



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: KEESECKER 2
Location: Apx SW NE NE NW
License Number: API: 15-007-23727-00-00
Spud Date: June 23, 2011
Surface Coordinates: 480' FNL & 2120 FWL Section 33-Twp 34 South - Rge 11 West
Stranathan NE Field
Bottom Hole Coordinates: Vertical Hole
Ground Elevation (ft): 1404
Logged Interval (ft): 3000 To: RTD
Formation: McLish Shale
Type of Drilling Fluid: Chemical Mud, Displace at 3350'
K.B. Elevation (ft): 1413
Total Depth (ft): 5325
Region: Barber County, Kansas
Drilling Completed: July 2, 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
LECOMPTON	3519(-2106)	3516(-2106)
KANWAKA	3546(-2133)	3543(-2130)
HEEBNER	3761(-2348)	3761(-2348)
QUINDARO SHALE	4294(-2881)	4291(-2878)
HUSHPUCKNEY SHALE	4489(-3076)	4485(-3072)
B/KC	4540(-3127)	4536(-3123)
PAWNEE	4642(-3229)	4640(-3227)
CHEROKEE GROUP	4688(-3275)	4684(-3271)
MISSISSIPPIAN	4739(-3326)	4745(-3332)
KINDERHOOK SHALE	5014(-3601)	5010(-3597)
WOODFORD SHALE	5046(-3633)	5042(-3629)
VIOLA	5069(-3656)	5068(-3655)
SIMPSON GROUP	5209(-3796)	5214(-3801)
SIMPSON SAND	5228(-3815)	5232(-3878)
MCLISH SHALE	5291(-3878)	5289(-3877)
RTD	5325(-3912)	
LTD		5320(-3907)

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 220' with 240 sxs Class A, 2% gel, 3% cc, plug down at 12:15 am on June 24, 2011. Cement did Circulate.

Production Casing: 5 1/2" Casing Ran.

Deviation Surveys: 3/4- 225', 1-476', 1/2 - 1227', 1/2 - 1448', 3/4 - 1700', 1/2 - 1950', 1/2 - 2199', 1/2 - 2450', 3/4 - 2701', 1/4 - 2954', 1 - 3206', 3/4 - 3457', 1 - 3708', 1 - 3803', 1 1/2+ - 3897', 1/4 - 3991', 1 - 4116', 1/4 - 4273', 1 - 4786', 1 - 5029', 3/4 - 5325'.

Contractor Bit Record:

1- 14 3/4" out at 225'.

2- 7 7/8" out at 5325'.

Gas Detector: Woolsey Operating Company, Trailer #1

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: One by Superior Testers Enterprises, LLC

Logged by Superior Well Services

LTD - 5320'

DSTs

DST #1 4660 to 4786' Times 30-60-60-120

1 opening 9 inch blow, no blow back

2 nd Opening, BOB 2 Minutes, weak blow back, died

Recovery 540' Gassy Mud(20% Gas, 80% Mud)5.3 bbls

IHP 2450 FHP 2296

IFP 211-357 FFP 489-621


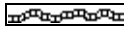
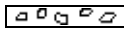
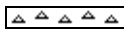
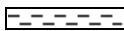








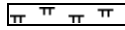

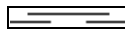







ISIP 1518 FSIP 1092

(The results from this test are highly questionable)















































































CREWS

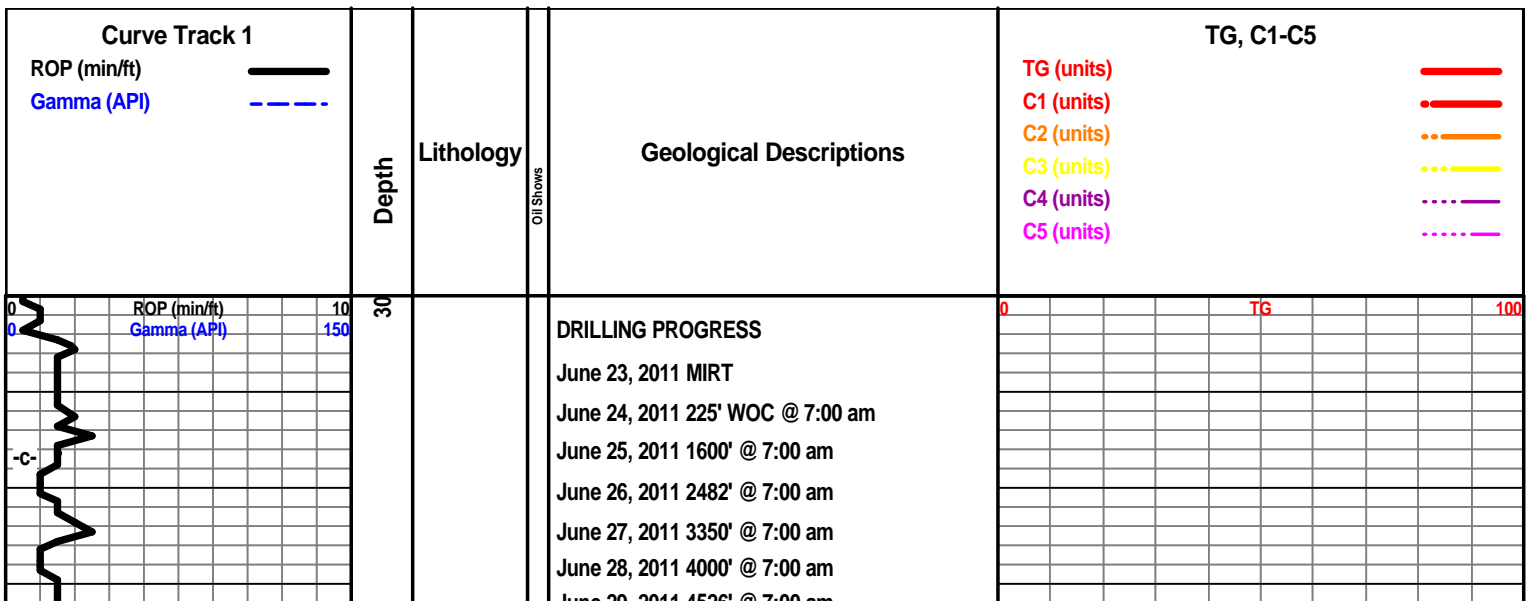
H2 Drilling Rig #3
 Tool Pusher - Randy Smith
 Drillers - Gary Axtell
 Luis Marquez
 Cain Charles

ROCK TYPES

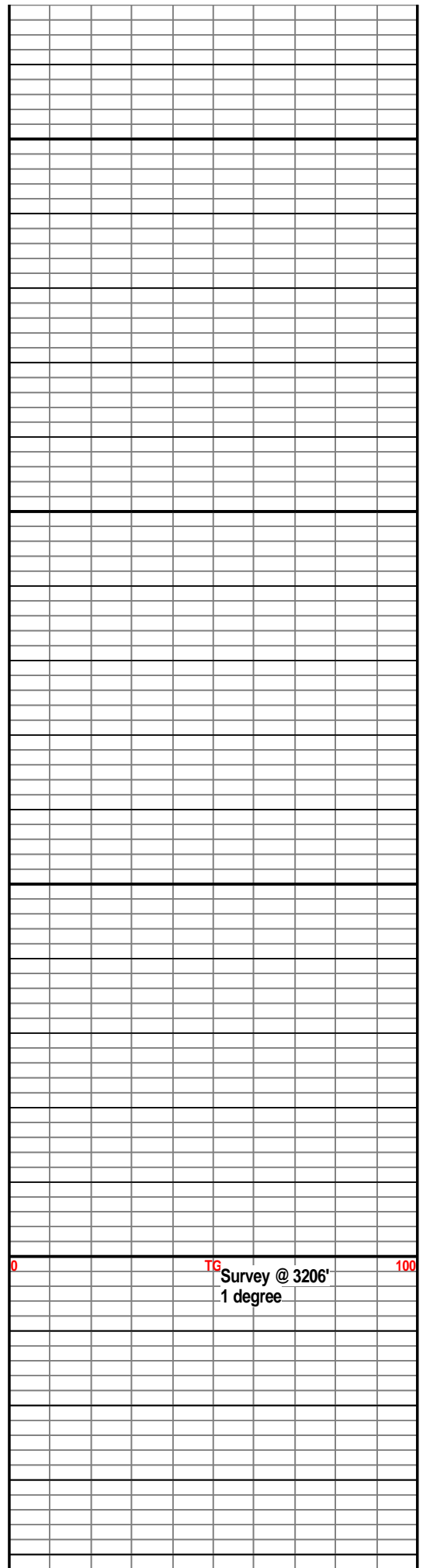
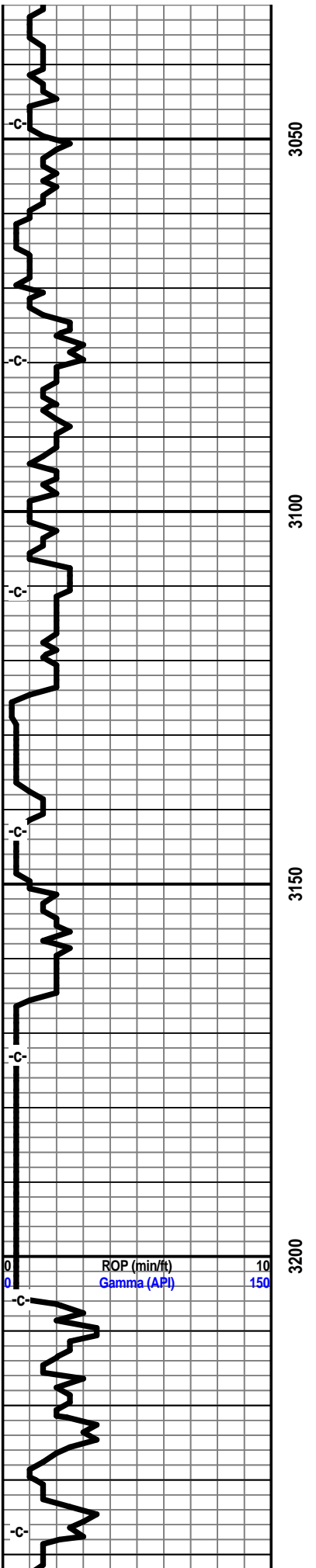
 Anhy  Bent  Brec  Cht  Clyst  Coal	 Congl  Sdy dolo  Shy dolo  Dol  Gyp  Sdy lmst	 Lmst  Mrlst  Salt  Shale  Sltst  Ss	 Black sh  Gry sh  Shale  Shyslstst  Sltysh
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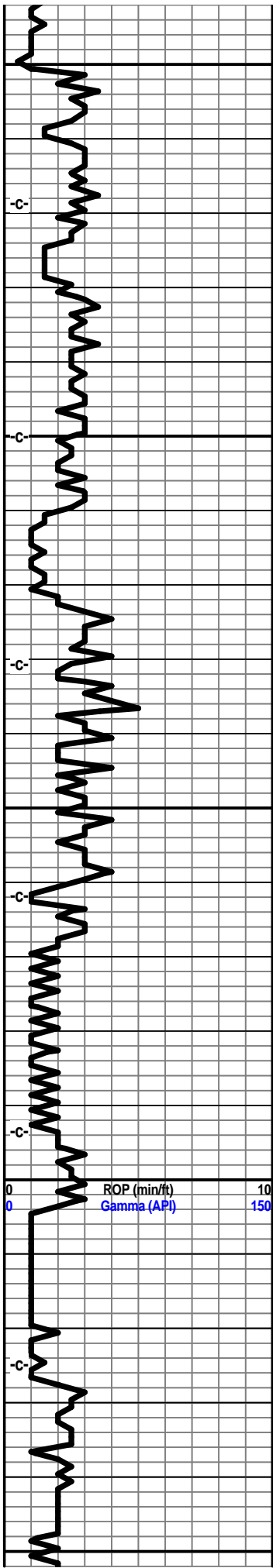
ACCESSORIES

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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June 29, 2011 4920' @ 7:00 am
June 30, 2011 4786' @ 7:00 am
July 1, 2011 4977' @ 7:00 am
July 2, 2011 5325' @ 7:00 am





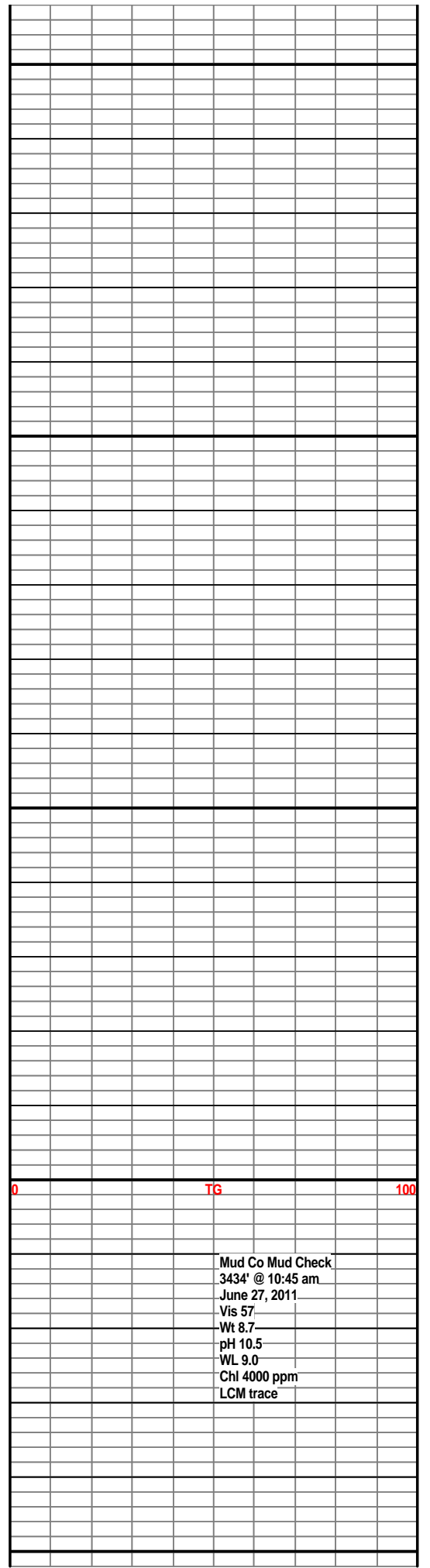
3250

3300

3350

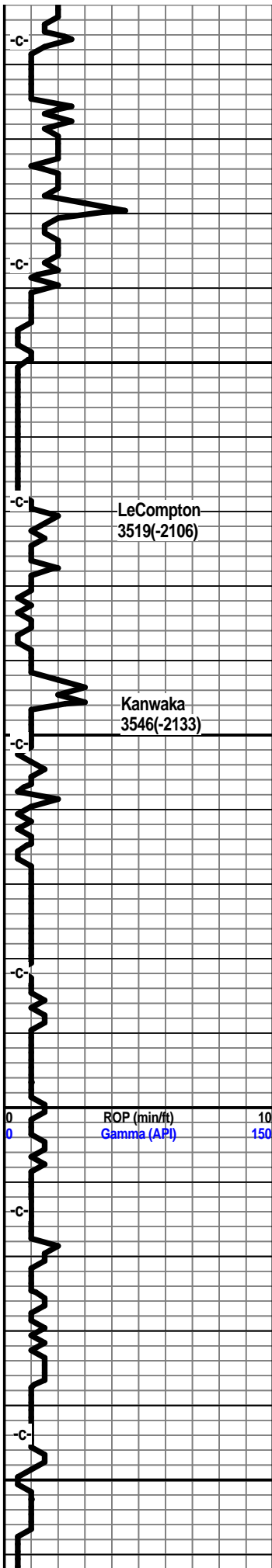
3400

3450



0 TG 100

Mud Co Mud Check
 3434' @ 10:45 am
 June 27, 2011
 Vis 57
 Wt 8.7
 pH 10.5
 WL 9.0
 Chl 4000 ppm
 LCM trace



3500

3550

3600

3650

Survey 3457'
3/4 degree

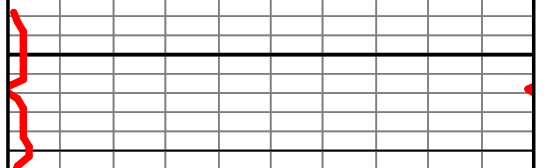
June 27, 2011
Geologist on
Location 3544'
@ 2:04 pm

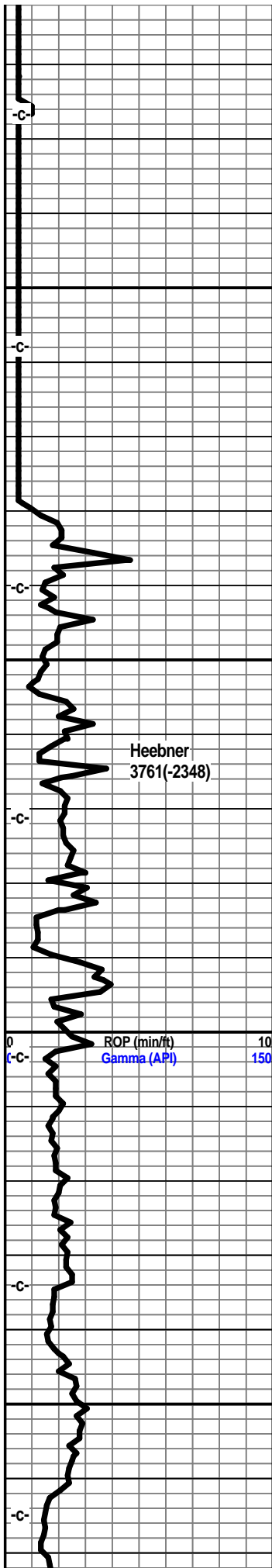
Start Gas Detector

Work on footage
marker.
Loose wire.

Vis 44
Wt 8.8

0 TG 100





Sandstone, clear to grey-white, sa, fair sorting, friable, mica, traces of grey interbedded shales, no visible shows.

Limestone, tan-brown, xln dense, foss.

Shale, grey-black, sl. carb

Shale, grey-black, slightly carb.

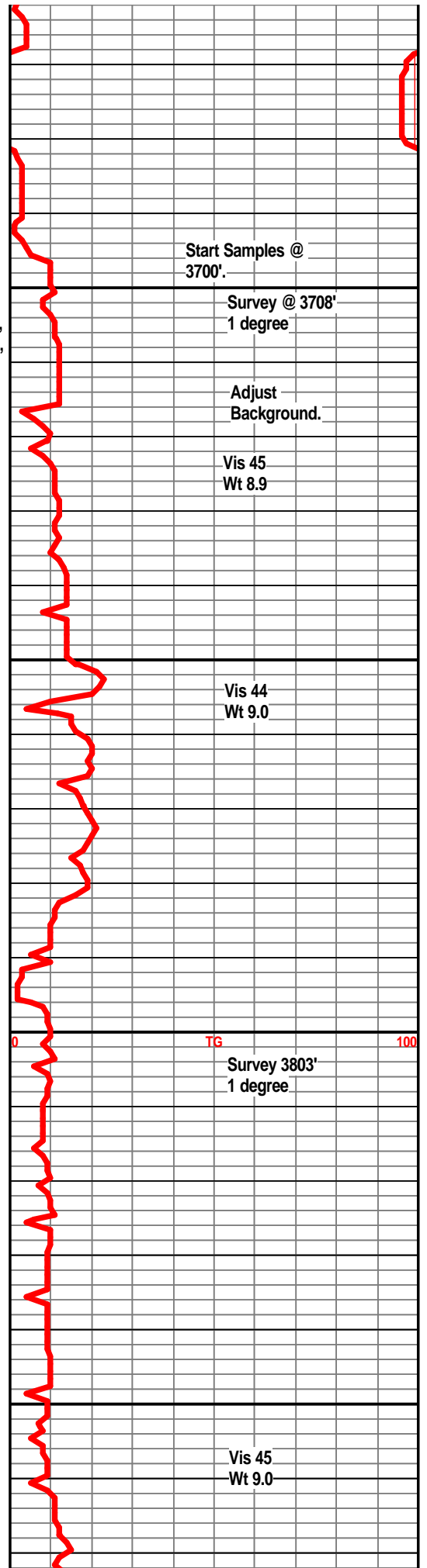
Limestone, cream, buff-white, fxln, foss., foss porosity, subchalky in part, no visible shows.

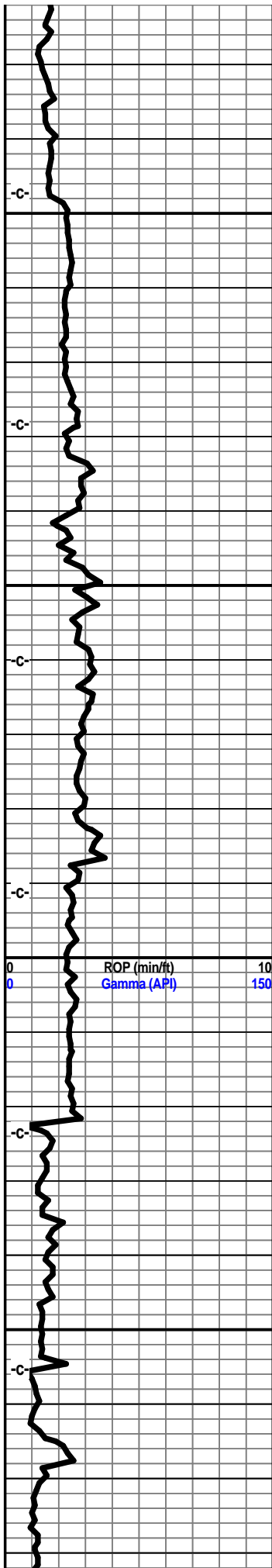
Limestone, tan-brown, xln dense, slightly foss.

Shale, light grey, silty to sandy, some interbedded limestones.

Shale, light grey, silty to sandy in part.

Shale, light grey, soft, silty, some interbedded limestone stringers and sand clusters.





Shale, light grey, silty, interbedded ls and sst stringers, traces of pyrite.

Shale, light grey, silty, ls and sst stringers.

Shale, grey to light grey, silty, sst and ls stringers.

Shale, light grey to grey, silty, sst and ls stringers, traces of pyrite.

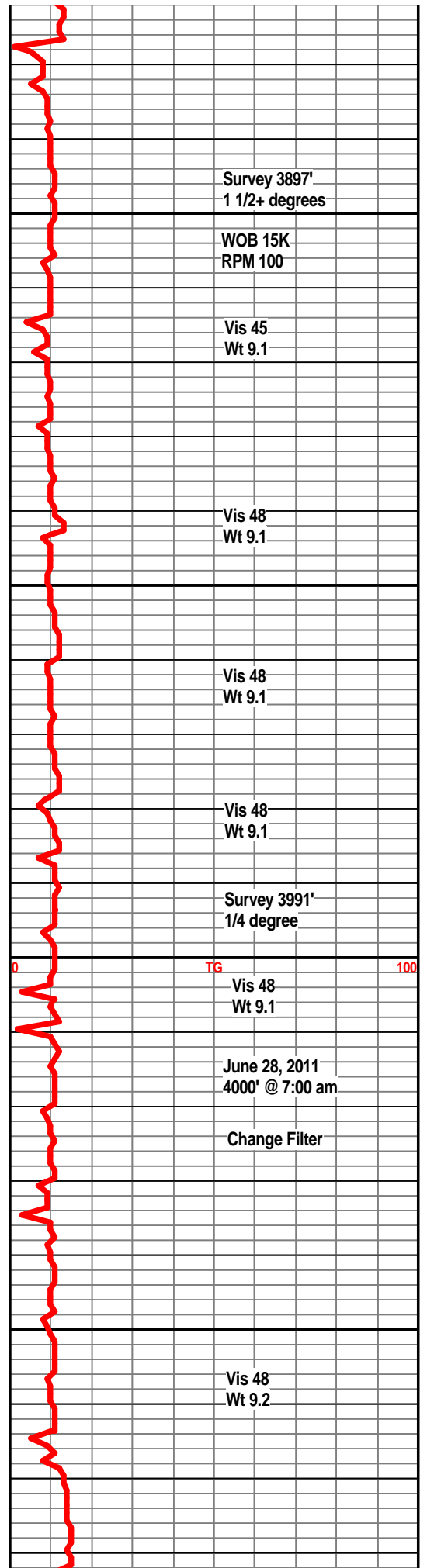
Shale, light grey, grey, silty, sst and ls stringers.

Shale, light grey to grey, silty, sandy to ls frags, few clusters.

Shale, grey, silty, traces of brick red shale, sand clusters, some scattered bwn ls frags.

Shale, light grey, grey, silty, few sandstone clusters.

Shale, grey, silty, traces of pyrite, ls and sst fragments.



Survey 3897'
1 1/2+ degrees

WOB 15K
RPM 100

Vis 45
Wt 9.1

Vis 48
Wt 9.1

Vis 48
Wt 9.1

Vis 48
Wt 9.1

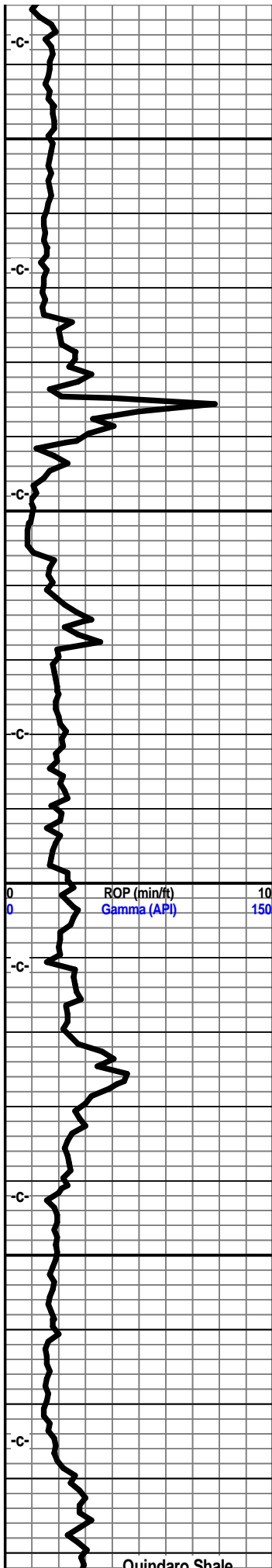
Survey 3991'
1/4 degree

TG 100
Vis 48
Wt 9.1

June 28, 2011
4000' @ 7:00 am

Change Filter

Vis 48
Wt 9.2



Shale, light grey, grey, silty to sandy in part, some tan ls fragments, trace of pyrite.

Shale, grey, light grey, trace red brick, silty, traces of sandstone clusters, some scattered tan ls frags.

Limestone, tan-brown, xln, dense, slightly sandy, trace foss.

Sandstone, clear to grey white, sa, fair sorting, friable in part, some well cemented, glauc, mica, no visible shows.

Shale, grey, silty, traces of sandstone clusters, some tan-brown dense limestone.

Shale, grey, silty to sandy, ls fragments.

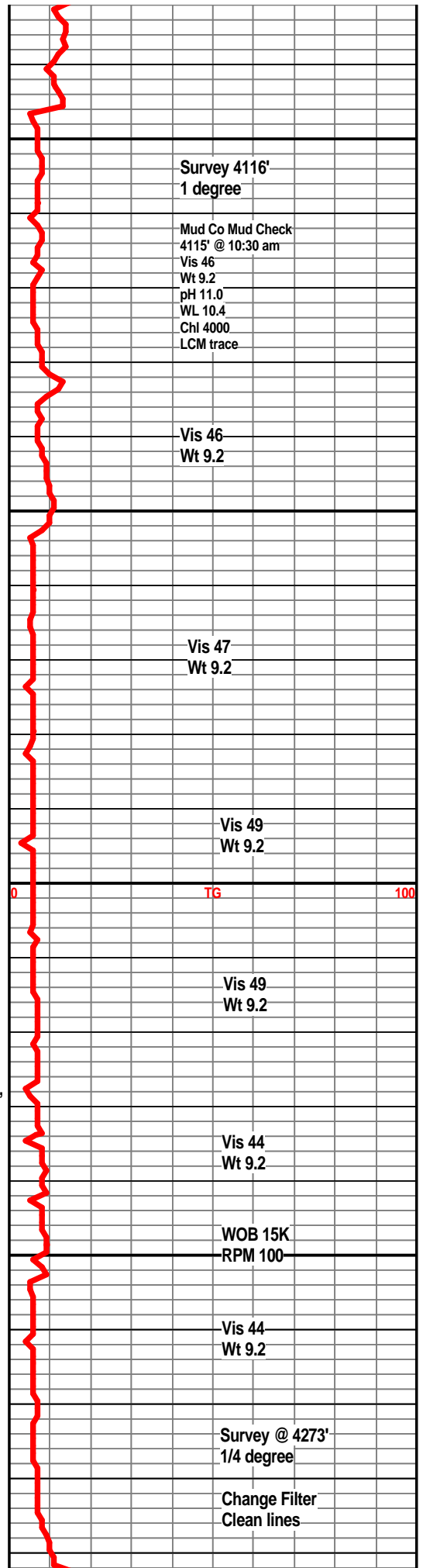
Shale, grey silty to sandy.

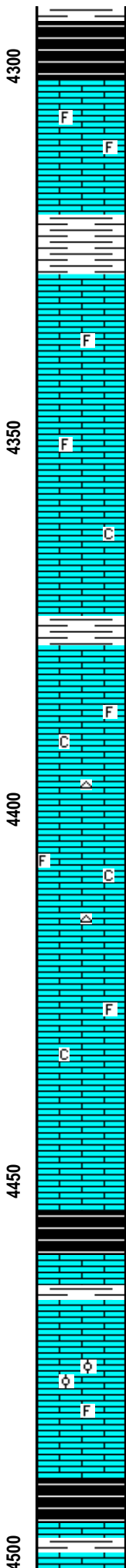
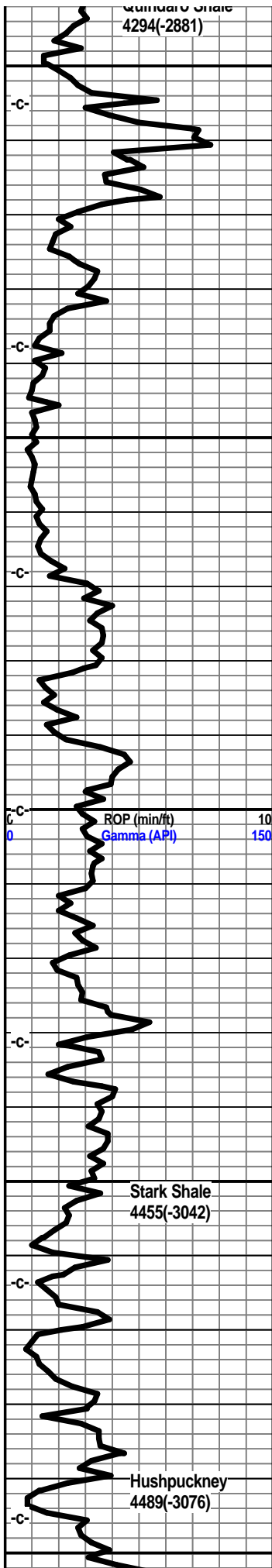
Shale, light grey, silty, some tan-brown ls, foss, dense.

Shale, grey, light grey, silty to sandy, trace ls fragments.

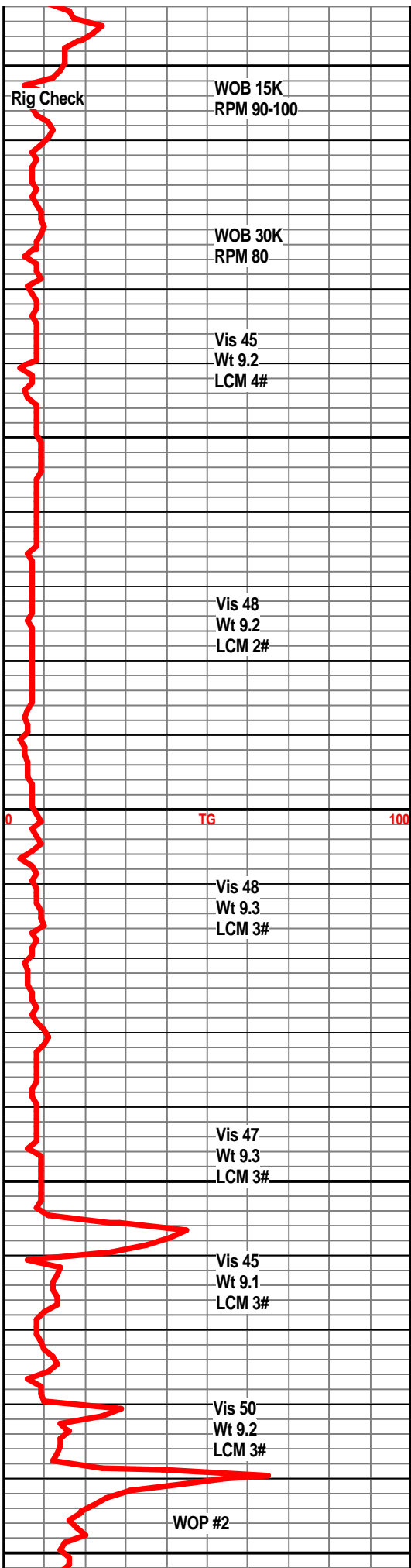
Shale, light grey, grey, silty to sandy.

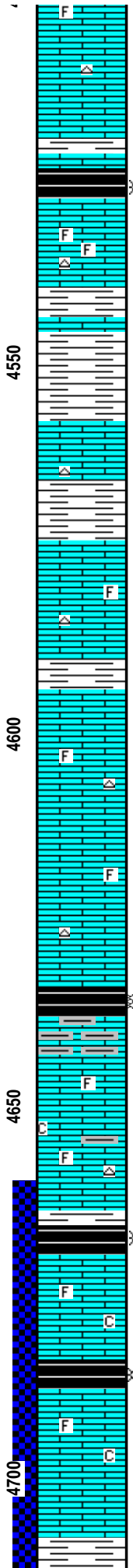
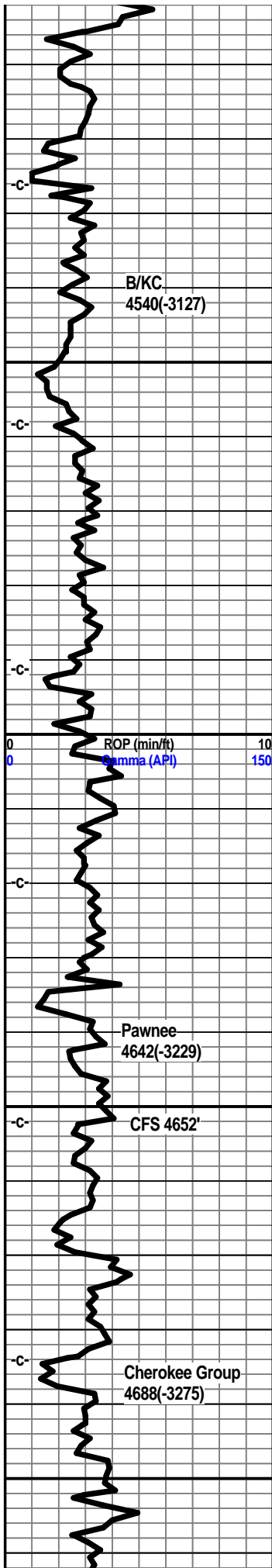
Shale, grey, silty to sandy.





Shale, grey-black, carb
 Limestone, buff-white, tan, xln, dense, foss in part.
 Shale, grey.
 Limestone, cream, buff-white, xln, very foss., subchalky in part, some foss porosity, trace of xln porosity., no visible shows.
 Limestone, buff, cream-white, xln, partly dense, foss in part, slightly subchalky.
 Shale, grey.
 Limestone, tan-white, cream, xln, dense in part, foss, foss porosity, subchalky in part.
 Limestone, tan-white, xln, subchalky, traces of off-white chert.
 Limestone, cream-tan, xln, dense, slightly chert, foss in part, subchalky in part.
 Shale, Grey-black, slightly carb.
 Limestone, cream-white, tan, fxln, foss., oolitic, ool porosity, subchalky in part, no visible shows.
 Shale, grey-black, carb





Limestone, cream-white, xln, slightly foss, traces of off-white chert.

Shale, grey-black, slightly carb.

Limestone, tan, buff-white, subchalky, tan chert, slightly foss.

Shale, light grey, grey, some light green, calcitic in part.

Limestone, light grey-green, xln, dense.

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

Shale, light grey, traces of green shale.

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

Limestone, tan, fxln dense, foss, tan chert.

Shale, grey-black, carb.

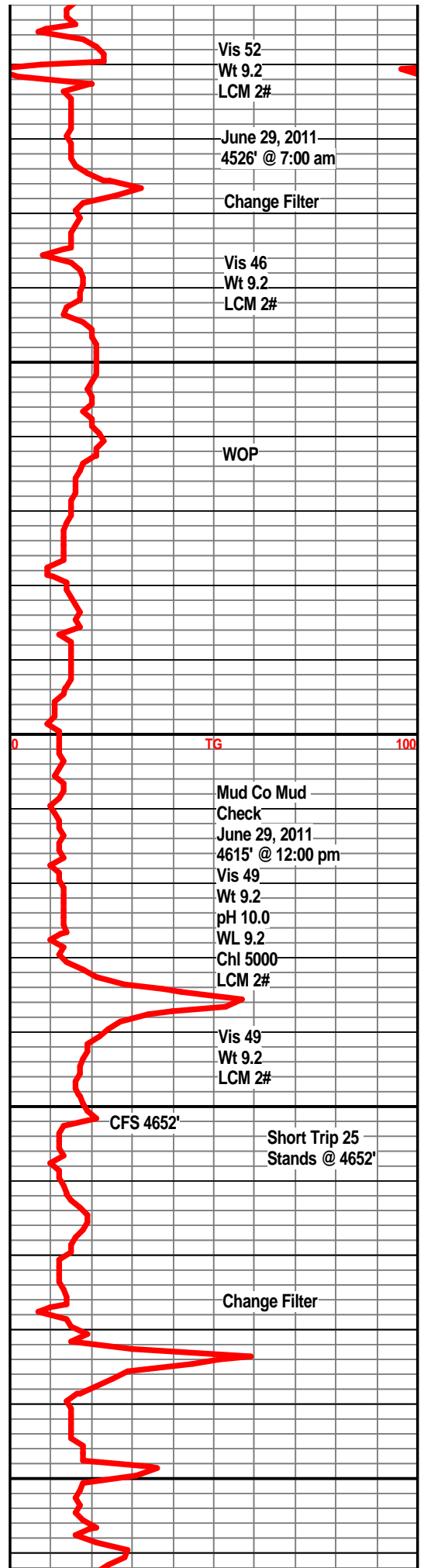
Limestone, cream, tan-white, fxln, traces of xln porosity, slightly foss., dull mineral fluor., no visible shows, no odor.

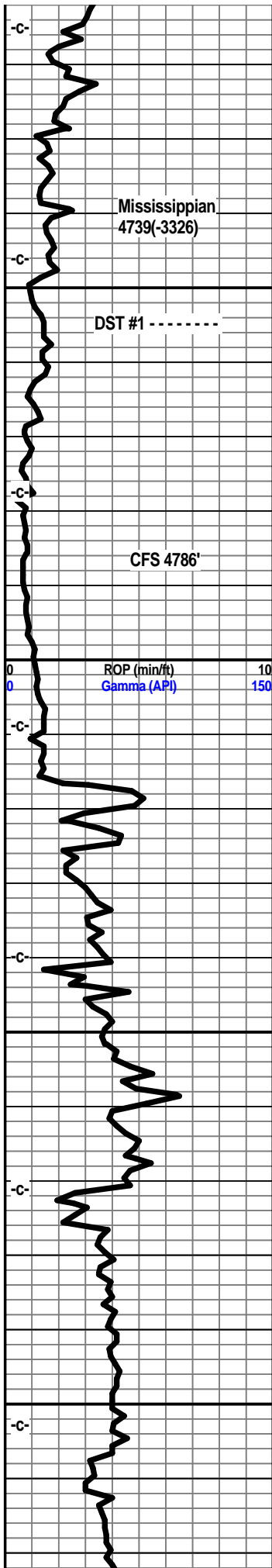
Shale, grey-black, slightly carb.

Limestone, grey-white, fxln, dense, trace of foss, subchalky in part, no visible shows.

Shale, grey-black, carb.

Limestone, light grey-white, cream, xln, dense, slight sandy texture, traces of pyrite imbedded, no visible shows, some dull min. fluor.





Shale, light grey-green, sandy.

Shale, light grey, maroon, yellow, some ls frags, traces of sand with green flakes, no visible shows, soft.

Limestone, white to off-white, xln, soft, chalky, asphaltic stain, very faint odor, traces of clear to off-white chert with asphaltic staining, some weathered pp porosity, very dull fluor, questionable show oil.

Chert, off-white to tan, weathered in part, scattered pp porosity with bleeding gas and oil, some free oil in tray, fair odor, very dull fluor, some fresh chert with light brown edge staining.

Chert, off-white to tan, weathered with pp porosity, fair odor, fair show oil and gas, traces of free oil, light brown staining, dull fluor, small amount of sharp chert with edge staining.

Chert, white, tan-white, scattered weathering, pp porosity, traces of small vugs, scattered light brown staining, fair odor, poor to fair show oil and gas, increasing amounts of off-white sharp cherts with staining, dull scattered fluor.

Dolo, grey-white, fxln, dense, some weathered cherts, pp porosity, light brown staining, grey shales.

Dolo, light grey to grey, dense, grey shales.

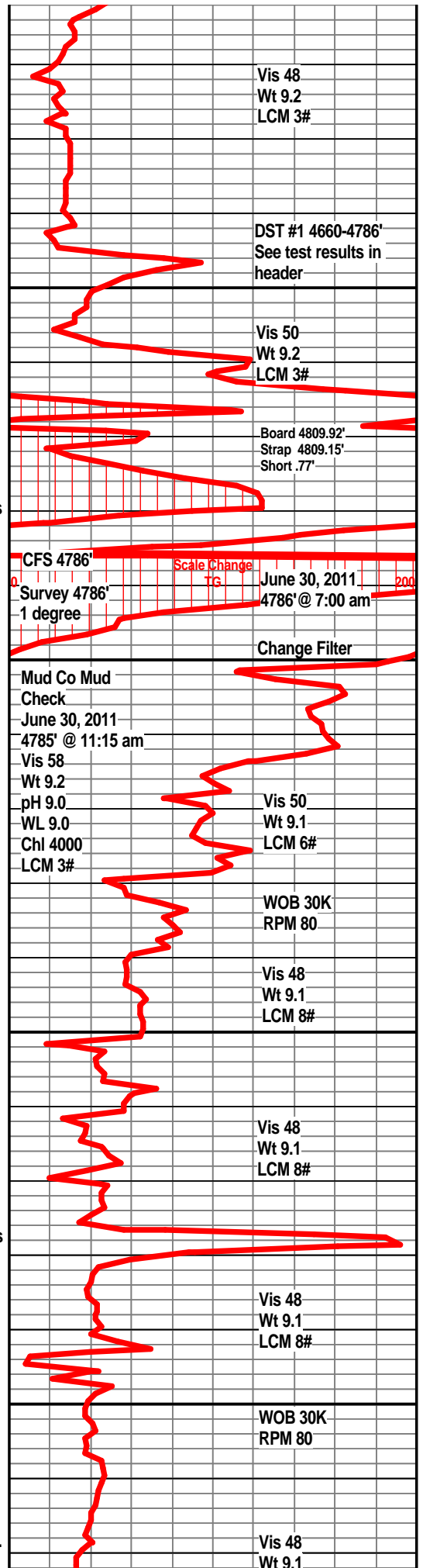
Dolo, grey to darker grey, xln, shaley, grey shales, some weathered cherts with light staining.

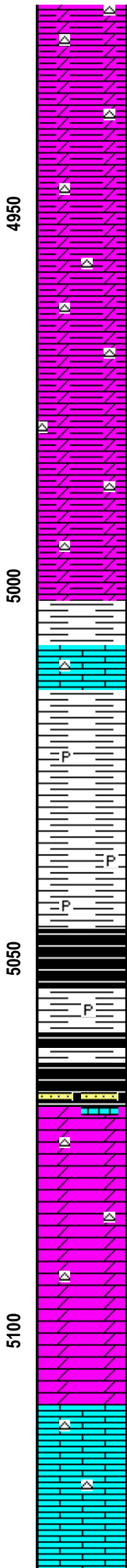
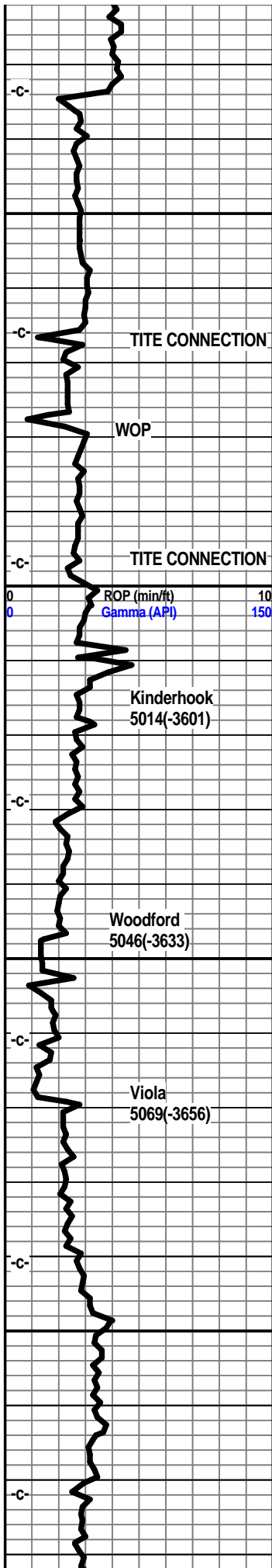
Dolo, grey, xln, dense, grey shales, weathered cherts, light staining, some fresh cherts, questionable shows, cavings from above? Gas Indication ??

Dolo, grey, xln, grey, marron, green shales, fresh sharp cherts

Dolo, light grey, xln, grey-green, some maroon shales, fresh off-white sharp chert.

Dolo, light grey, xln, grey shales, cherty in part.





Dolo, grey, light grey, xln, grey interbedded shales.

Dolo, light grey to grey, xln, grey-green, maroon shales, cherty in part.

Dolo, light grey, xln, traces of ls fragments, some green shales, traces of pyrite, traces of fresh chert.

Dolo, grey-light grey, xln, ls frags, scattered chert.

Shale, grey-green.

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

Shale, grey, slightly pyritic.

Shale, grey-dark grey, pyritic.

Shale, grey-black, carb.

Shale, grey-black, some coffee brown, carb.

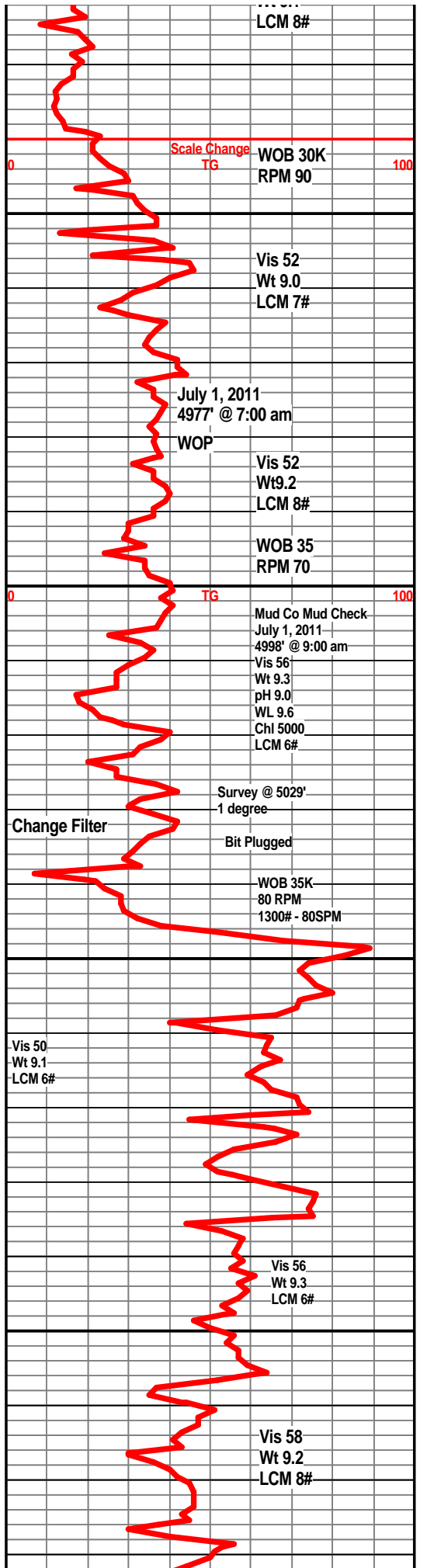
Sandstone, clear to light grey, SA, slightly friable, very few clusters, slight show light oil under UV, faint odor when crushed.
One psc ls with slight show and good flour.

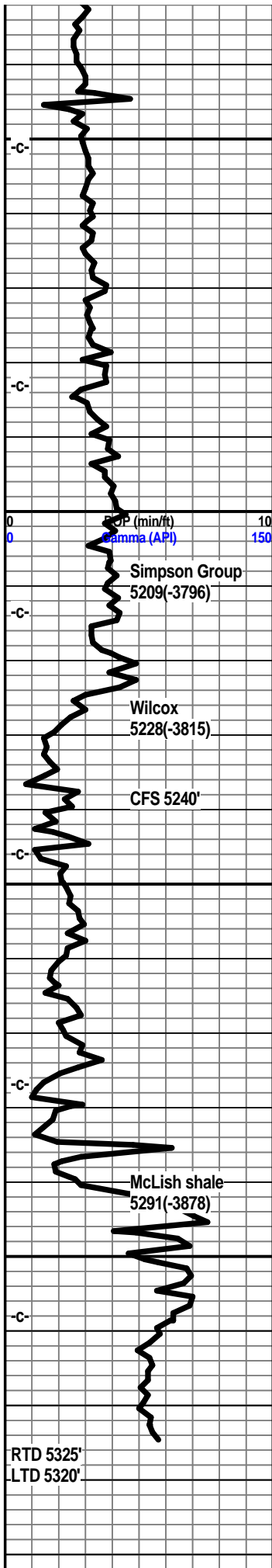
Dolo, light grey-white, xln, slightly chert, soft.

Dolo, grey-white, xln, fn grained, soft, trace chert

Limestone, cream, buff-white, xln, trace of off-white chert, no visible shows.

Limestone, cream to off-white, some tan, xln,





off-white cherts, succ texture, no visible shows, dull fluor.

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

Limestone, tan-white, fxln, dense, tan chert, slightly dolomitic.

Limestone, tan-white, fxln, dense, tan sharp chert, dolomitic in part.

Limestone, tan, tan-white, fxln dense, dolomitic, tan sharp cherts.

Sandstone, SA, grey, dolomitic, SA well cemented, no visible shows, very poor porosity, gil, glauc.

Shale, grey-green, firm.

Sandstone, clear to grey-white, some tan, sa to sr, friable in part, glauc., dolomitic in part, questionable light stain, no visible shows of fee oil or gas, no odor, no fluor.

Sandstone, clear to white, frosted qtz grains, SA to SR, friable in part, dolomitic in part, some well cemented, glauc, fair sorting, fair porosity, questionable scattered light brown staining, no vis shows.

Sandstone, a/a, some shale stringers.

Shale, grey-green, firm, traces of pyrite

Shale, green, firm, traces of pyrite.

