



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Spicer G.U. C-3
Location: Apx SE SE SW
License Number: API: 15-007-23708-00-00
Spud Date: May 23, 2011
Surface Coordinates: 500' FSL & 2240 FWL Section 28-Twp 33 South - Rge 10 West
Spicer Field
Bottom Hole Vertical Hole
Coordinates:
Ground Elevation (ft): 1430 K.B. Elevation (ft): 1439
Logged Interval (ft): 4000 To: RTD Total Depth (ft): 5100
Formation: McLish Shale
Type of Drilling Fluid: Chemical Mud, Displace at 3389'
Region: Barber County, Kansas
Drilling Completed: June 1, 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	4314(-2875)	4309(-2870)
B/KC	4365(-2926)	4364(-2925)
PAWNEE	4457(-3018)	4454(-3015)
CHEROKEE GROUP	4508(-3069)	4508(-3069)
MISSISSIPPIAN	4548(-3109)	4548(-3109)
KINDERHOOK SHALE	4781(-3342)	4778(-3339)
WOODFORD SHALE	4852(-3413)	4849(-3410)
VIOLA	4878(-3439)	4875(-3436)
SIMPSON GROUP	4985(-3546)	4984(-3545)
SIMPSON SAND	5002(-3563)	4998(-3559)
MCLISH SHALE	5066(-3627)	5063(-3624)
RTD	5100(-3661)	
LTD		5096(-3657)

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 211' with 240 sxs Class A, 2% gel, 3% cc, plug down at 12:15 am on May 24, 2011. Cement did Circulate.

Production Casing: Ran 5 1/2" Casing.

Deviation Surveys: 3/4- 215', 1 - 1198', 1/4 - 1730', 1-2229', 1- 2758', 1-3263', 1/2- 3767', 1 1/2-3924', 1 1/4 - 4050' 1 -4144', 1- 4595', 1 1/2 - 5100'.

Contractor Bit Record:

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

2- 7 7/8" out at 4595'.

3- 7 7/8" out at 5100'

Gas Detector: Woolsey Operating Company, Trailer #2

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

DSTs: One by Superior Testers

Logged by Superior Well Services.

LTD - 5096'.

DSTs

DST #1 - Mississippi 4474 to 4595', Times 30-60-60-120

1st opening -Strong blow, BOB 2 1/2 minutes, blow back.

2nd opening - Strong blow BOB less than 1 minute, GTS 2 minutes, See Gas Gauge.

Gas Gauge - 10 minutes 24.96 mcfpd

20 minutes 28.33 mcfpd

30 minutes 28.33 mcfpd

40 minutes 34.40 mcfpd

50 minutes 34.40 mcfpd

Fluid Recovery: 375' Total Fluid

135' Gassy Mud (20% gas, 80% Mud)

120' Oil Cut Watery Mud (15% oil, 70% Mud, 15% Water)

120' Slightly Gassy Oil Cut Muddy Water(10% Gas, 10% Oil, 50% Mud, 30% Water) Chlorides 28,000 ppm

IHP 2336 FHP 2182

IFP 192-280 (plugging) FFP 293-237 (plugging, cleaned up halfway through)

ISIP 1082 FSIP 1073

CREWS

H2 Drilling Rig #3


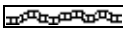
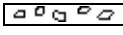
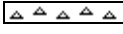
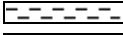

Tool Pusher - Randy Smith







Drillers - Gary Axtell


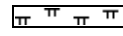

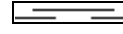


Luis Marquez





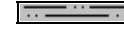
Cain Charles

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal






















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 Lmst
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


ACCESSORIES








MINERAL

 Anhy
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 Bent
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 Brecfrag
 Calc
 Carb
 Chtdk
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 Gyp
 Marl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt














 Chlorite
 Dol
 Sand
 Silty

FOSSIL

 Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram
 Fossil
 Gastro
 Oolite
 Ostra



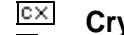








 Pelec
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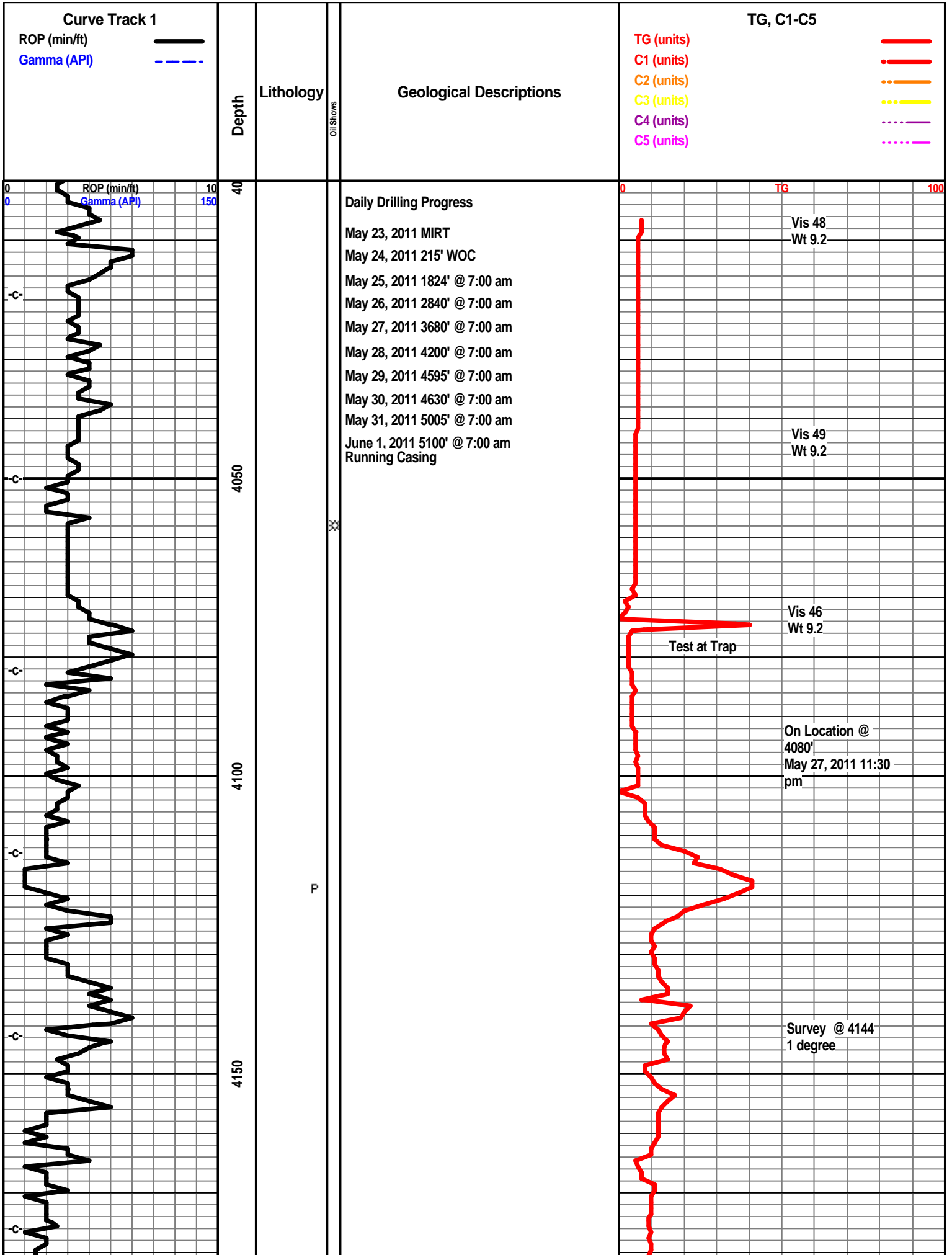
STRINGER

 Anhy
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 Coal
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 Sltstrg
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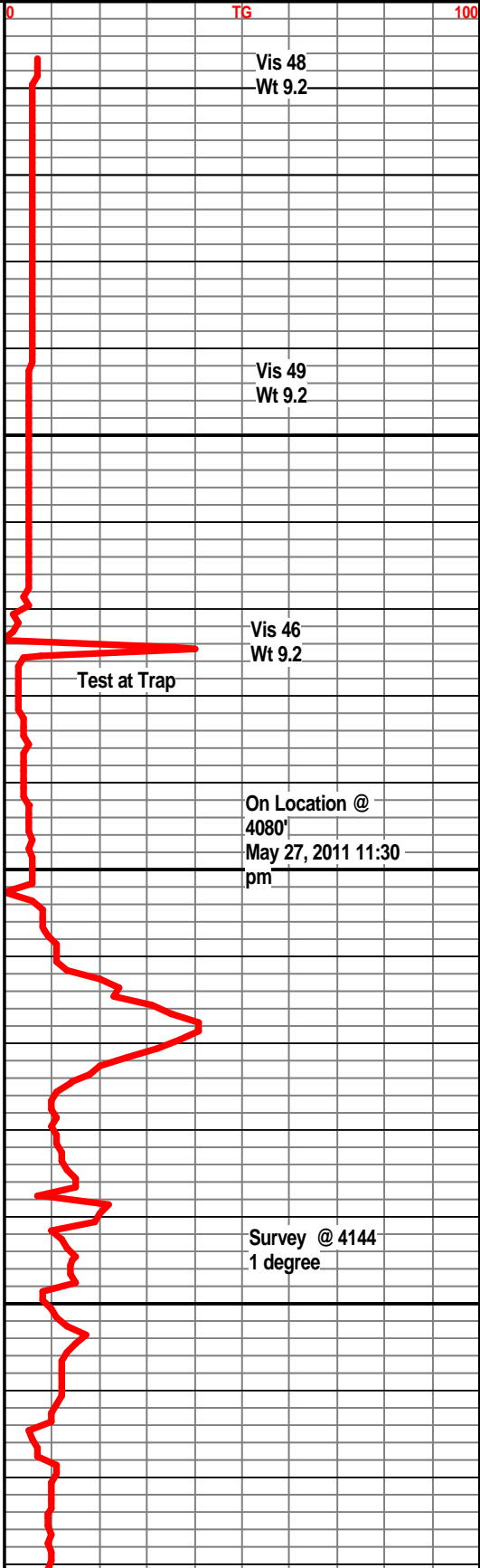
TEXTURE

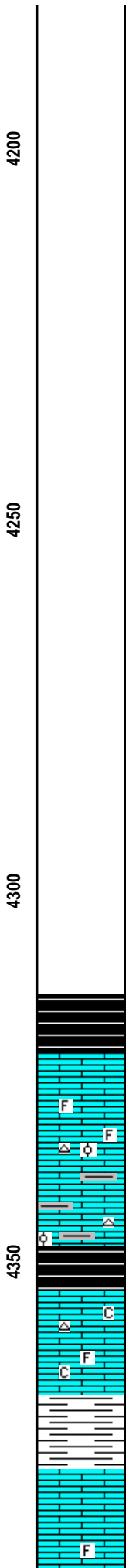
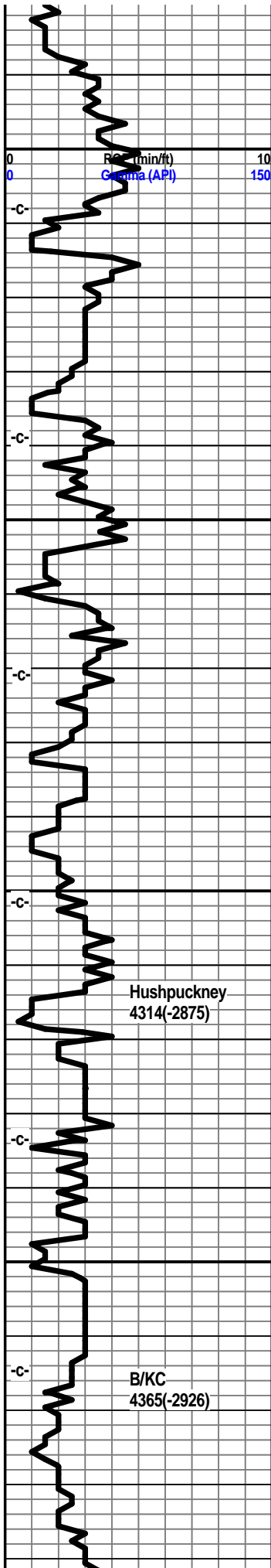
 Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackst



Daily Drilling Progress

May 23, 2011 MIRT
 May 24, 2011 215' WOC
 May 25, 2011 1824' @ 7:00 am
 May 26, 2011 2840' @ 7:00 am
 May 27, 2011 3680' @ 7:00 am
 May 28, 2011 4200' @ 7:00 am
 May 29, 2011 4595' @ 7:00 am
 May 30, 2011 4630' @ 7:00 am
 May 31, 2011 5005' @ 7:00 am
 June 1, 2011 5100' @ 7:00 am
 Running Casing





Shale, grey-black, carb.

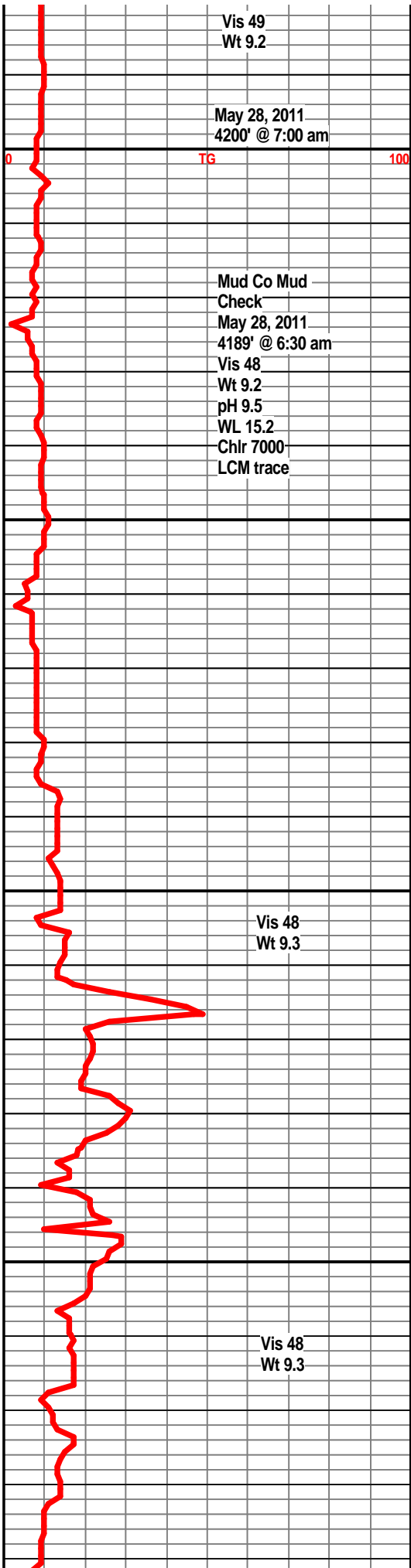
Limestone, cream, tan-brwon, xln, subchalky, foss fragments, slightly oolitic, no visible shows.

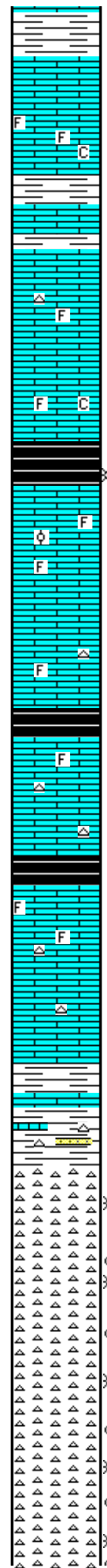
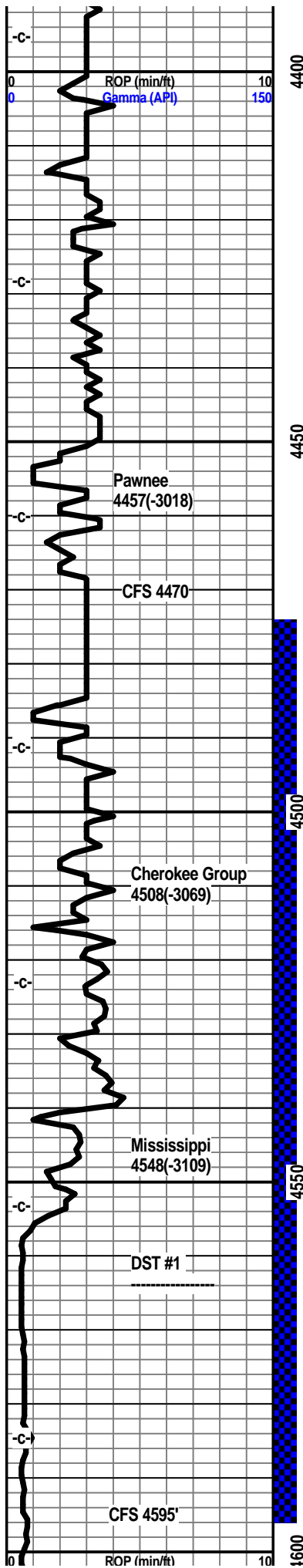
Shale, grey-black, slightly carb.

Limestone, tan, grey-white, xln, dense, some tan cherts, slight foss., trace chalky.

Shale, light grey, silty.

Limestone, tan, light grey, xln, trace foss.





Shale, grey, light grey.

Limestone, tan, cream-white, xln, dense, slightly foss, subchalky in part.

Shale, light grey.

Limestone, cream-tan, brown, xln, dense, foss in part, traces of tan chert, chalky.

Shale, grey-black, carb., slight gas show.

Limestone, cream-white, tan, xln, oolitic, trace inter ool porosity, trace of xln porosity, no odor, no visible shows, dull mineral fluor.

Limestone, cream-white, xln, sense, slightly foss., trace chert.

Shale, grey-black, carb.

Limestone, tan-white, tan, xln, dense, trace tan chert.

Shale, grey-black, carb.

Limestone, tan-white, cream, xln, dense, tan cherts, slightly foss.

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

Shale, light grey.

Limestone, cream-white, It gret, xln, some sandy texture, no visible shows.

Shale, It grey-green, some ls stringers, traces of sand, some vari-colored chert.

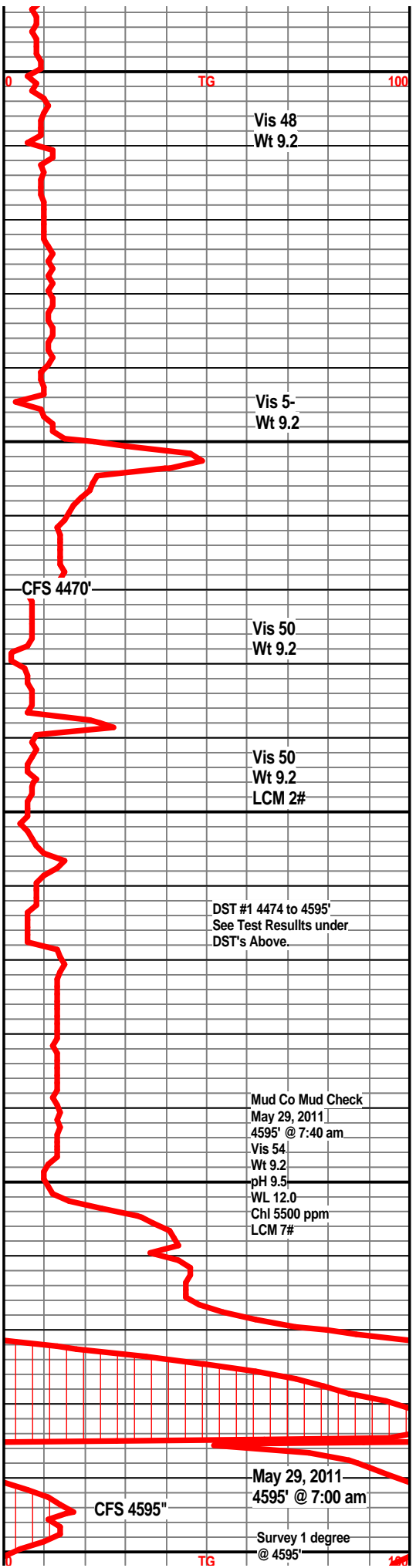
Chert, white to off-white, tan, some tan ls, weathered, pp porosity, some scattered small vugs, light brown staining, faint odor, slight show gas & oil, dull fluor.

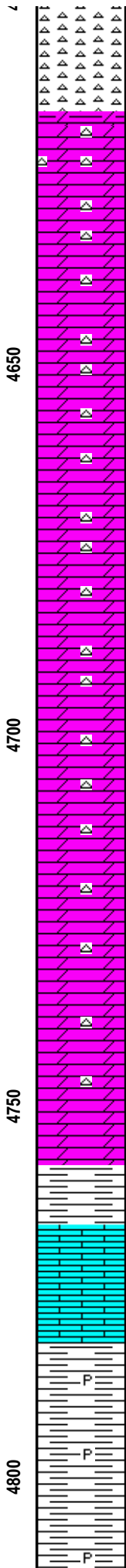
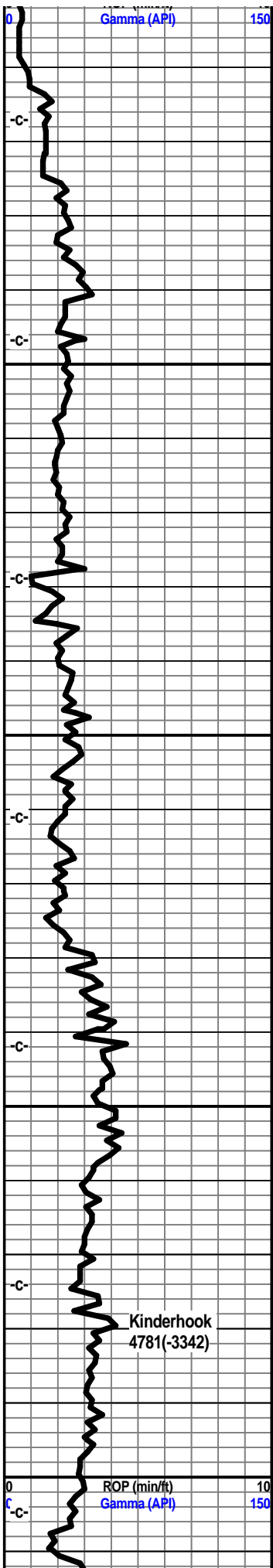
Chert, off-white to tan, weathered, pp to small scattered vug porosity, some sharp, light brown staining, slight show free oil & bleeding gas, faint odor, dull fluor.

Chert, off-white, tan, weathered, pp to small vug porosity, increasing shows of oil and gas, fair odor, dull fluor., some traces of sharp chert with edge staining. good gas indication.

Chert, white to off-white, tan, weathered, pp to small scattered vug porosity, free oil in tray, bleeding oil and gas, fair odor, good even staining, dull fluor.

Chert, white to off-white, weathered, pp to small





Chert, white to off-white, weathered pp to small vug porosity, increasing amounts of fresh sharp cherts, good light brown staining, free oil in tray, show gas & oil bleeding form samples, dull fluor, fair odor.

Dolo, off-white to light grey, xln, granular, sharp bone-white cherts, some green shales. trace light brown stain.

Dolo, off-white, light grey, xln, cherty, grey-green shales, some cherts weathered with slight shows.

Dolo, grey-white, xln, dense, sharp cherts, traces of shale, very faint staining.

Dolo, off-white, grey-white, xln dense, bone white cherts, some green shales.

Dolo, grey-white, white, xln, bone white sharp cherts, dense, grey-green splintery shales.

Dolo, off-white, xln, dense cherts. few shales.

Dolo, grey-white, xln, tan chert, few pieces tan-brown ls,

Dolo, off-white, light grey, xln, off-white sharp chert, traces of grey-green shale.

Dolo, grey-white, off-white, xln, dense, traces grey shale, cherty in part.

Dolo, grey-white, xln, grey-green shales, tan chert.

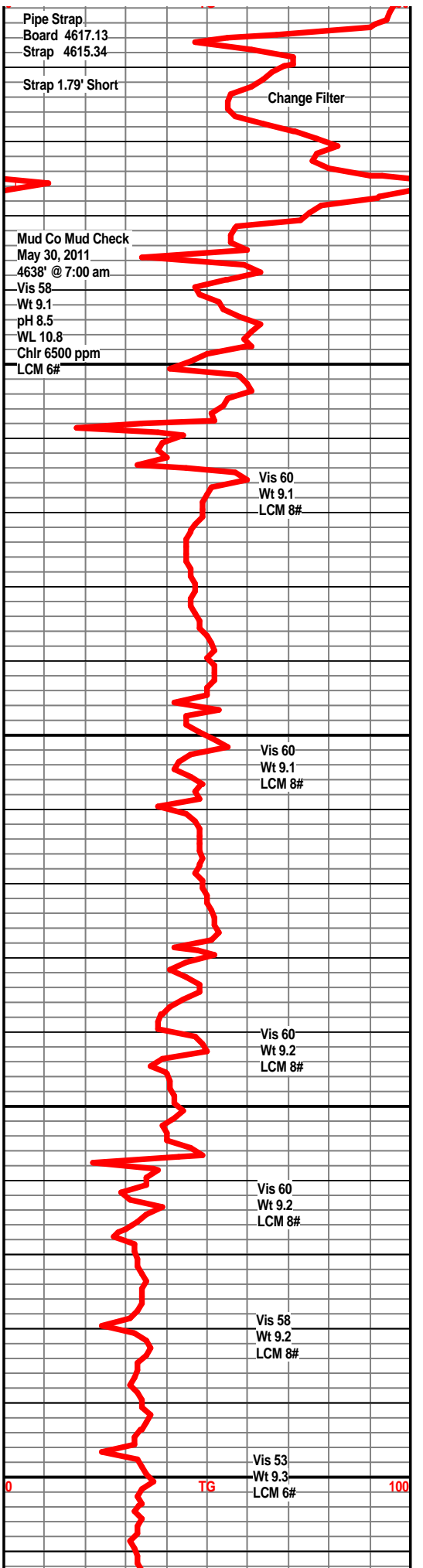
Shale, pale green, calcitic.

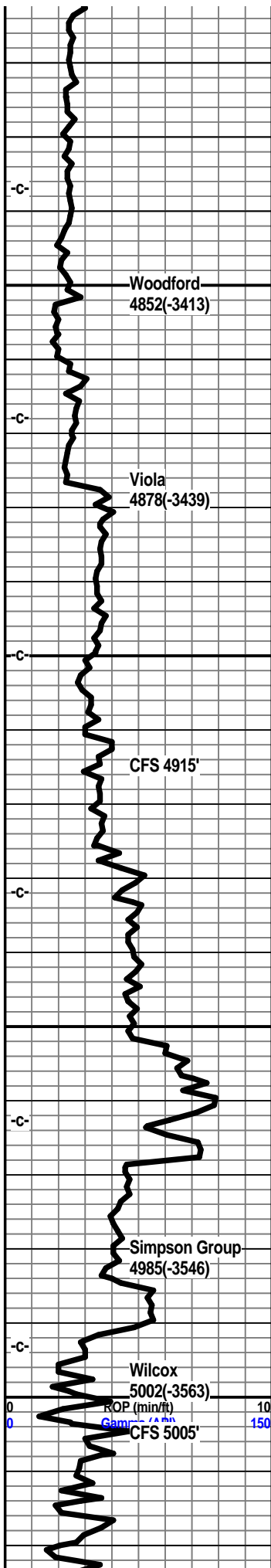
Limestone, cream-white, tan, xln, foss., subchalky in part.

Shale, grey to dark grey, silty.

Shale, light grey, silty, trace of pyrite.

Shale, light grey to dark grey, silty, pyritic in part.





part.

Shale, light grey to grey, silty.

Shale, grey to dark grey, silty.

Shale, grey-black, some coffee brown, show of gas.

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

Dolo, grey-white, xln, soft,

Dolo, grey-white, light grey, xln, soft, trace of chert.

Limestone, cream-white, off-white, xln, traces of xln porosity, trace of white chert, dull min. fluor, no visible shows, no odor

Limestone, white to off-white, xln, trace of xln porosity, white chert, very slight trace of light brown staining, no odor, no visible shows of oil or gas.

Limestone, off-white to tan-white, xln, dense, xln porosity, tan chert, some subchalky ls.

Limestone, tan-white, fn xln, dense, trace dolomitic, tan chert.

Limestone, tan-white, fn xln, dense, subchalky in part, tan sharp chert.

Limestone, tan, fn xln, granular texture, dolomitic in part, tan sharp chert, dense.

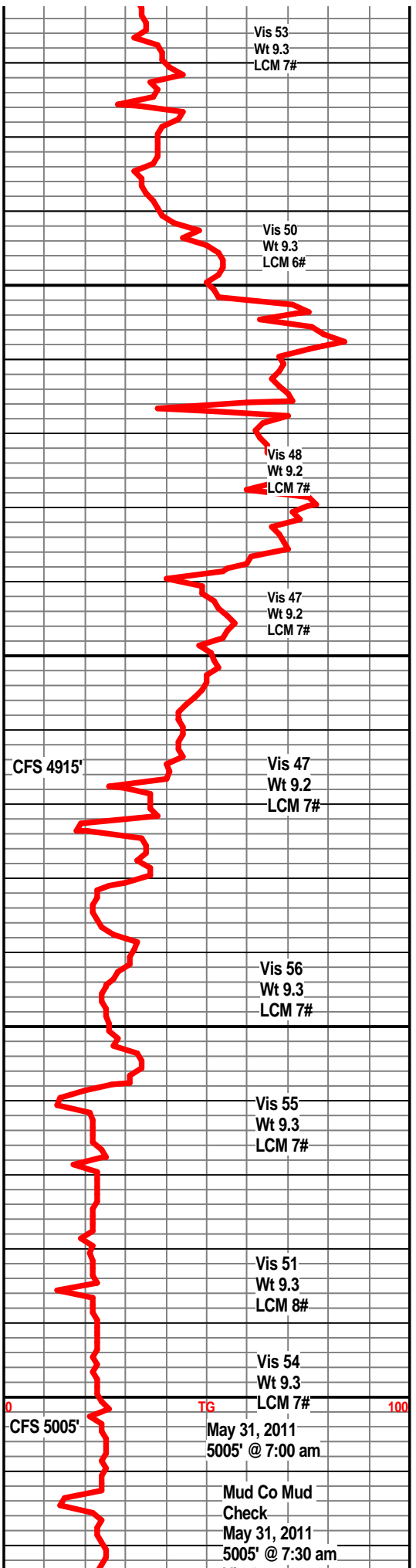
Limestone, tan-white, fn xln, dense, granular, dolomitic, tan specked chert, sharp, dense

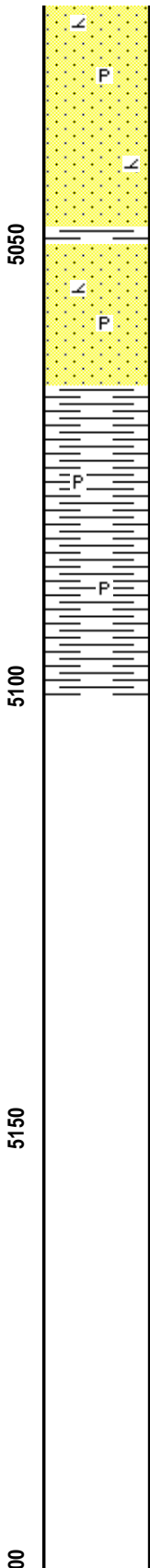
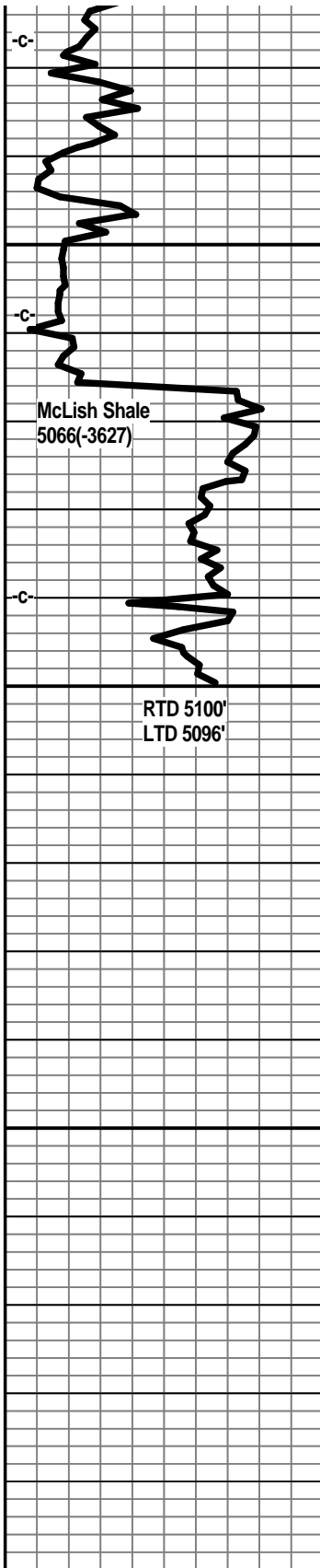
Shale, dark green, firm, pyrite.

Sandstone, clear to white, SR to SA, fair sorting, friable in part, slightly dolo in part, glauc, no visible shows, no odor.

Sandstone, clear to white, fair sorting, SA to SR, friable in part, dolo in part, some interbedded shale stringers, no visible shows, no fluor.

Sandstone, clear to white, SA to SA, friable in part, glauc, gil, dolo in part, slightly pyritic in part, shale inclusions, no visible shows, no odor, no fluor.





Sandstone, clear to brown-white, SA to SR, some well cemented, dolo, gluac, gil, no visible shows.

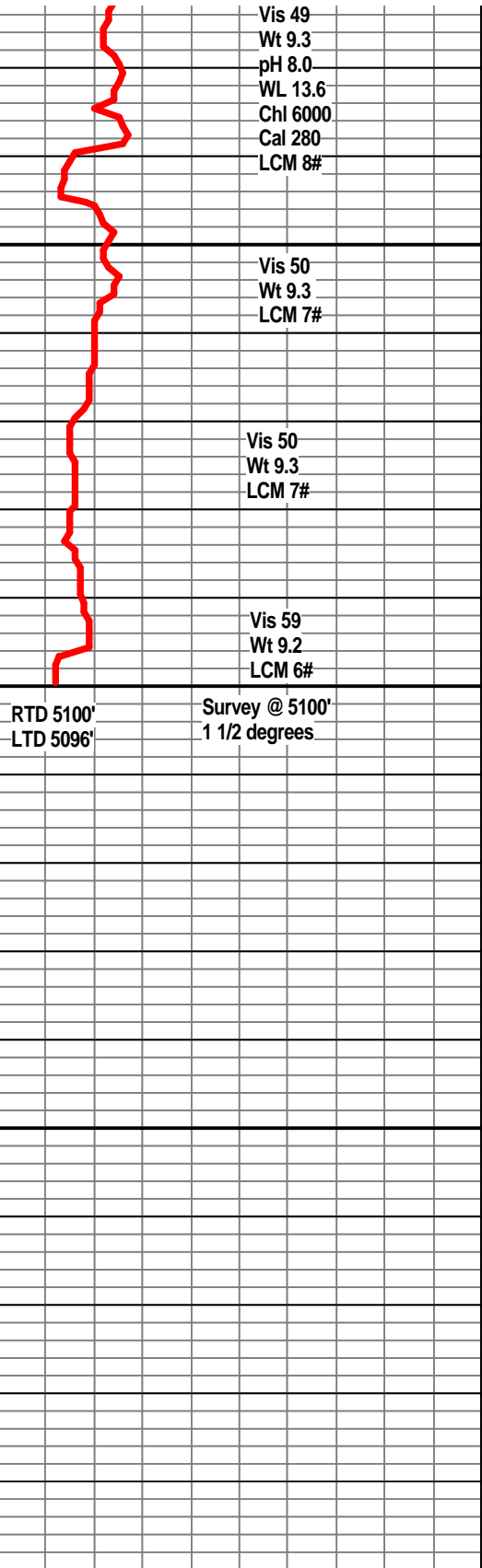
Sandstone, clear to brwn-white, SA to SR, friable in part, dolo. in part, glauc, gil, no visible shows.

Sandstone, clear to white, well sorted, friable in part, some shale inclusions, traces of pyrite, no visible shows.

Shale, dark green, firm.

Shale, dark green, firm, some sand clusters, trace pyrite.

Shale, dark green to green, firm waxey.



Vis 49
Wt 9.3
pH 8.0
WL 13.6
Chl 6000
Cal 280
LCM 8#

Vis 50
Wt 9.3
LCM 7#

Vis 50
Wt 9.3
LCM 7#

Vis 59
Wt 9.2
LCM 6#

RTD 5100'
LTD 5096'

Survey @ 5100'
1 1/2 degrees