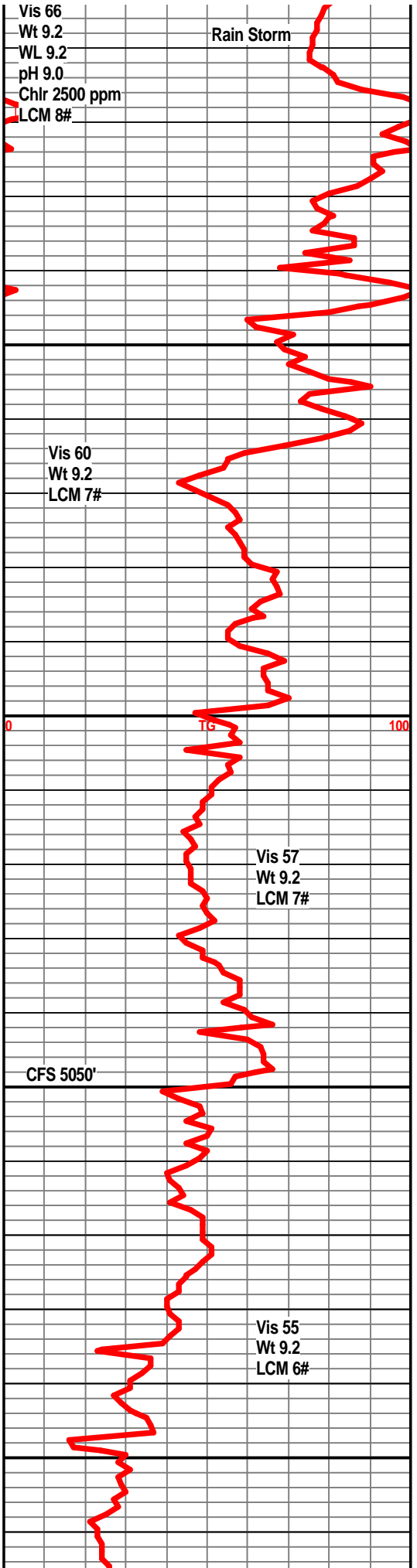
Shale, dark green, firm, waxey, trace of pyrite.

Sandstone, clear to white, SA to SR, well sorted, slightly dolo in part, friable in part, no visible shows, no odor. no fluor, possible 5 unit increase in background.

Sandstone, clear to white, SA to SR, medium to fine grained, friable, some shale inclusions, pyrite, no visible shows.

Sandsrone, mostly white, frosted, some clear qtz grains, friable, glauc, pyrite, fair sorting. no visible shows.

Shale, green, pale green, firm, trace of pyrite, some interbedded sst stringers.



Shale, green, waxey, firm

Shale, dark green to green, firm.



Vis 57
Wt 9.2
LCM 7#

RTD 5130'

LTD 5131'

Survey 1/2 degree

May 12, 2011
5130' @ 7:00 am
Logging

RTD 5130'

LTD 5131'

5150

00

