



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Forester F-1
Location: NW NW NW
License Number: API: 15-007-23759-00-00
Spud Date: September 3, 2011
Surface Coordinates: 330' FNL, 330' FWL Section 26-Twp 33 South - Rge 11 West
Roundup South Pool
Bottom Hole Coordinates: Vertical Hole
Ground Elevation (ft): 1464
Logged Interval (ft): 4000 To: 5045
Formation: McLish Shale
Type of Drilling Fluid: Chemical Mud, Displace at 3390'
K.B. Elevation (ft): 1473
Total Depth (ft): 5045
Region: Barber County, Kansas
Drilling Completed: September 11, 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
STARK SHALE	4299(-2826)	4293(-2820)
HUSHPUCKNEY SHALE	4328(-2855)	4323(-2850)
B/KC	4384(-2911)	4379(-2906)
PAWNEE	4467(-2994)	4465(-2992)
MISSISSIPPIAN	4524(-3051)	4520(-3047)
KINDERHOOK SHALE	4733(-3260)	4734(-3261)
WOODFORD SHALE	4817(-3344)	4813(-3340)
VIOLA	4857(-3384)	4853(-3380)
SIMPSON GROUP	4948(-3475)	4946(-3473)
SIMPSON WILCOX	4974(-3501)	4974(-3501)
MCLISH SHALE	5006(-3533)	5002(-3529)
RTD	5045(-3572)	
LTD		5045(-3572)

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 221' with 240 sxs Class A, 2% gel, 3% cc, plug down at 9:30 pm on September 3, 2011. Cement did Circulate.

Production Casing: 5 1/2" Ran.

Deviation Surveys: 225' 1/4, 1197' 1/4, 1700' 3/4, 2203' 1/2, 2705 1/4, 3208' 1/2, 3802' 1/4, 3895' 3/4, 4020' 3/4 degree, 4115' 1/4, 4548' 1, 5045' 1.

Contractor Bit Record: 1- 14 3/4" out at 225'.

2- 7 7/8" out at 4548'.

3 -7 7/8" out at 5045'.

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: One DST by Superior Testers Enterprises, LLC

Logged by Superior Well Services

LTD 5045'.

DSTs

DST #1 4485 to 4548'

Times 30-60-60-120

1st Opening - Strong Blow, BOB 11 Minutes

2nd Opening - Strong Blow, BOB 1 Minute

Recovery, 90' Drilling Mud

IFP 75 to 80# FFP 78 to 95#


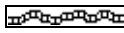
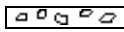
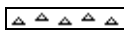
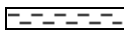








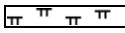

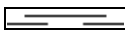







ISIP 336# FSIP 335#

IHP 2293# FHP 2268#















































































CREWS









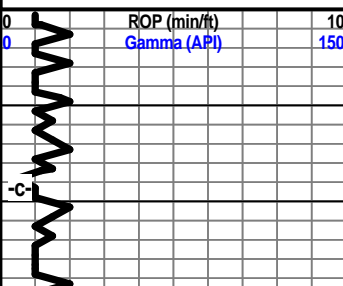
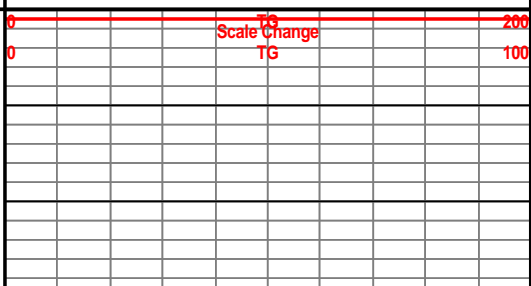
H2 Drilling Rig #3
 Tool Pusher - Randy Smith
 Drillers - Gary Axtell
 Luis Marquez
 Cesar Regalado
 Cain Charles

ROCK TYPES

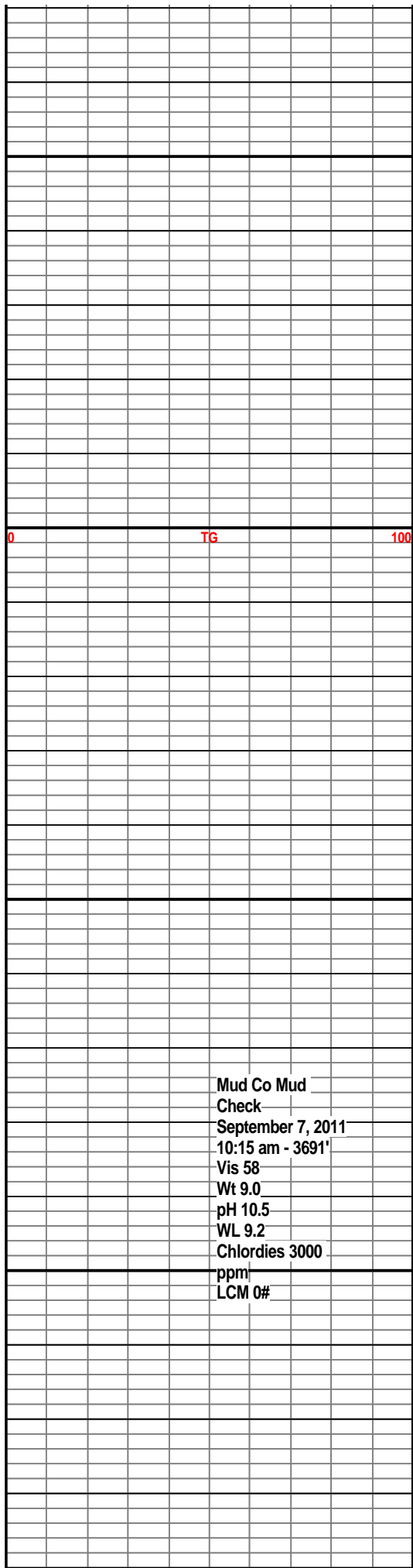
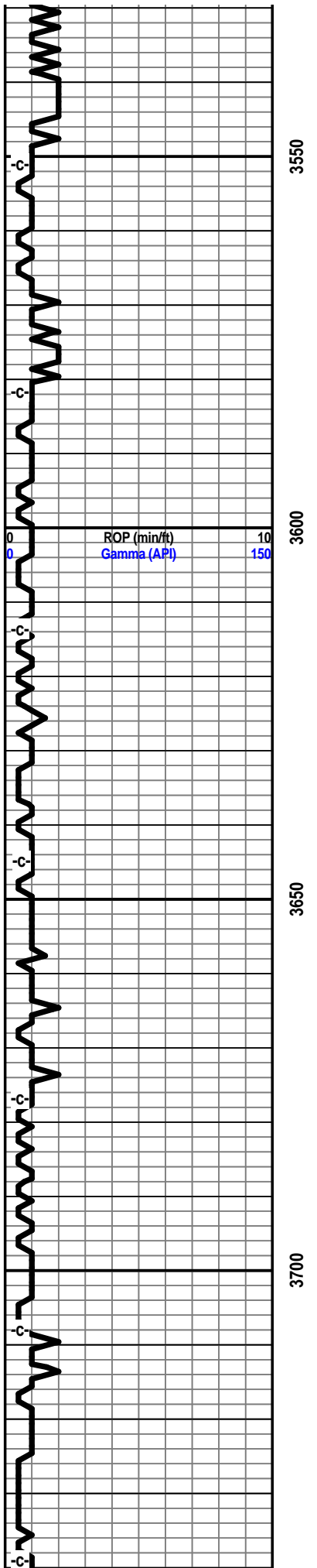
 Anhy  Bent  Brec  Cht  Clyst  Coal	 Congl  Sdy dolo  Shy dolo  Dol  Gyp  Sdy lmst	 Lmst  Mrlst  Salt  Shale  Sltst  Ss	 Black sh  Gry sh  Shale  Shyslstst  Sltysh
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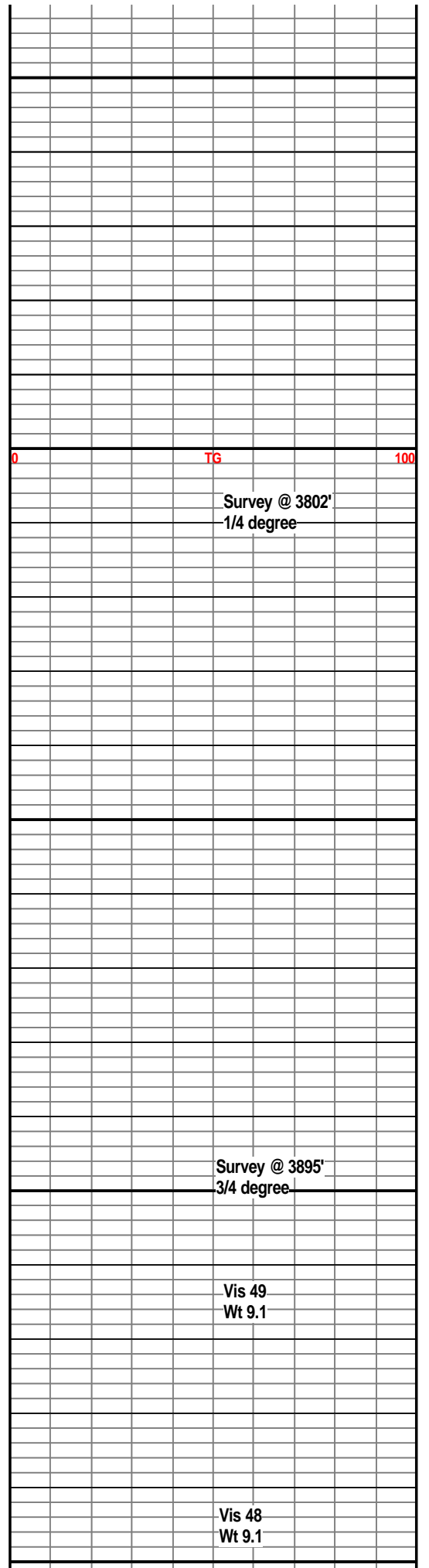
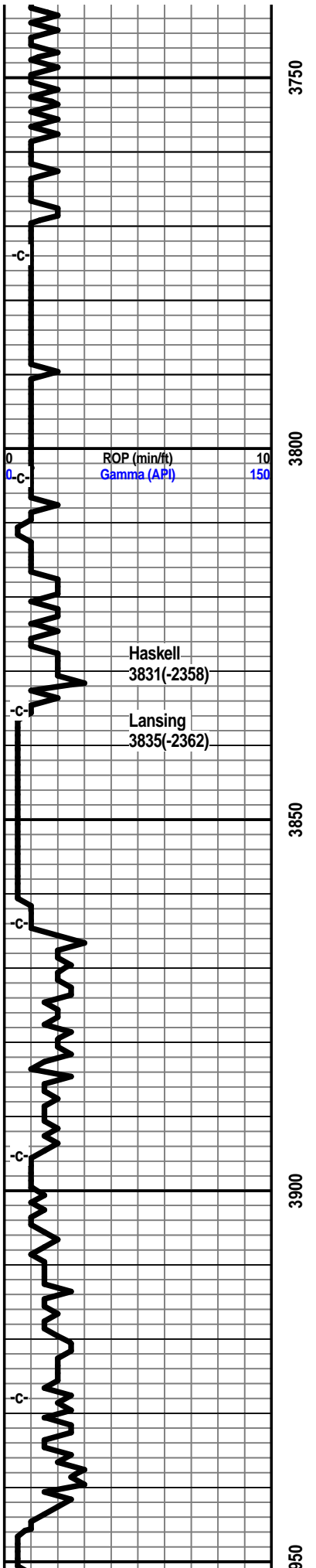
ACCESSORIES

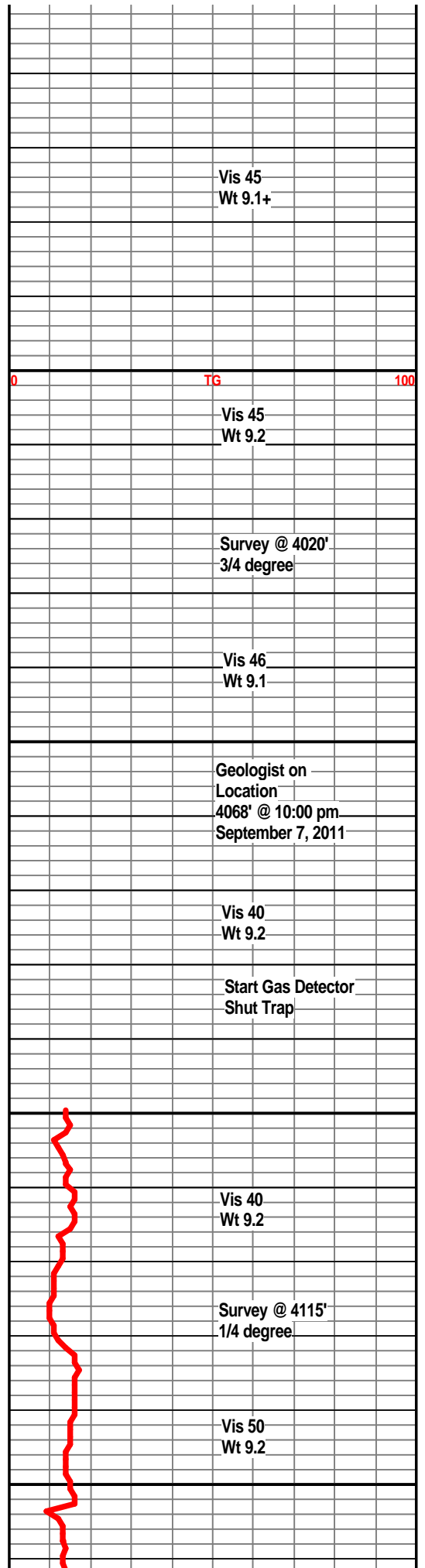
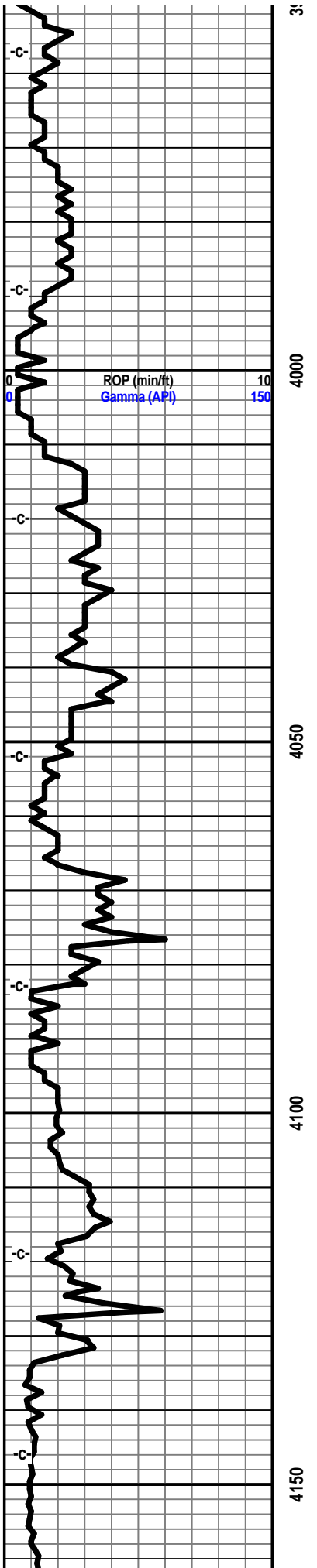
MINERAL  Anhy  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Ferrpel  Ferr  Glau  Gyp  Marl  Nodule  Phos  Pyr  Salt  Sandy  Silt	 Chlorite  Dol  Sand  Sltly FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite  Ostra	 Pelec  Pellet  Pisolite  Plant  Strom  Fuss  Oomoldic STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst  Sltstrg  Ssstrg  Carbsh  Clystn  Dol	 Grysh  Gryslt  Lms  Sandylms  Sh  Sltstn TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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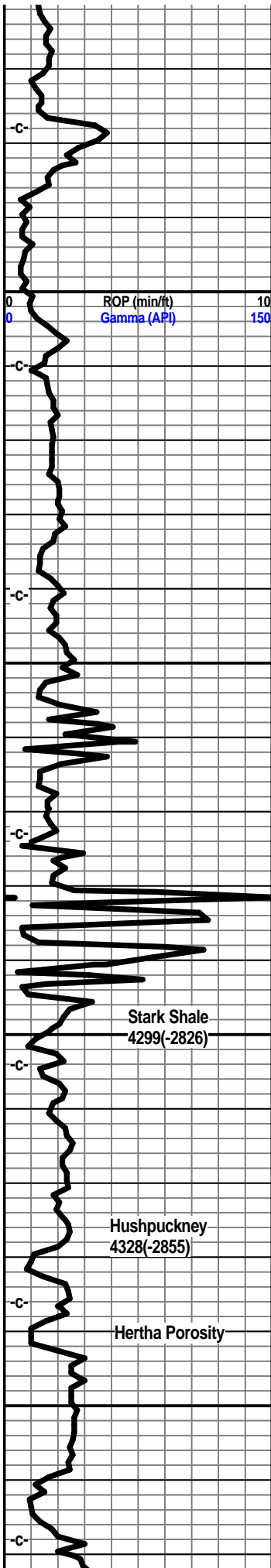
Curve Track 1	Depth	Lithology	Geological Descriptions	TG, C1-C5
ROP (min/ft)  Gamma (API) 				TG (units)  C1 (units)  C2 (units)  C3 (units)  C4 (units)  C5 (units) 
	35		Drilling Progress September 3, 2011 MIRT September 4, 2011 291' @ 7:00 am September 5, 2011 1880' @ 7:00 am September 6, 2011 2768' @ 7:00 am September 7, 2011 3551' @ 7:00 am September 8, 2011 4285' @ 7:00 am	

September 8, 2011 4285' @ 7:00 am
September 9, 2011 4548' @ 7:00 am
September 10, 2011 4730' @ 7:00 am
September 11, 2011 5045' @ 7:00 am







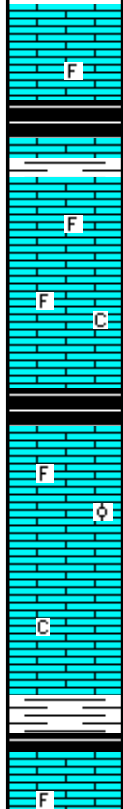


4200

4250

4300

4350



Limestone, buff, tan, grey, fxln, slightly foss.

Shale, grey, black, carb.

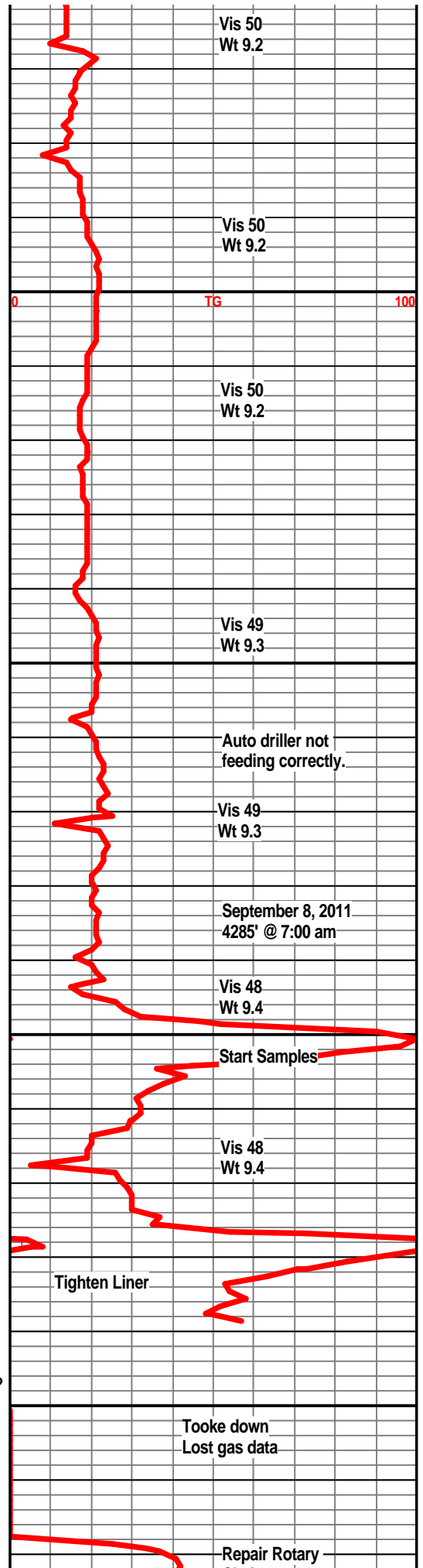
Limestone, cream-white, grey, fxln, dense, trace of fossils, slightly chalky in part.

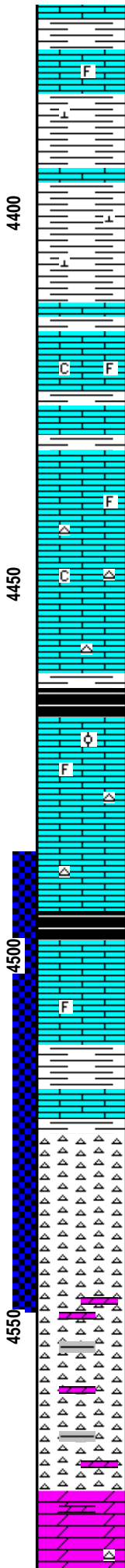
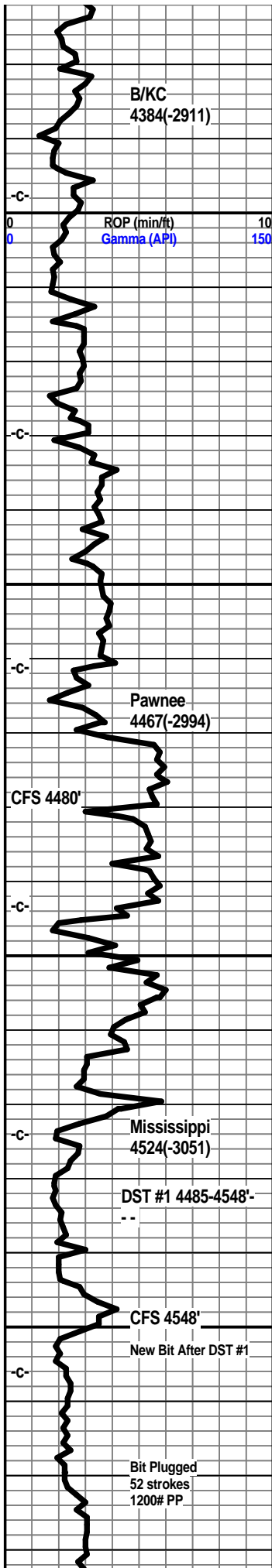
Shale, grey-black, carb.

Limestone, buff, grey-white, xln, foss. in part, trace xln porosity, few scattered vugs, trace oolites, no odor, no fluor, possible gas kick???

Shale, grey, some grey-black, slightly carb.

Limestone, grey-white, xln, dense, foss, chalky in part





Shale, light grey, soft.

Limestone, grey-white, xln, chalky, trace of fossils.

Shale, grey-green, calcitic.

Shale, grey-green, calcitic, few grey lime streaks.

Limestone, grey, tan-brown, some fossils, chalky and shaley in part.

Shale, grey.

Limestone, cream, buff-white, fxln, dense, trace fossils, some tan cherts, slightly subchalky.

Limestone, buff, tan-white, fxln, dense, slightly foss, traces of chert.

Shale, grey-black, carb.

Limestone, cream, tan, fxln, oolitic in part, traces of xln & pin point porosity, dull min fluor, no visible shows of oil, questionable gas bubbles, no odor.

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

Limestone, buf, tan, xln, fossils, some oolites, traces of tan chert.

Shale, grey-black, carb.

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

Shale, grey, dark grey.

Limestone, cream, buff, fxln, dense, trace chalky, trace sand.

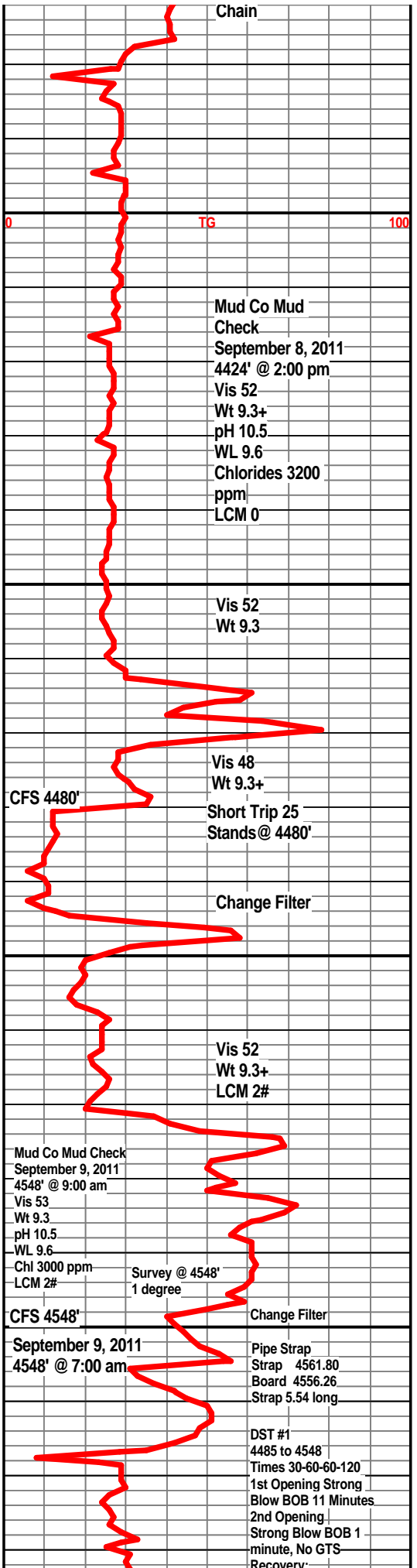
Chert, white to off-white, some translucent, weathered in part, some light brown staining, poor odor, small pp porosity, dull fluor.

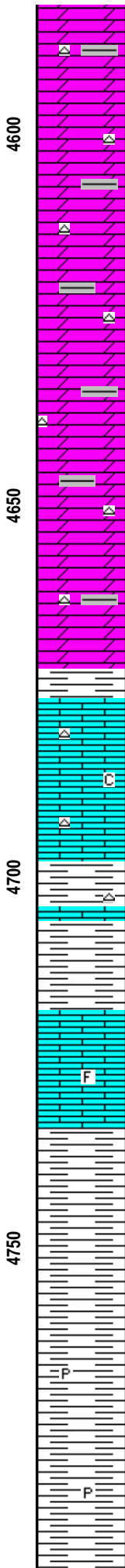
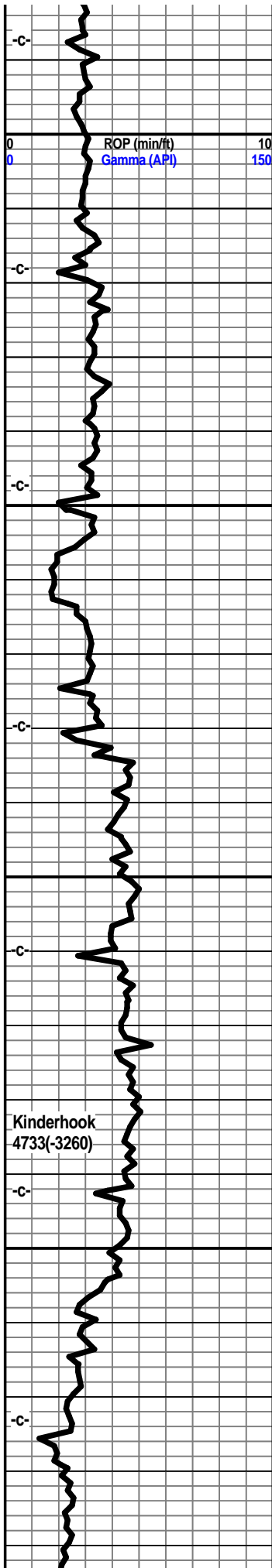
30 min- Chert, off-white, some tan, translucent, sharp, some weathered, trace pp porosity, scattered light brown staining, trace show oil under UV light, p-f odor, dull fluor.

60 min- Chert, off-white, tan, translucent, some sharp, scattered pp porosity, fair odor, slight show of oil, most under UV light, scattered light staining, dull scattered fluor.

Chert, white, grey-white, dolo in part, some light grey-green shale stringers, light scattered staining, p-f odor, dull fluor, some scattered pp porosity, questionable light show oil.

Dolo, light grey-white, xln, dense, traces of weathered cherts, some scattered light





staining, p odor, dull fluor, some grey-green shales.

Dolo, light grey-white, xln, granular, dense, traces of weathered cherts, slight scattered staining, faint to poor odor, grey-green splintery shales, dull fluor.

Dolo, light grey, xln, dense, traces of sharp cherts, shaley in part.

Dolo, grey to light grey, xln, granular, dense, cherty in part, grey green shales.

Dolo, grey to grey-white, xln, dense, cherty, grey-green shales.

Dolo, grey-white to grey, xln, dense, cherty, increasing shales.

Dolo, grey-white, dense, xln, cherty, shaley.

Shale, pale grey-green.

Limestone, cream-white, xln, dense, traces of chert, slightly foss., chalky in part.

Shale, grey-green.

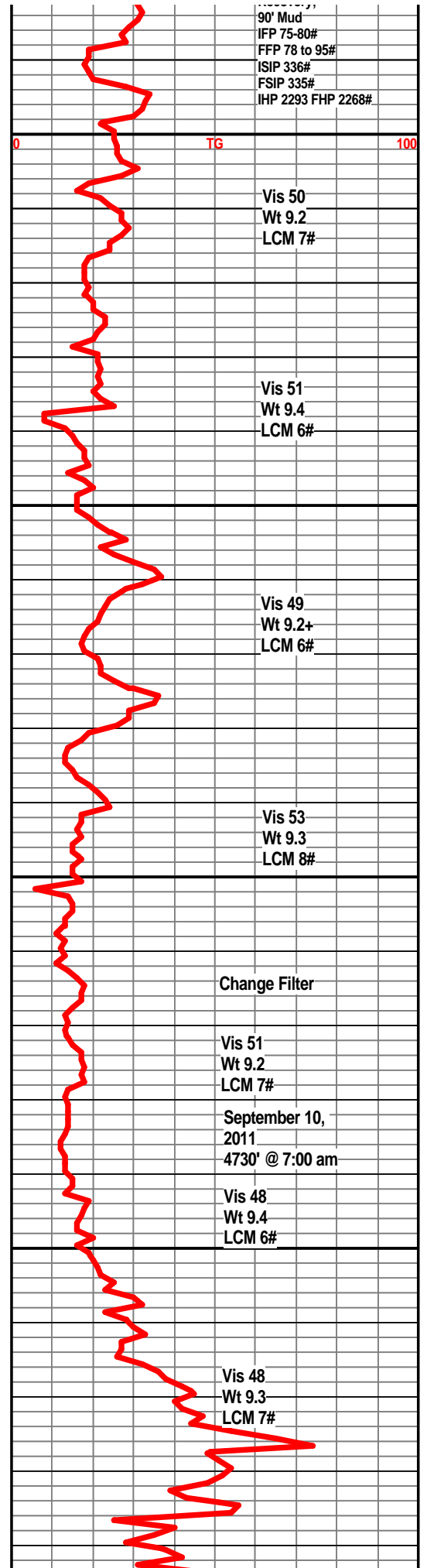
Limestone, buff, cream-white, xln, dense, trace foss.

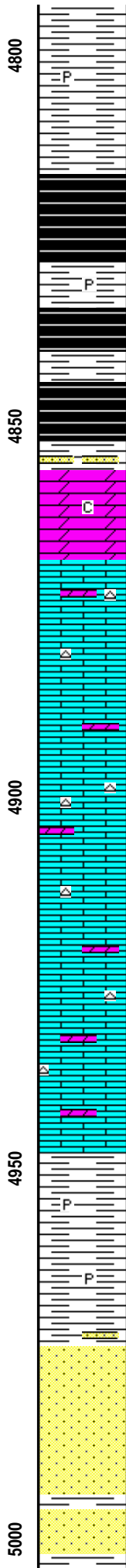
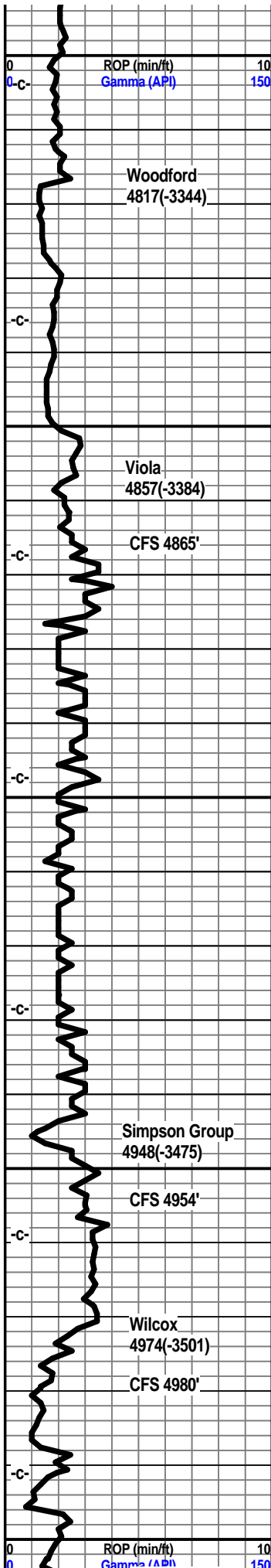
Shale, grey, splintery, silty.

Shale, dark grey, silty.

Shale, dark grey, splintery, silty. trace pyrite.

Shale, dark grey, slightly carb.





Shale, dark grey.

Shale, grey-black, dark brown, carb.

Shale, grey-black, coffee brown, carb

Shale, grey-black, coffee brown,

Shale, dark grey, some grey fn grained sand clusters interbedded, well cemented, traces of pyrite, no visible shows, no odor, no fluor.

Dolo, grey-white, xln, fn grained, granular, chalky in part, trace of xln porosity, no odor, no visible shows.

Limestone, cream, buff, light grey, xln, dense in part, dolo in part, trace xln porosity, trace white chert, no visible shows.

Limestone, buff, tan, xln, dense, tan cherts, trace chalk, no visible shows.

Limestone, grey, tan, buff, xln dense, tan sharp cherts, dolo in part, no shows.

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

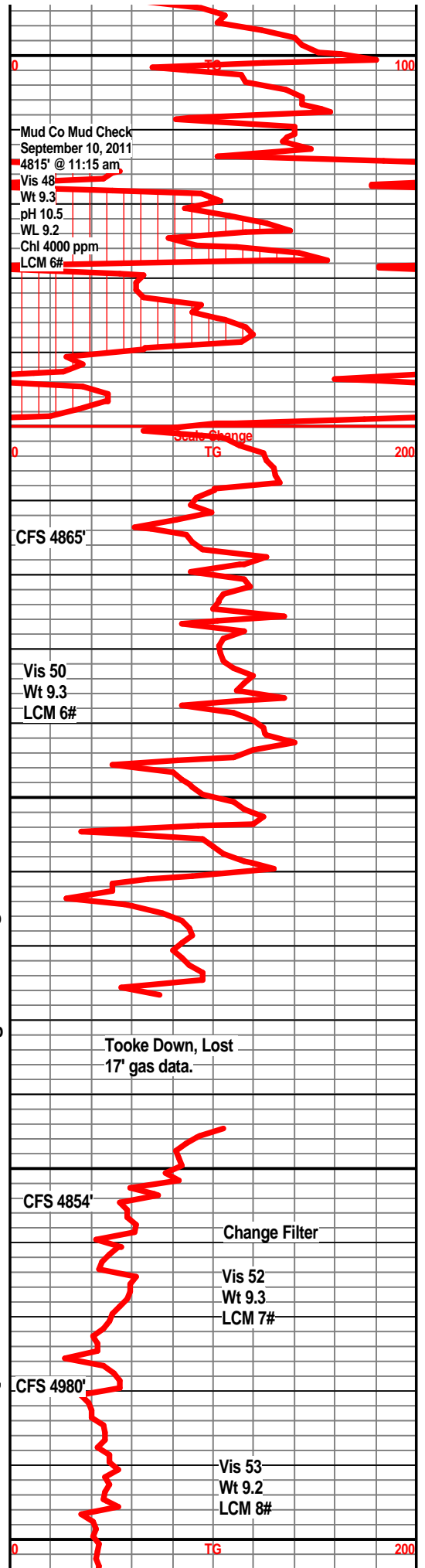
Limestone, tan, buff-white, xln, traces of xln porosity, dolo in part, no odor, no visible shows, very dull fluor.

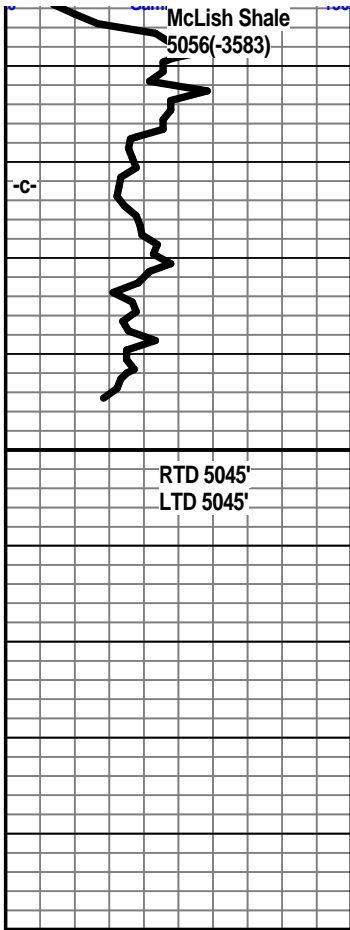
Shale, green, firm, trace pyrite.

Shale, a/a, some interbedded sand grains.

Sandstone, grey-white to frosted, some tan, sa, fair sorting, well cemented at top, friable in part, no visible shows, no odor.

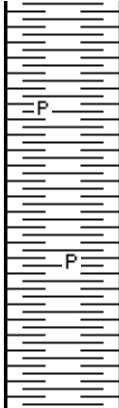
Sandstone, clear to grey-white, well sorted, sa, friable, gluac, no visible shows, no odor.





5050

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Shale, dark green, firm, traces of pyrite.

Shale, dark green to green, firm.

