



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Myers #1

Location: NW SW NE NE

License Number: API: 15-007-23651-00-00

Spud Date: February 7, 2011

Region: Barber County, Kansas

Drilling Completed: February 19, 2011

Surface Coordinates: 950' FNL, 1130' FEL Section 14-Twp 35 South - Rge 13 West

Hartner Pool

Bottom Hole Coordinates: Vertical Hole

Ground Elevation (ft): 1453

K.B. Elevation (ft): 1462

Logged Interval (ft): 3000 To: 5700' Total Depth (ft): 5700'

Formation: McLish Sand

Type of Drilling Fluid: Chemical Mud, Displace at 3400'

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

	SAMPLE TOPS	FORMATION TOPS	LOG TOPS
KANWAKA	3695(-2233)		3704(-2242)
ELGIN SAND	3708(-2246)		3716(-2254)
HEEBNER	3922(-2460)		3912(-2450)
HASKELL	4178(-2716)		4185(-2723)
QUINDARO	4415(-2953)		4422(-2960)
HUSHPUCKNEY SHALE	4630(-3168)		4640(-3178)
B/KC	4678(-3216)		4687(-3225)
PAWNEE	4775(-3313)		4782(-3320)
CHEROKEE GROUP	4826(-3364)		4834(-3372)
CHEROKEE SAND	4843(-3381)		4850(-3388)
MISSISSIPPIAN	4884(-3422)		4893(-3431)
KINDERHOOK SHALE	5248(-3786)		5258(-3796)
WOODFORD SHALE	5305(-3843)		5318(-3856)
MISNER SAND	5342(-3850)		5355(-3893)
VIOLA	5350(-3888)		5362(-3900)
SIMPSON GROUP	5532(-4070)		5540(-4078)
SIMPSON WILCOX	5547(-4085)		5560(-4098)
MCLISH SHALE	5567(-4105)		5577(-4115)
MCLISH SAND	5651(-4189)		5653(-4191)
RTD	5700(-4238)		
LTD			5712(-4250)

**** Note LTD was 12' deeper than RTD. Most sample tops 7-12' shallow to Log tops***

COMMENTS

Surface Casing: Set 6 joints 10 3/4" at 251' with 240 sxs Class A, 2% gel, 3% cc, plug down at 4:45 am on February 8, 2011. Cement did Circulate.

Production Casing:

Deviation Surveys: 254' 1/2, 1504' 3/4, 2010' 3/4, 2515' 1, 3022' 1, 3592' 3/4, 4003' 1/2, 4508' 1, 4785' 1, 5700' 3/4.

Contractor Bit Record: 1- 14 3/4" out at 254'.

2- 7 7/8" out at 4785'.

3- 7 7/8" out at 5700'.

Gas Detector: Woolsey Operating Company, Trailer #2

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: Superior Testing Services. Inc.

Logged By Superior Well Services.

LTD 5712'

DSTs

DST #1 4790 to 4852' Cherokee Sand, Times 30-60-60-120

1st opening Strong Blow BOB in 8 min., no blow back,

2nd opening, Strong Blow BOB 1 min., no blow back

Recovery: 70' Drilling Mud, No GIP.

IHP 2385# FHP 2343#

IFP 64-82# FFP 68-92#

ISP 992# FSIP 985#

DST #2 4886 to 4910 Mississippian, Times 30-60-60-120

1st Opening, Strong Blow BOB 4 min, No GTS, no blow back.

2nd Opening, Strong blow BOB 1 min, GTS 6 min, 1 inch blow back

Gas Gauge

gauged 4.66 mcf/d at the end of 2nd opening

Recovery: 126' GOCM (5% Gas, 5% Oil, 80% Mud)

120' OCMW(15% Oil 10% Mud, 75% Water)

Chlorides 68,000 ppm

IHP 2434# FHP 2363#

IFP 70-88# FFP 45-115#

ISIP 1718# FSIP 1748#

DST #3 4910 to 4925' Mississippian, Times 30-60-60-120

1st Opening, Strong Blow BOB 3 minutes, no blow back.

2nd Opening, Strong Blow BOB 1 minute, 1 1/2" blow back.

Recovery: 60' MW(80% M, 20% W)

180' W (5% M, 95% W) Chlorides, 110,000 ppm

IHP 2422# FHP 2361#

IFP 59-93# FFP 65-135#

ISIP 1775# FSIP 1791#

CREWS

H2 Drilling Rig #3


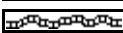
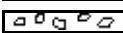



Tool Pusher - Randy Smith







Drillers - Gary Axtell




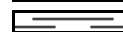


Martin Tinoco






Luis Marquez

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
 Shyslts
 Sltys

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
- Slty

FOSSIL

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

- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomoldic

- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Slstsn

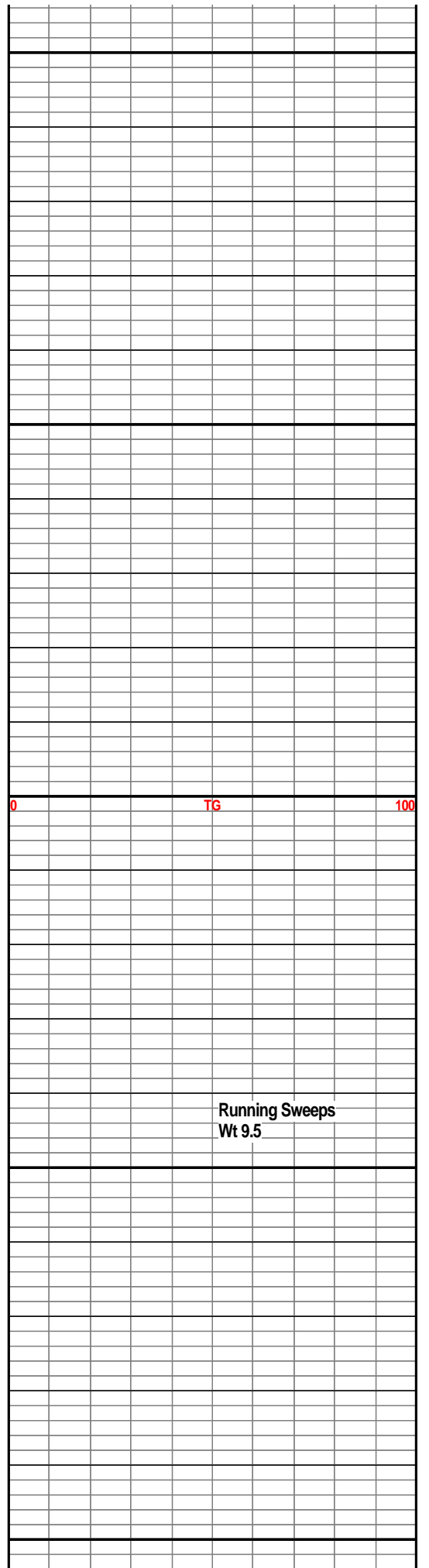
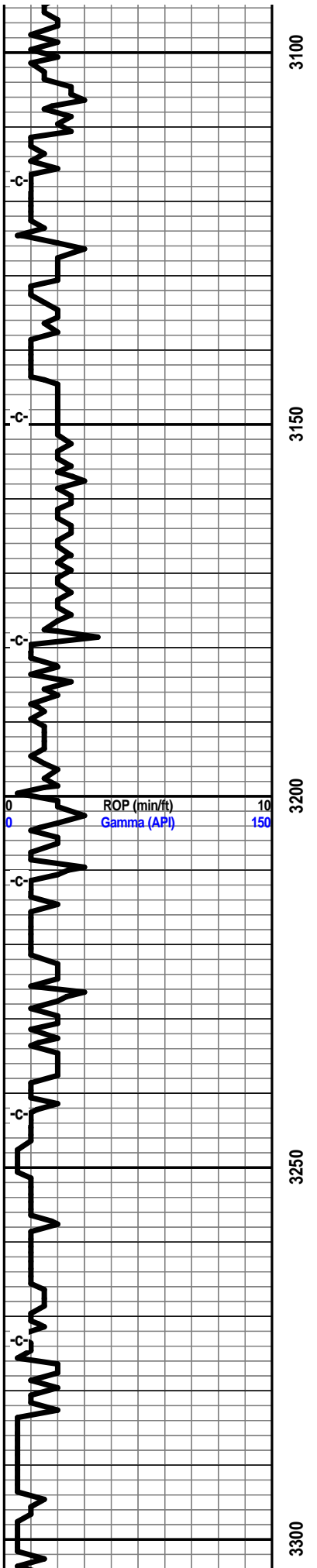
STRINGER

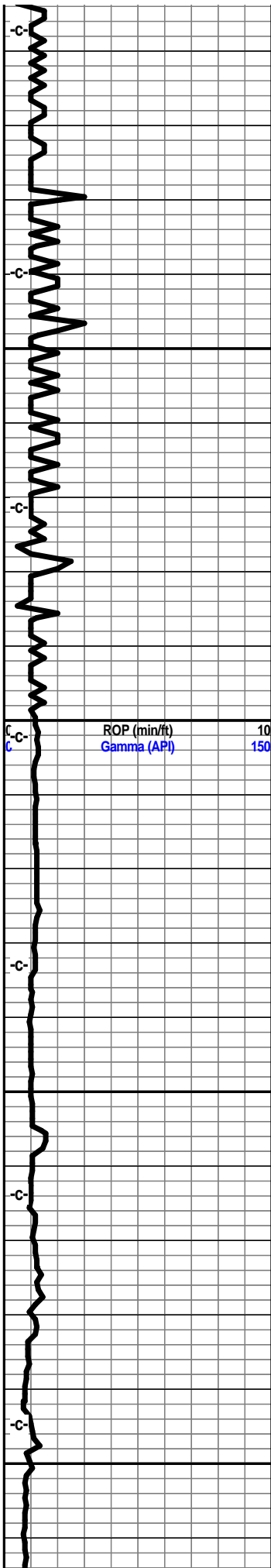
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Slststrg
- Ssstrg
- Carbsh
- Clystn
- Dol

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

Curve Track 1					
ROP (min/ft) Gamma (API)	Depth	Lithology	Geological Descriptions	TG, C1-C5	
	Oil Shows			TG (units) C1 (units) C2 (units) C3 (units) C4 (units) C5 (units)	
	30		Daily Progress February 7, 2011 MIRT February 8, 2011 254' WOC February 9, 2011 1160' @ 7:00 am February 10, 2011 2240' @ 7:00 am February 11, 2011 3031' @ 7:00 am February 12, 2011 4003' @ 7:00 am February 13, 2011 4610' @ 7:00 am February 14, 2011 4852' @ 7:00 am February 15, 2011 4859' @ 7:00 am February 16, 2011 4925' @ 7:00 am February 17, 2011 5060' @ 7:00 am February 18, 2011 5371' @ 7:00 am February 19, 2011 5660' @ 7:00 am February 20, 2011 5700' @ 7:00 am	TG Survey 3022' 1 degree	
	3050				



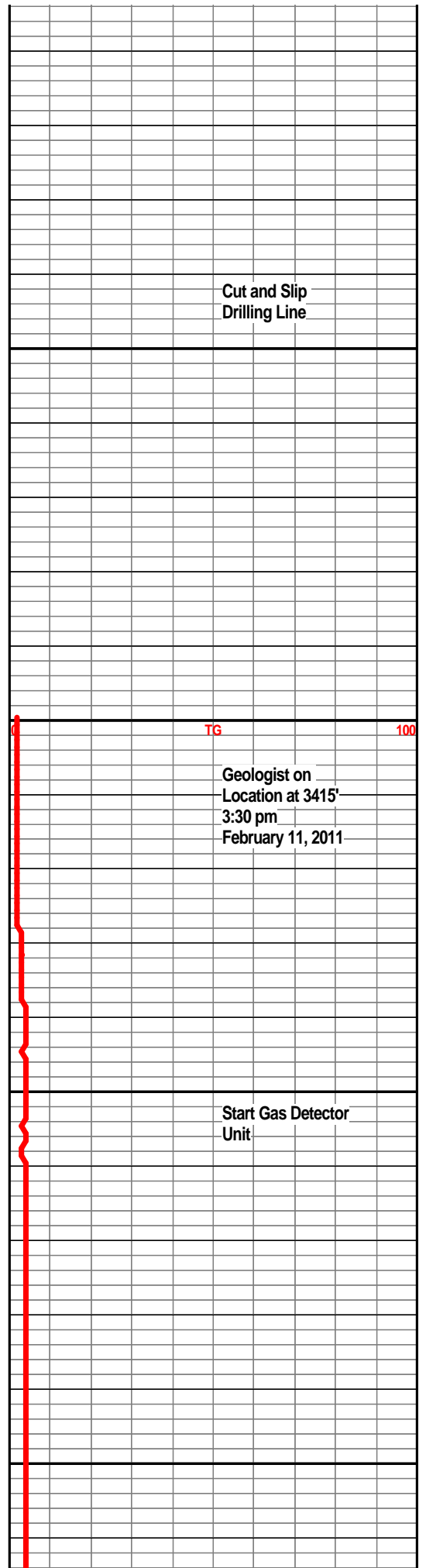


3350

3400

3450

3500

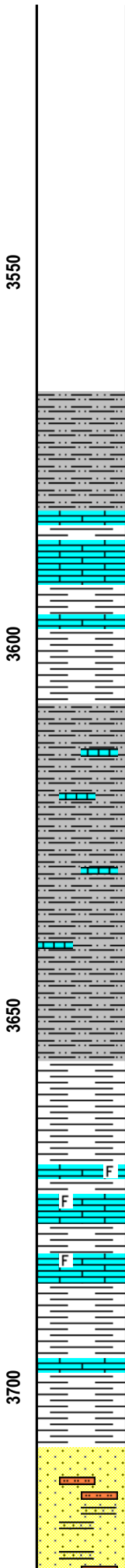
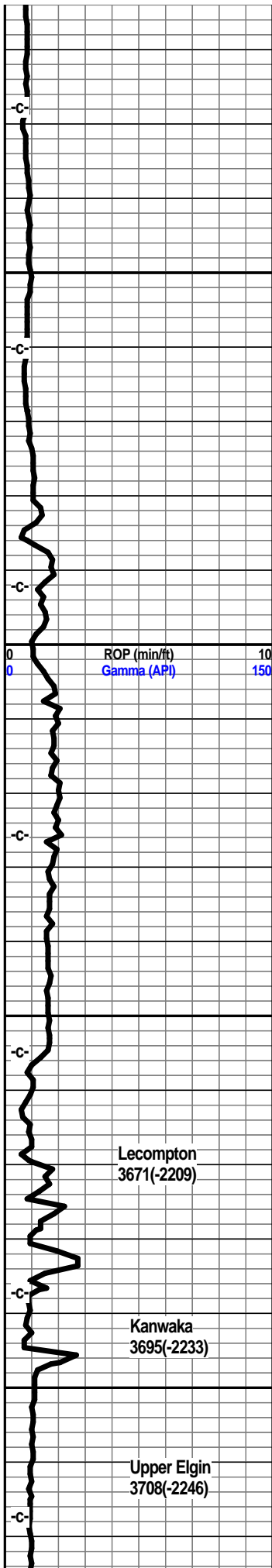


Cut and Slip Drilling Line

TG 100

Geologist on Location at 3415' 3:30 pm February 11, 2011

Start Gas Detector Unit



Shale, Lt grey, silty.

Limestone, grey-tan, vfxln, dense, almost silty in appearance.

Limestone, tan-brown, fxln, dense.

Shale, Lt grey, very silty, calcitic in part.

Shale, Lt grey, silty, calcitic.

Shale, Lt grey.

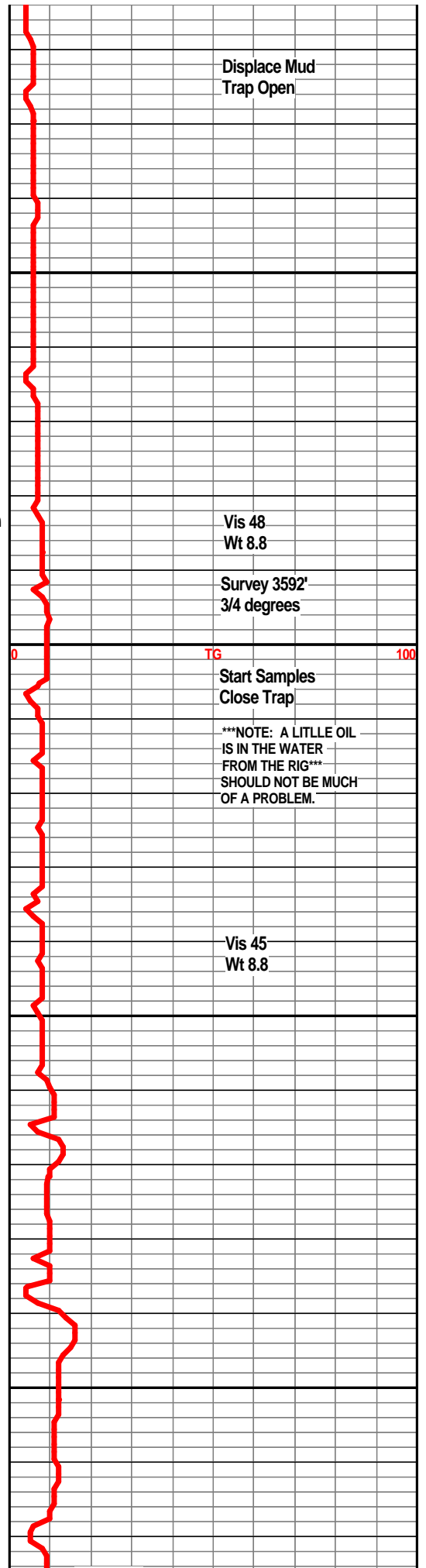
Limestone, tan-brown, fxln, trace of foss.

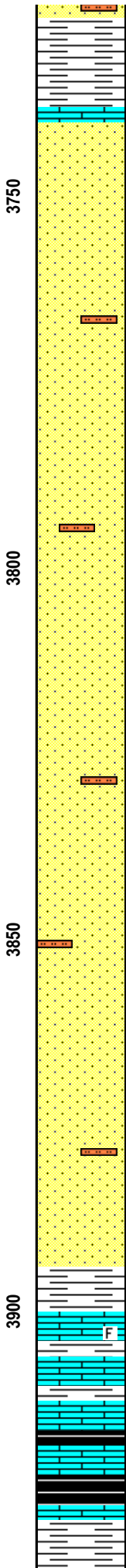
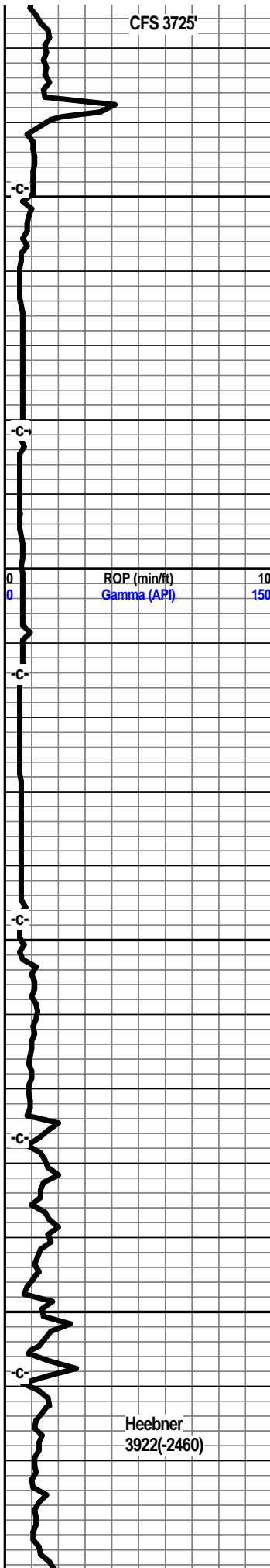
Shale, grey-black, carb?

Limestone, grey-white, fxln, dense.

Shale, Lt grey.

Sandstone, lt grey, very silty, mica, traces of pyrite, no visible shows, no gas indication. Almost a siltone in part.





Shale, Lt grey, silty to sandy.

Limestone, tan-brown, mxln, foss. in part.

Sandstone, v fn grained, silty, mica, traces of pyrite, friable in part, no visible shows.

Sandstone, fn grained, silty, mica, no visible shows.

Sandstone, fn grained, mica, silty, no visible shows.

Sandstone, grey-white, fn grained, silty

Sandstone, v fn grained, grey-white, mica, traces of pyrite.

Sandstone, grey-white, v fn grained, silty, trace pyrite, mica.

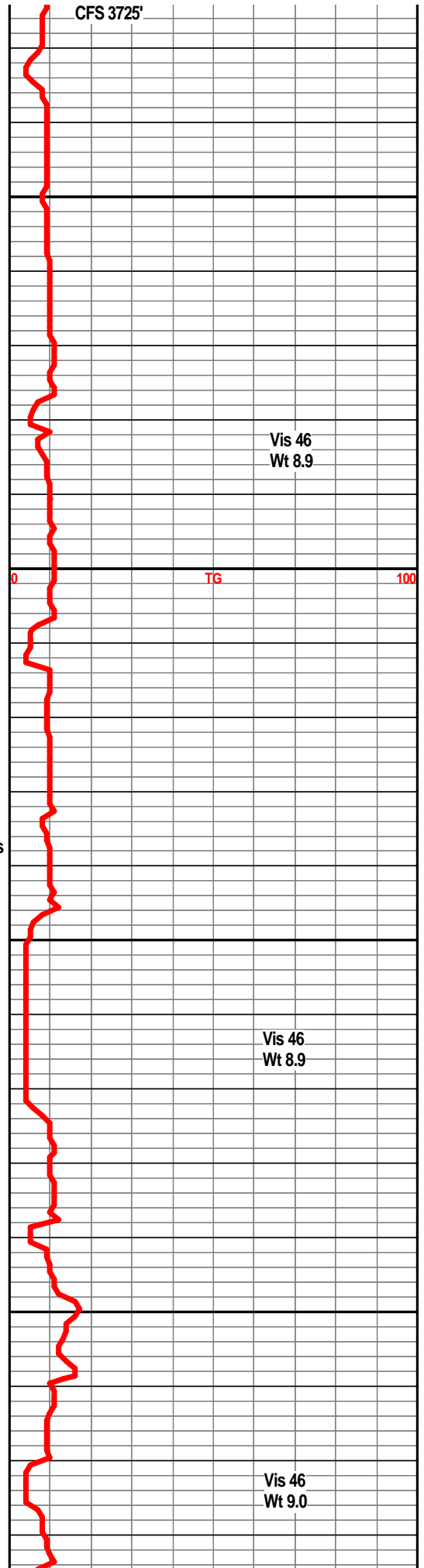
Sandstone, grey-white, fn grained, mica, silty.

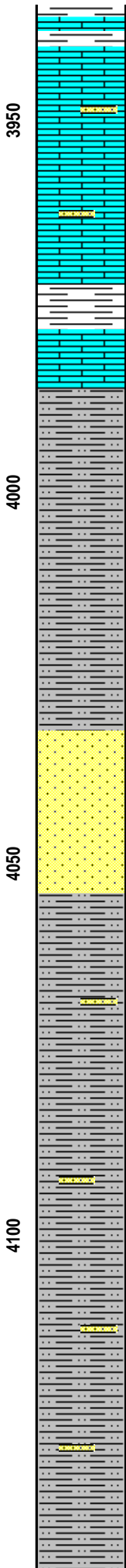
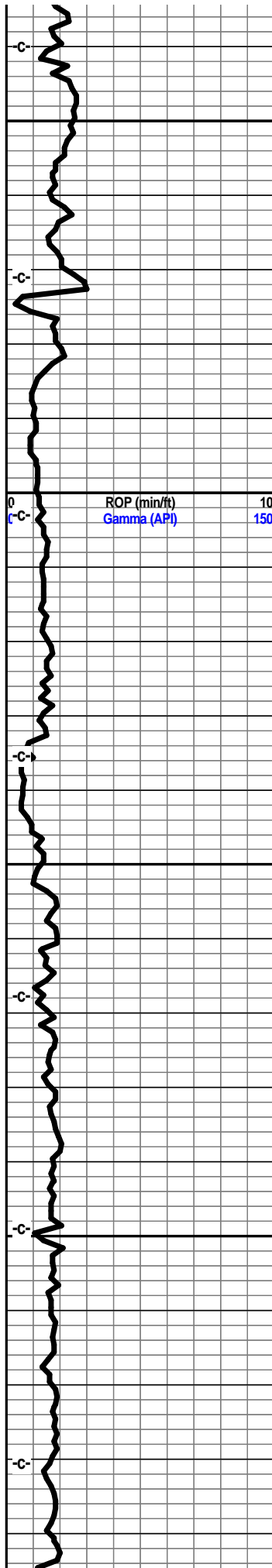
Shale, Lt grey, silty.

Limestone, tan-brown, xln, dense, sl foss.

Shale, grey-black, sl. carb.

Shale, grey, silty.





Limestone, grey-white, fxln, sandy in part, dense.

Limestone, a/a

Shale, grey, lt grey, silty.

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

Shale, grey, very silty to sandy.

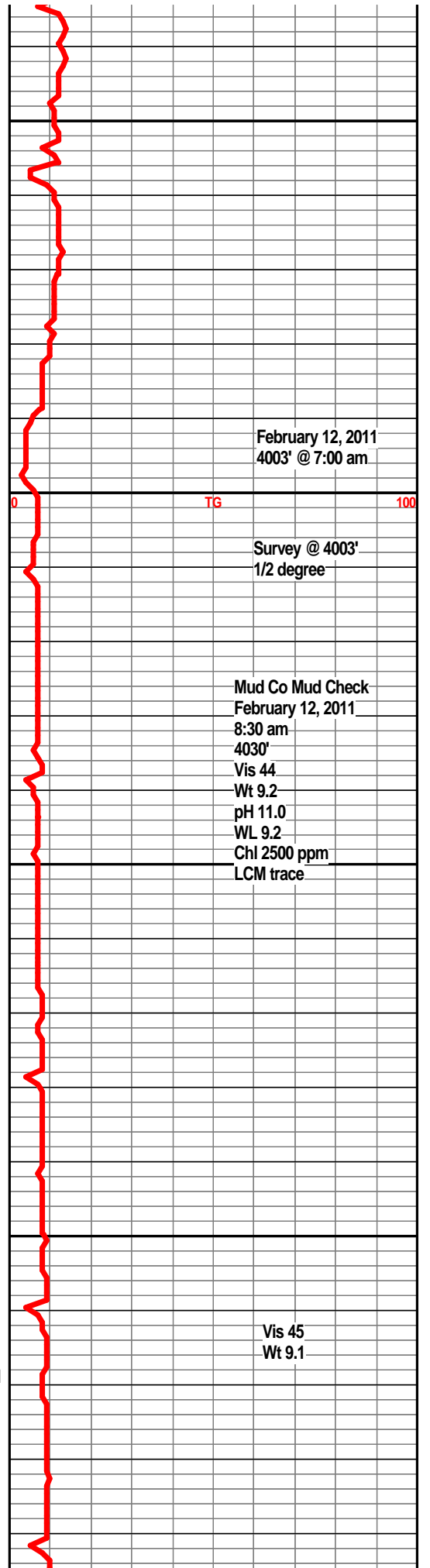
Shale, grey to lt grey, very silty.

Sandstone, clear to white, fn grained, mica, partly friable, silty in part, no visible shows.

Shale, Lt grey to grey, silty to sandy, some sandstone clusters, friable, mica, no visible shows.

Shale, Lt grey to grey, silty to sandy.

Shale, Lt grey to grey, very silty, fn grained sand clusters.

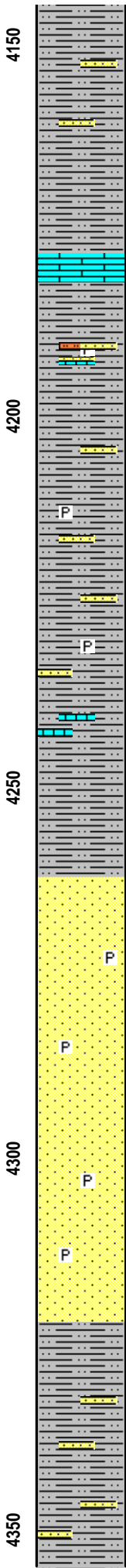
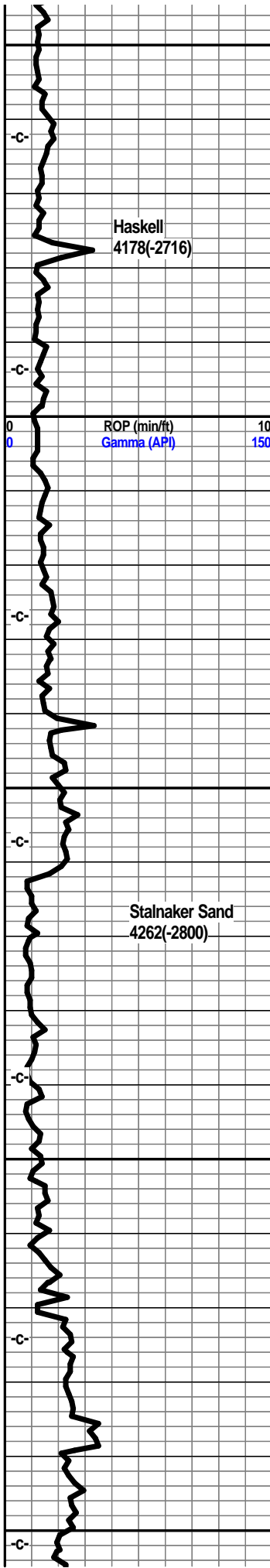


February 12, 2011
4003' @ 7:00 am

Survey @ 4003'
1/2 degree

Mud Co Mud Check
February 12, 2011
8:30 am
4030'
Vis 44
Wt 9.2
pH 11.0
WL 9.2
Chl 2500 ppm
LCM trace

Vis 45
Wt 9.1



Shale, Lt grey, grey, very silty.

Shale, Lt Grey, silty to slightly sandy.

Limestone, tan-brown, fmxln, dense, slightly foss.

Shale, Lt grey, grey, very silty, some dark grey-black shale, traces of pyrite.

Shale, Lt grey, grey, silty to sandy, some sandstone stringers.

Shale, grey, silty, traces of pyrite.

Shale, grey, lt grey, very silty, trace of limestone fragments.

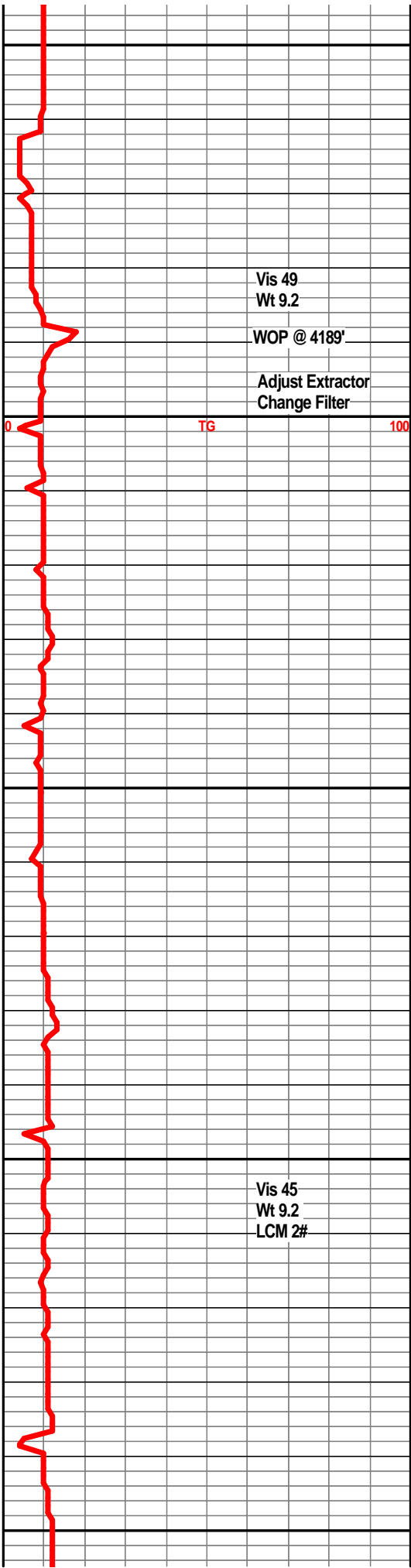
Sandstone, clear to lt grey, fn grained, well sorted, fair cementing, friable in part, trace mica, pyrite present, no visible shows.

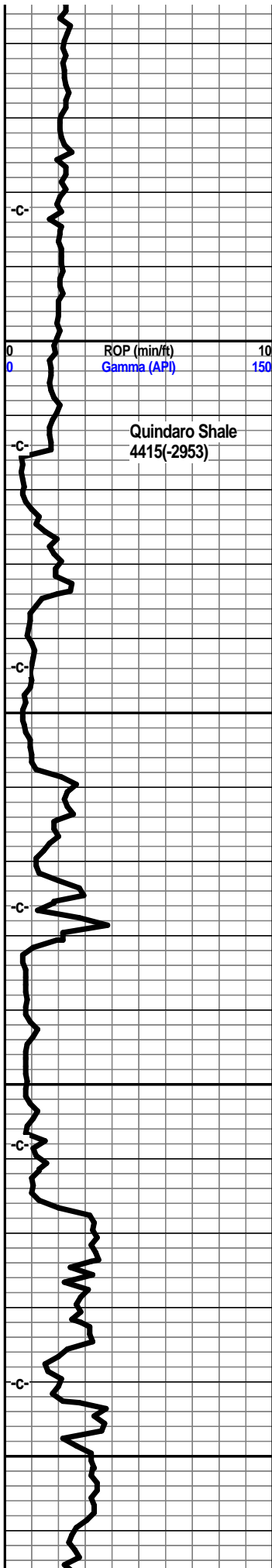
Sandstone, clear to lt grey, sa to sr, well sorted, fair cementing, friable, mica, no visible shows.

Sandstone, clear, lt grey, well sorted, slightly silty, friable, no visible shows.

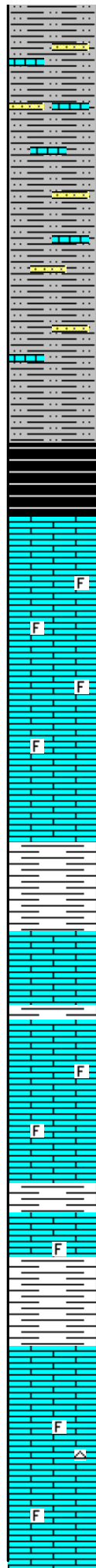
Shale, Lt grey, grey, silty to sandy, some sandstone stringers present.

Shale, Lt grey, grey, silty





4400
4450
4500
4550



Shale, Lt grey, some tan-brown limestone stringers.

Shale, Lt grey, calcitic, limestone stringers, tan-brown, foss.

Shale, Lt grey, calcitic, limestone stringers, traces of green shales.

Shale, Grey-black, carb., slight show of gas bubbles.

Limestone, cream, tan-white, fmxln, trace of foss., sub-chalky.

Limestone, cream, tan-white, some grey. fxln, dense, foss., trace xln porosity, no visible shows.

Limestone, cream-white, fxln, foss. foss porosity, trace of xln porosity, sub-chalky.

Shale, grey.

Limestone, Cream-white, fxln, foss. foss porosity, slightly chalky, no visible shows.

Limestone, cream-white, tan, fxln, very foss, foss porosity, trace of xln porosity, slightly chalky, no visible shows.

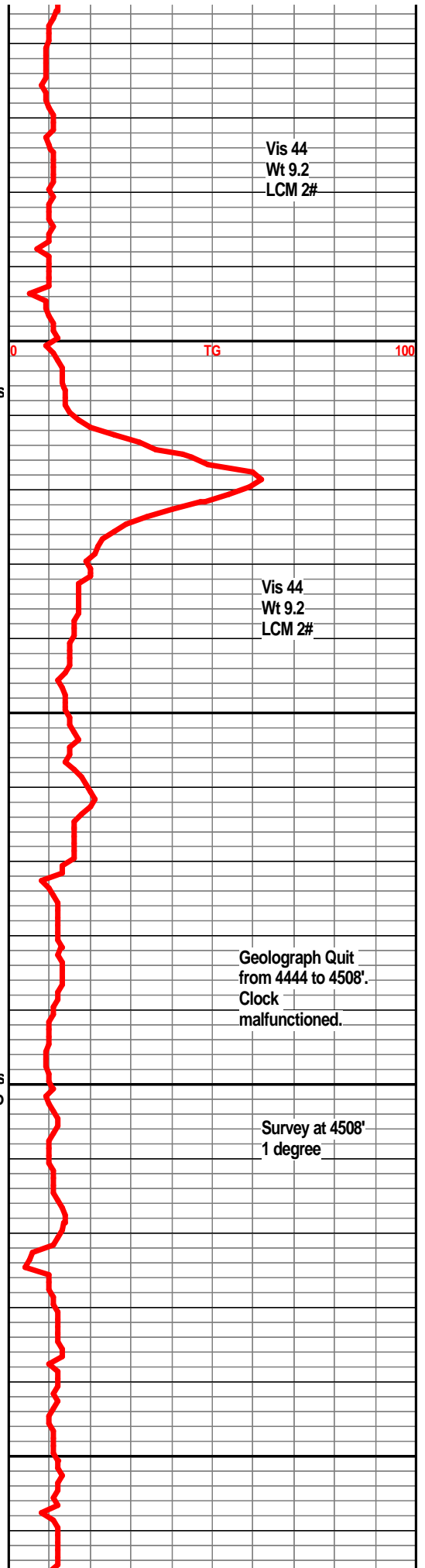
Shale, Lt grey.

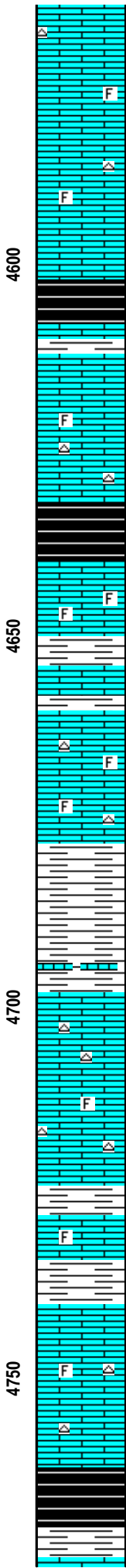
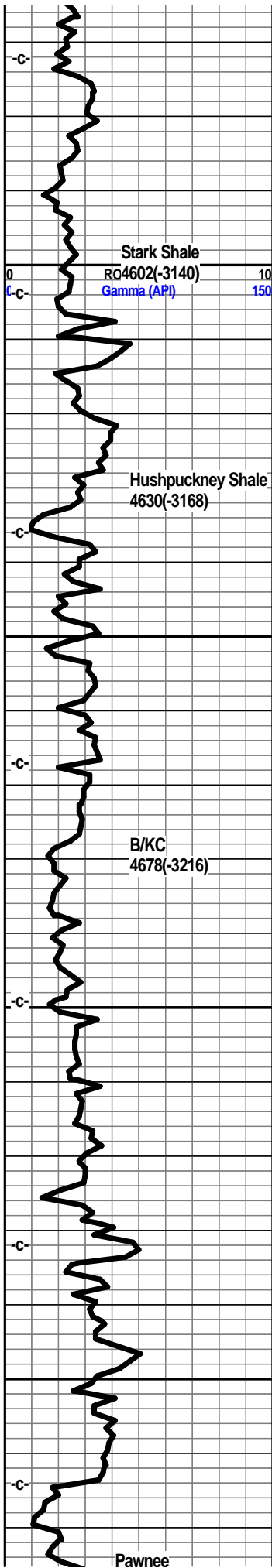
Limestone, tan-white, xln, dense, slightly foss.

Shale, grey, some light green.

Limestone, Cream-white, fxln, partly dense, sub-chalky, slightly foss. in part, no visible shows.

Limestone, cream-white, tan, fmxln, some foss. porosity, traces of tan chert, no visible shows.





Limestone, cream, tan-white, xln, cherty in part, grey-green splintery shales present.

Shale, grey-black, carb

Limestone, tan-white, fxln, trace of xln porosity, slightly foss, some foss porosity, slightly chalky. no visible shows.

Limestone, grey-white, mxln, foss, traces of chert.

Shale, grey-black, traces of gas bubbles.

Limestone, tan, tan-brown, fxln, foss., trace xln porosity, no visible shows.

Shale, grey.

Limestone, tan-brown, some grey-brown, fmxln, foss., trace of foss porosity, trace tan chert., no visible shows.

Shale, lt grey to grey-green, calcitic in part, few ls stringers towards base.

Limestone, grey-white, fxln dense, trace chert.

Limestone, grey-white, fxln, dense, trace foss.

Shale, grey-green.

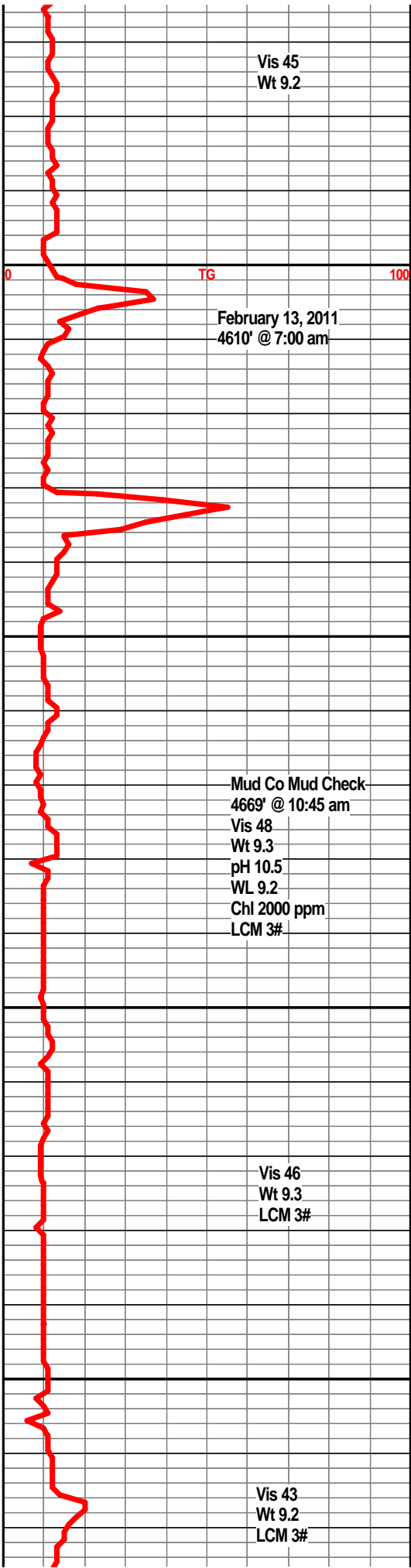
Limestone, grey, lt grey-green, fxln, dense.

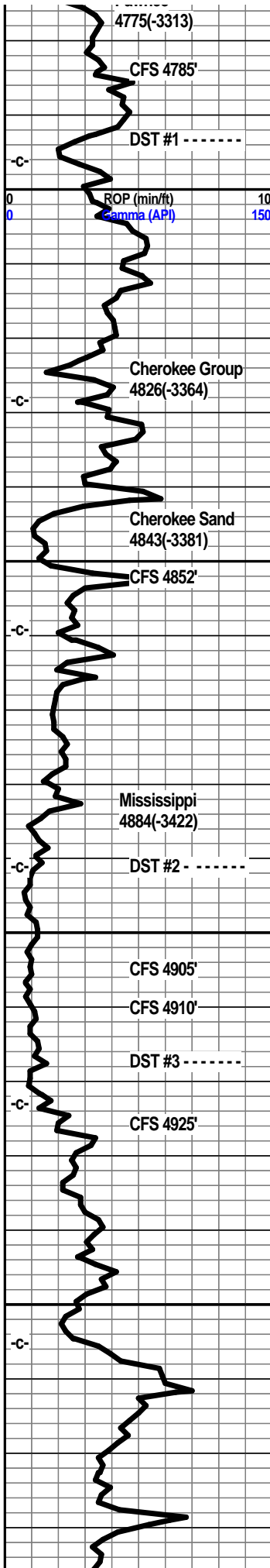
Shale, Lt grey.

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

Limestone, tan-white, cream, fxln, traces of chert, sub-chalky.

Shale, grey-black, slightly carb.





Limestone, cream-white, tan, fxl, slightly foss., trace of xln porosity, no visible shows.

Shale, Grey-Black.

Limestone, cream-white, tan, fxn, slightly foss., sub-chalky.

Shale, dark grey, grey.

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

Shale, grey, dark grey.

Sandstone, clear to tan-brown, fn grained, friable in part, well cemented in part, good brown staining, good odor, good show of oil, some free oil in tray, no bleeding gas, no fluor.

Shale, grey-green.

Shale, grey, red-grey, some pale yellow, trace of sand, some scattered chert, some tan limestone.

Chert, off-white to tan-white, weathered, some pin point porosity, scattered small vugs, good odor, good show of oil, show of free oil in tray, show of bleeding gas.

Chert, white to off-white, tan, weathered, increasing amounts of fresh, sharp cherts, staining evident along fractures, good show of oil and bleeding gas in weathered chert.

Chert, white, off-white, tan, weathered, fresh sharp cherts a/a, pin point to small scattered vugs, good odor, good show of oil and gas, very dull fluor.

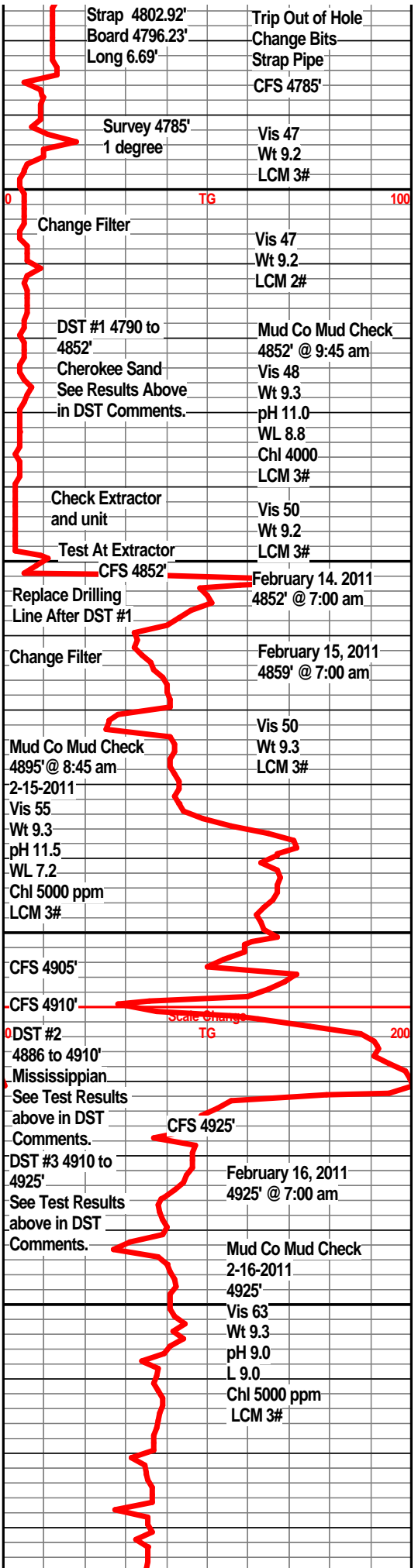
Chert, white to off-white, some tan, weathered, increasing sharp fresh cherts, fair odor, slight show of gas, decreasing shows of oil,

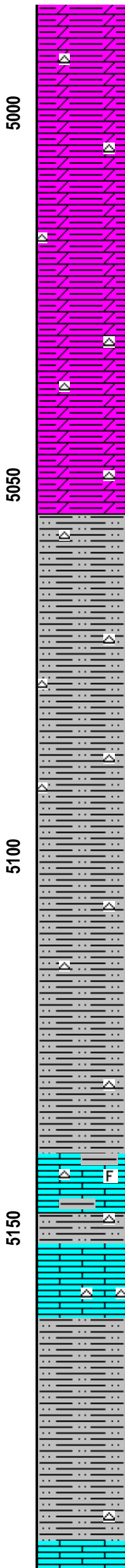
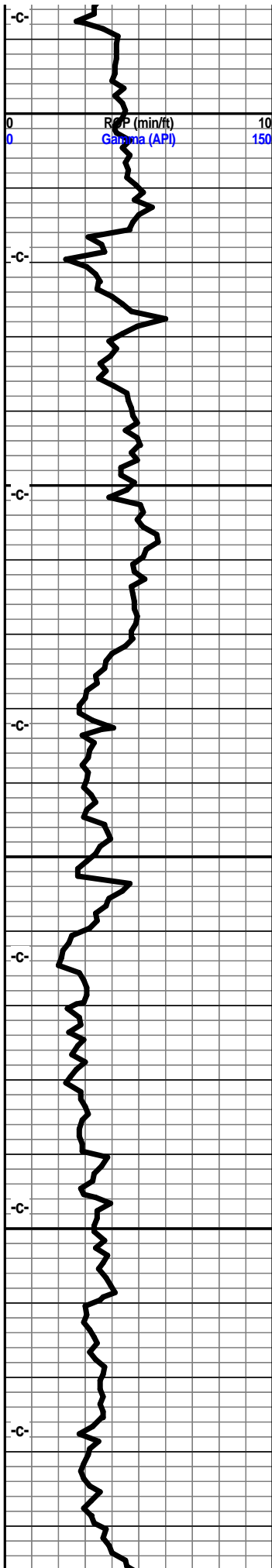
Shale, grey-green.

Dolomite, cream-white, xln, abundant fresh sharp cherts, some dark grey green shales.

Dolomite, cream-white, xln, very cherty, grey-green shales.

Dolomite, cream, cherty, increasing grey-green shales, traces of pyrite.





Dolomite, grey-white, cream, xln, some sharp cherts, grey-green splintery shales.

Dolomite, grey, light grey, xln, abundant grey-green shales.

Dolomite, Light grey, xln, abundant grey-green shales.

Dolo, grey, very shaley, traces of pyrite.

Shale, Lt grey, silty, some dolo streaks, traces of tan-brown limestone, traces of fresh chert.

Shale, grey to a lt grey, very silty, some firm blocky shales, some a dark grey, traces of tan-brown limestone, some lt grey dolo.

Shale, dark grey to a lt grey, some tan-brwn ls, few pieces reddish-brown shale.

Shale, Grey, dark grey, silty, traces of pyrite, some cream-white limestone pieces, traces of fresh chert.

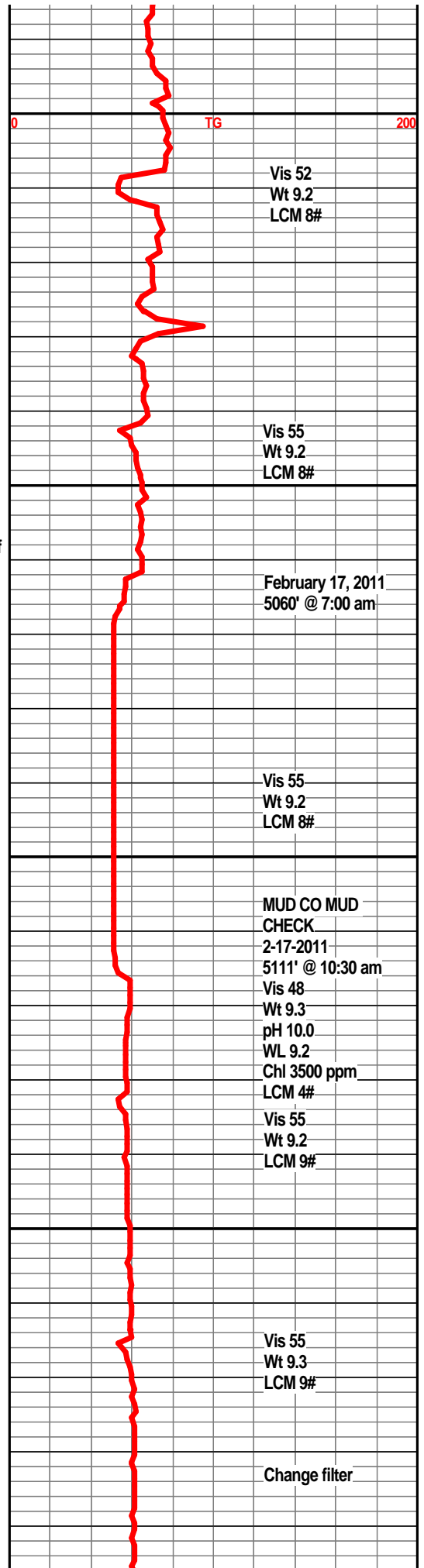
Limestone, cream, buff, tan, xln, partly dense, slightly foss, sub-chalky, abundant grey-green, some almost brick-red, burnt orange calcitic shales.

Limestone, cream-white, lt pale green, xln, foss, sub-chalky, cherty, some grey-green shales, traces of pyrite.

Shale, dark grey green, silty, traces of buff limestone, traces of pyrite.

Shale, dark grey, massive, traces of tan limestone, traces of pyrite.

Limestone. white to off-white. lt crev-green. xln.



Vis 52
Wt 9.2
LCM 8#

Vis 55
Wt 9.2
LCM 8#

February 17, 2011
5060' @ 7:00 am

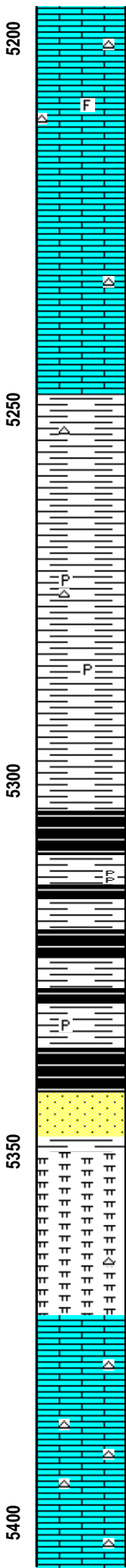
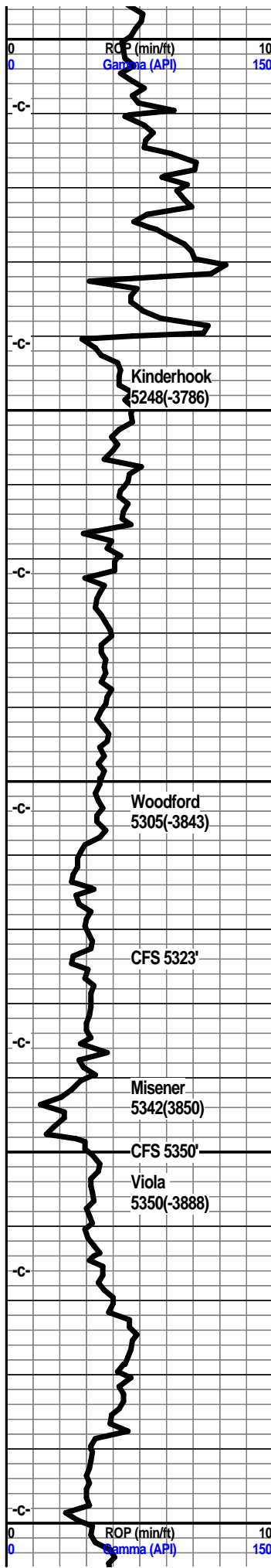
Vis 55
Wt 9.2
LCM 8#

MUD CO MUD
CHECK
2-17-2011
5111' @ 10:30 am
Vis 48
Wt 9.3
pH 10.0
WL 9.2
Chl 3500 ppm
LCM 4#

Vis 55
Wt 9.2
LCM 9#

Vis 55
Wt 9.3
LCM 9#

Change filter



Limestone, white to off white, lt grey green, xln, soft, very chalky.

Limestone, grey, lt pale-green, xln, dense, trace foss., slightly chalky.

Limestone, lt grey, pale grey-green, xln, sub-chalky, slightly foss., mostly dense.

Limestone, grey, lt grey, xln, dense, some sub-chalky, trace of foss., some pale green shales.

Limestone, cream-white, tan, xln, dense, traces of chert, some green firm shale w/ pyrite.

Limestone, buff-white, tan, xln, sub-chalky, traces of chert, increasing green-grey shales.

Shale, dark grey, firm, traces of pyrite.

Shale, dark grey-green, firm, traces of pyrite. Some ls pieces.

Shale, grey-green, firm.

Shale, coffee-brown to grey-black, carb, show of gas bubbles.

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

Shale, grey-black, coffee brown, show of gas, trace of pyrite.

Sandstone, grey-white, angular, well cemented, slightly friable, glauc, slight show of gas bubble, dull fluor, poss show scummy oil, no odor.

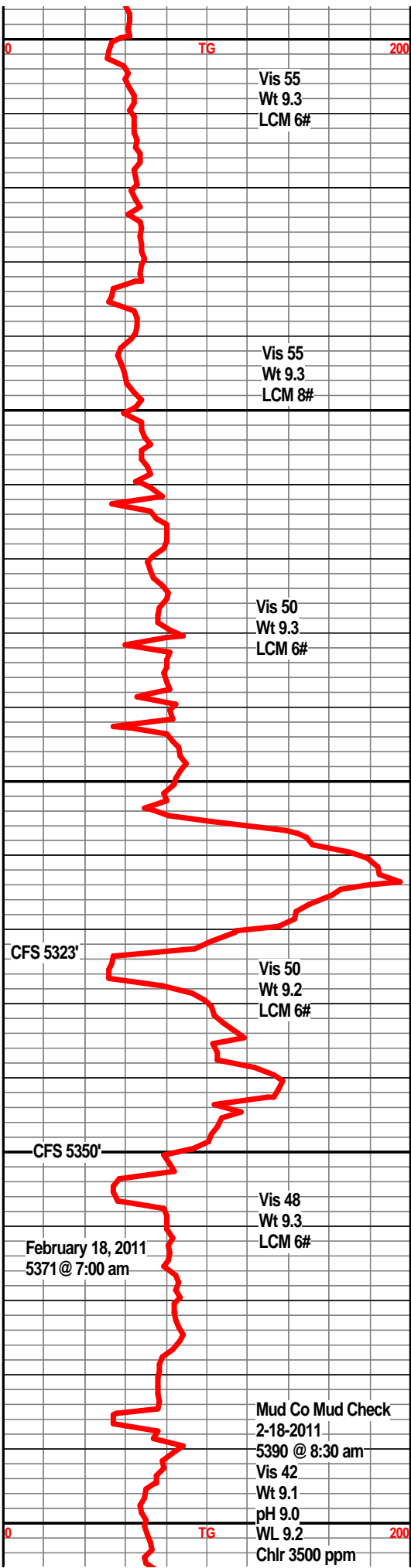
Sandstone, white to clear frosted grains, fair sorting, friable in part, glauc, mica, slight fluor, slight show of oil, odor when sample crushed, traces of pyrite.

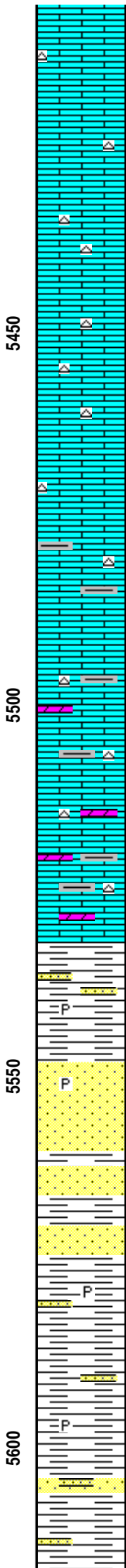
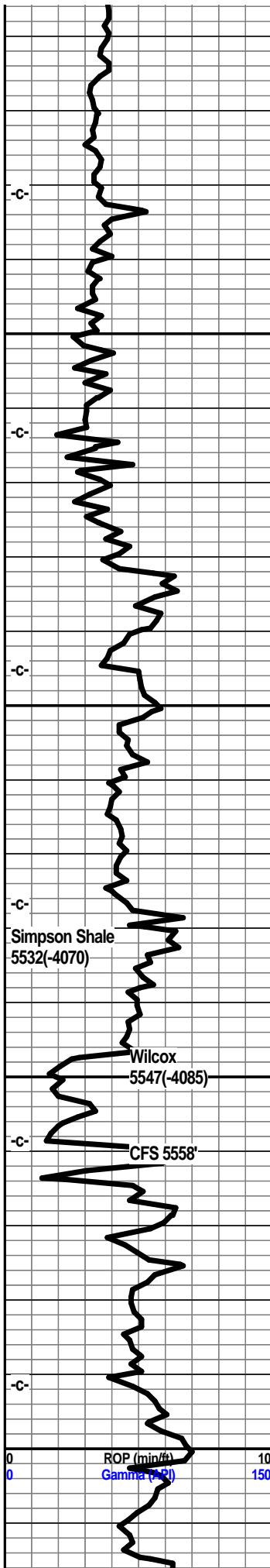
Dolo, light grey-white, soft, slight trace of ls., trace of chert.

Limestone, tan-white, lt grey, xln, traces of grey to tan chert, slightly chaky in part.

Limestone, grey-white, xln, dense, traces of chert, sub-chalky in part.

Limestone, tan-white, xln, dense, some fresh cherts.





Limestone, tan-white, xln, trace foss, cherty in part. Some green shales.

Limestone, grey-white, tan, cherty, green shale.

Limestone, tan-white, xln, tan cherts.

Limestone, tan-white, tan, xln, tan cherts, some grey-green shale.

Shale, grey-green, firm.

Limestone, cream-white, tan, xln, traces of chert, geen shales.

Limestone, grey-white, xln, granular, sandy texture, Slightly dolo., green shale.

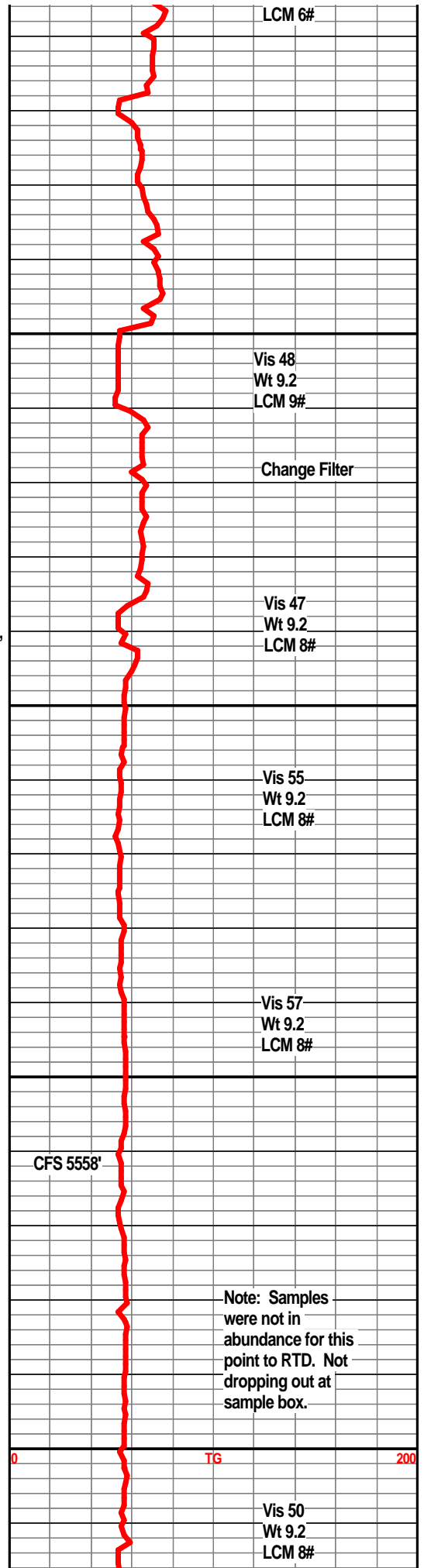
Shale, dark green, firm, some grey sand stringers.

Sandstone, clear to white, sa qtz grains, well sorted, partly friable, some well cemented, gil, no visible shows of oil or gas.

Sandstone, clear to white, fn grained, sa, well sorted, friable in part, gil, traces of pyrite, no visible shows.

Shale, dark green to a pale green, some sandstone stringers.

Shale, grey-green, firm, sand stringers imbedded.



Note: Samples were not in abundance for this point to RTD. Not dropping out at sample box.

