



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
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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: _____



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

October 21, 2011

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

Re: ACO1
API 15-007-23727-00-00
KEESECKER 2
NW/4 Sec.33-34S-11W
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. 042101

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge KS

DATE <u>06-23-11</u>	SEC <u>33</u>	TWP <u>34s</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH	
LEASE <u>Reesecker</u>	WELL # <u>2</u>	LOCATION <u>US 201 & Rattlesnake Rd, 2 1/2 E,</u>	COUNTY <u>Barber</u>	STATE <u>KS</u>				
OLD OR NEW (Circle one) <u>NEW</u>		South on g up R6 into						

CONTRACTOR <u>H-2 #3</u>	OWNER <u>Woolsey</u>	
TYPE OF JOB <u>Surface</u>	CEMENT	
HOLE SIZE <u>14 3/4</u>	T.D. <u>225'</u>	AMOUNT ORDERED <u>240 sk class A + 3% cc + 2% gel</u>
CASING SIZE <u>10 3/4</u>	DEPTH <u>208 + 12' 8 3/8"</u>	
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX <u>250</u>	MINIMUM	
MEAS. LINE	SHOE JOINT <u>N/A</u>	
CEMENT LEFT IN CSG. <u>20'</u>		
PERFS.		
DISPLACEMENT <u>19 3/4 Bbls Fresh H₂O</u>		
EQUIPMENT		
PUMP TRUCK	CEMENTER <u>D. Felix</u>	
# <u>360-265</u>	HELPER <u>J. Thimesch</u>	
BULK TRUCK		
# <u>364</u>	DRIVER <u>M. Thimesch</u>	
BULK TRUCK		
#	DRIVER	
COMMON <u>A 240</u>	@ <u>16.25</u>	<u>3900</u>
POZMIX	@	
GEL <u>5</u>	@ <u>21.25</u>	<u>106.25</u>
CHLORIDE <u>9</u>	@ <u>58.20</u>	<u>523.80</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>254</u>	@ <u>2.25</u>	<u>571.50</u>
MILEAGE <u>254 / 15 / 0.11</u>		<u>419.10</u>
		TOTAL <u>5520.65</u>

REMARKS:

Pipeon Btm Break Circ w/ truck, Mix 240 sk class A - 342 cement, Start Disp w/ Fresh H₂O, Saw Steady increase in PST, Slow Rate Stop Pump at 19 3/4 Bbls - total Disp, Shut in, Cement Did Circulate.

SERVICE

DEPTH OF JOB	<u>220'</u>	<u>1125.</u>
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE <u>30</u>	@ <u>7.</u>	<u>210</u>
MANIFOLD <u>N/A</u>	@	
<u>Light + Vehicle</u> <u>30</u>	@ <u>4</u>	<u>120</u>
	@	

CHARGE TO: Woolsey Oper.

STREET _____
CITY _____ STATE _____ ZIP _____

TOTAL 1455.

PLUG & FLOAT EQUIPMENT

<u>NONE</u>	@	
	@	
	@	
	@	
	@	
		TOTAL _____

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.

SALES TAX (If Any) _____

TOTAL CHARGES 6975.65

PRINTED NAME Randall Smith

DISCOUNT 20% IF PAID IN 30 DAYS

SIGNATURE Randall Smith

(Net 5580.52)

WELL FILE
Regulatory Correspondence
Workovers
Operations
Comp Tests / Meters

ALLIED CEMENTING CO., LLC. 040740

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Woolley

DATE 7-3-11	SEC 3.3	TWP. 34s	RANGE 11w	CALLED OUT	ON LOCATION	JOB START 6:30am	JOB FINISH 7:30am
LEASE <i>Woolley</i>	WELL# 2	LOCATION <i>Rothman Rd 2 1/2 E, Sinto</i>	COUNTY <i>Barber</i>	STATE <i>KS</i>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *H-2 R3 #3* OWNER *Woolley operating*

TYPE OF JOB *Production*

HOLE SIZE *7 7/8* T.D. *5325* CEMENT

CASING SIZE *5 1/2* DEPTH *5161'* AMOUNT ORDERED *75sk 60:40:4% sp. l*

TUBING SIZE DEPTH *150 sk Chest + 10% sp. l + 10% sp. l + 16% sp. l*

DRILL PIPE DEPTH *+ 8% Ft. 160 + 1/4" F/lossal 12 gal Clapno*

TOOL DEPTH

PRES. MAX *1700 psi* MINIMUM

MEAS. LINE SHOE JOINT *42'*

CEMENT LEFT IN CSG. *42'*

PERFS.

DISPLACEMENT *122 1/2 bbls 2% lcc*

EQUIPMENT

PUMP TRUCK CEMENTER <i>North American</i>	class H	150sk @ 19.25	2887.50
# 360/265 HELPER <i>Jason Wajnesch</i>	Cypseal	14sk @ 34.20	478.80
BULK TRUCK	Salt	17sk @ 23.95	407.15
# 421/252 DRIVER <i>Eddie / Ron Gilly</i>	Kalseal	900# @ .89	801.00
BULK TRUCK	FL-160	113# @ 17.00	1943.60
# DRIVER	FLSeal	37# @ 2.70	99.90
	Clapno	12gal @ 31.25	375.00
	HANDLING	201 @ 2.25	632.25
	MILEAGE	281 x 15 x .11	463.65
	TOTAL		9138.85

REMARKS:

*Back core with R3 pump ball through
mix 25sk Barbed hole mix 50sk scavenger
mix 150 sk cement shut down wash pump times
Release plug disp. 122 1/2 bbls 2% lcc
bump plug 1000 psi to 1700 psi*

CHARGE TO: *Woolley operating*
STREET _____
CITY _____ STATE _____ ZIP _____

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 THARP*
SIGNATURE *Mike Tharp*

COMMON	class A	45sk @ 16.25	731.25
POZMIX		30sk @ 8.50	255.00
GEL		3sk @ 21.00	63.75
CHLORIDE		@	
ASC		@	
class H		150sk @ 19.25	2887.50
Cypseal		14sk @ 34.20	478.80
Salt		17sk @ 23.95	407.15
Kalseal		900# @ .89	801.00
FL-160		113# @ 17.00	1943.60
FLSeal		37# @ 2.70	99.90
Clapno		12gal @ 31.25	375.00
		@	
		201 @ 2.25	632.25
		281 x 15 x .11	463.65
		TOTAL	9138.85

SERVICE

DEPTH OF JOB	5161'		
PUMP TRUCK CHARGE			2695.00
EXTRA FOOTAGE	@		
MILEAGE	30 @ 7.00		210.00
MANIFOLD, Headrental	@		200.00
Light Vehicle	30 @ 4.00		120.00
	@		
TOTAL			3225.00

PLUG & FLOAT EQUIPMENT

1-AFU curdeshore	@		349.00
1-latch day plug	@		277.00
20-curlches	@ 76		1520.00
11-tanks/ozers	@ 80.00		880.00
	@		
TOTAL			3026.00

SALES TAX (if Any) _____
TOTAL CHARGES *15389.05*
DISCOUNT _____ IF PAID IN 30 DAYS
12311.98

WELL FILE

Regulatory Correspondence
Orig Comp Workovers
Tests / Meters Operations

AUG 5 2011



DRILL STEM TEST REPORT

Woolsey Operating Company

Keesecker #2

125 N market ste 1000 Wichita Ks 67202-1729

33-34s-11w barber

Job Ticket: 16501

DST#: 1

ATTN: Scott Alberg

Test Start: 2011.06.30 @ 04:17:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:45:30

Time Test Ended: 15:55:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis/Jared S

Unit No: 3333-GB 130

Interval: 4660.00 ft (KB) To 4786.00 ft (KB) (TVD)

Reference Elevations: 1413.00 ft (KB)

Total Depth: 4706.00 ft (KB) (TVD)

1404.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8524

Inside

Press @ RunDepth: 1064.72 psia @ 4782.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.06.30

End Date: 2011.06.30

Last Calib.: 2011.06.30

Start Time: 04:18:00

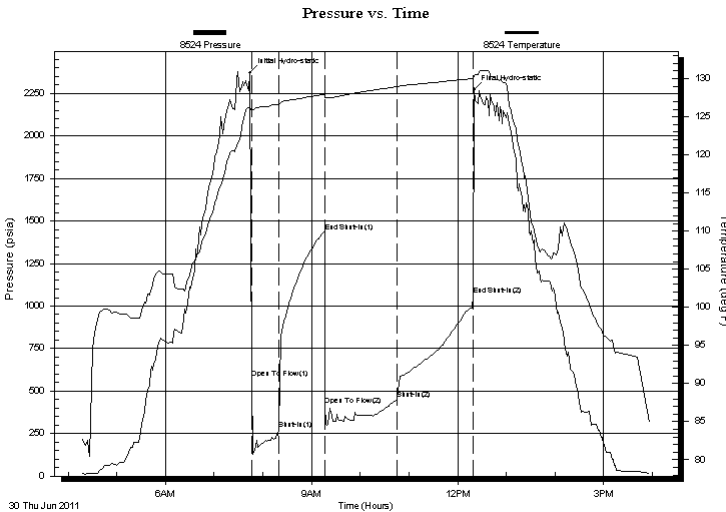
End Time: 15:56:30

Time On Btm: 2011.06.30 @ 07:44:30

Time Off Btm: 2011.06.30 @ 12:20:30

TEST COMMENT: 1st Open 30 Minutes Blow built 9 inches in bucket then died off
 1st Shut in 60 Minutes no blow
 2nd Open 60 Minutes Strong blow built to bottom of bucket in 2 minutes
 2nd Shut in 120 Minutes Very weak then died off

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2371.16	126.39	Initial Hydro-static
2	578.91	125.84	Open To Flow (1)
36	275.66	126.66	Shut-In(1)
92	1437.10	127.94	End Shut-In(1)
93	414.52	127.55	Open To Flow (2)
181	452.37	128.94	Shut-In(2)
275	1064.72	130.04	End Shut-In(2)
276	2272.34	130.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	Mud 80% Gas 20%	5.39

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Company

Keesecker #2

125 N market ste 1000 Wichita Ks 67202-1729

33-34s-11w barber

Job Ticket: 16501

DST#: 1

ATTN: Scott Alberg

Test Start: 2011.06.30 @ 04:17:00

Tool Information

Drill Pipe:	Length: 4407.00 ft	Diameter: 3.80 inches	Volume: 61.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 63.00 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4660.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	126.00 ft			
Tool Length:	149.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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SHut-InTool	5.00		Inside	4642.00	
Hydraulic Tool	5.00			4647.00	
Jars	6.00			4653.00	
Safety Joint	2.00			4655.00	
Packer	5.00			4660.00	23.00 Bottom Of Top Packer
Anchor	24.00			4684.00	126.00 Tool Interval
Packer	5.00			4689.00	
Change Over Sub	0.75			4689.75	
Drill Pipe	90.50		Outside	4780.25	
Change Over Sub	0.75		Outside	4781.00	
Anchor	0.00			4781.00	
Recorder	1.00	8524	Inside	4782.00	
Recorder	1.00	8525	Outside	4783.00	
Bullnose	3.00			4786.00	1000148.00 Bottom Packers & Anchor

Total Tool Length: 149.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company

Keesecker #2

125 N market ste 1000 Wichita Ks 67202-1729

33-34s-11w barber

Job Ticket: 16501

DST#: 1

ATTN: Scott Alberg

Test Start: 2011.06.30 @ 04:17:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
540.00	Mud 80% Gas 20%	5.388

Total Length: 540.00 ft Total Volume: 5.388 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8524

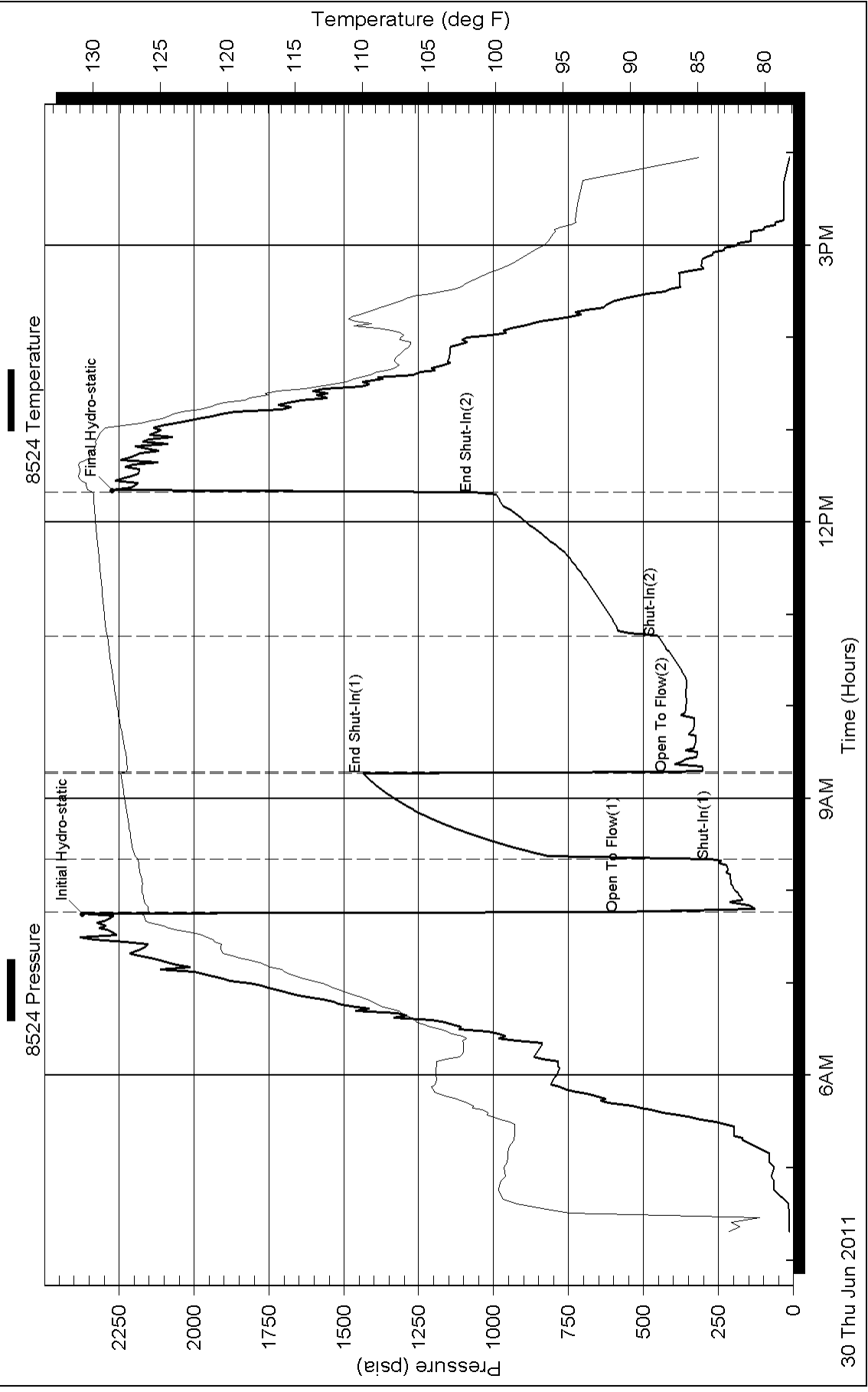
Inside

Woolsey Operating Company

33-34s-11w barber

DST Test Number: 1

Pressure vs. Time





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


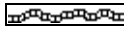
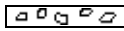
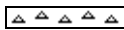
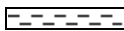








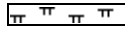

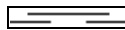







ISIP 1518 FSIP 1092

(The results from this test are highly questionable)














































































CREWS

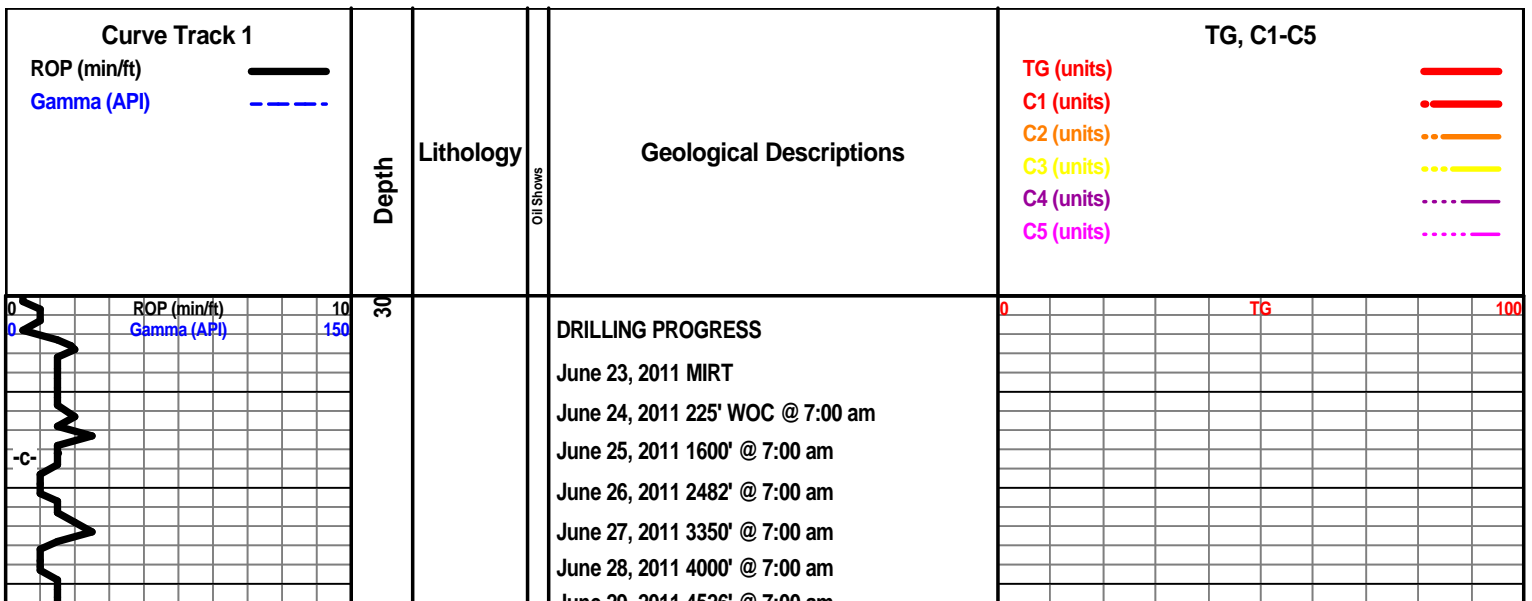
H2 Drilling Rig #3
 Tool Pusher - Randy Smith
 Drillers - Gary Axtell
 Luis Marquez
 Cain Charles

ROCK TYPES

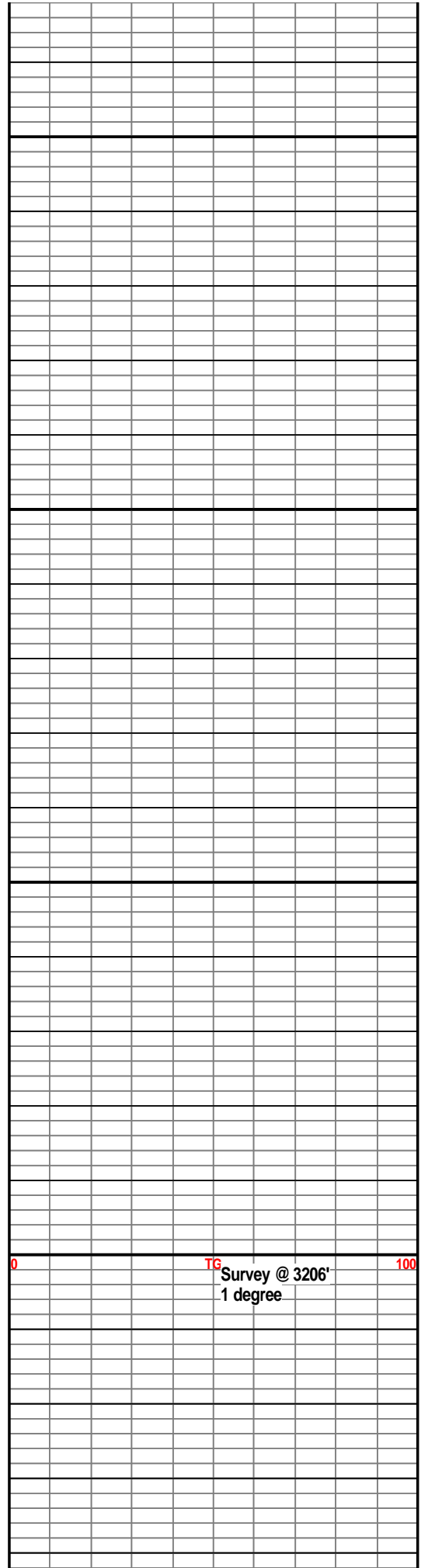
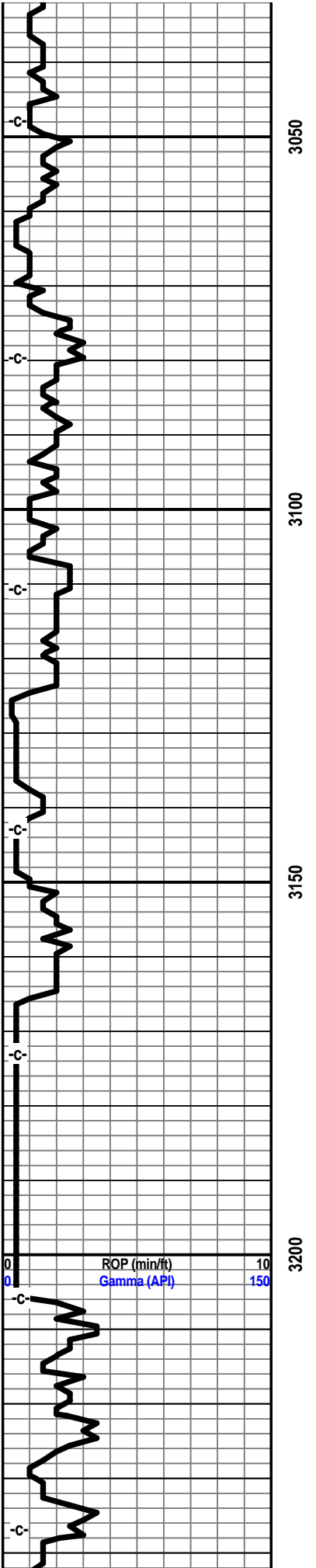
 Anhy  Bent  Brec  Cht  Clyst  Coal	 Congl  Sdy dolo  Shy dolo  Dol  Gyp  Sdy lmst	 Lmst  Mrlst  Salt  Shale  Sltst  Ss	 Black sh  Gry sh  Shale  Shyslstst  Sltysh
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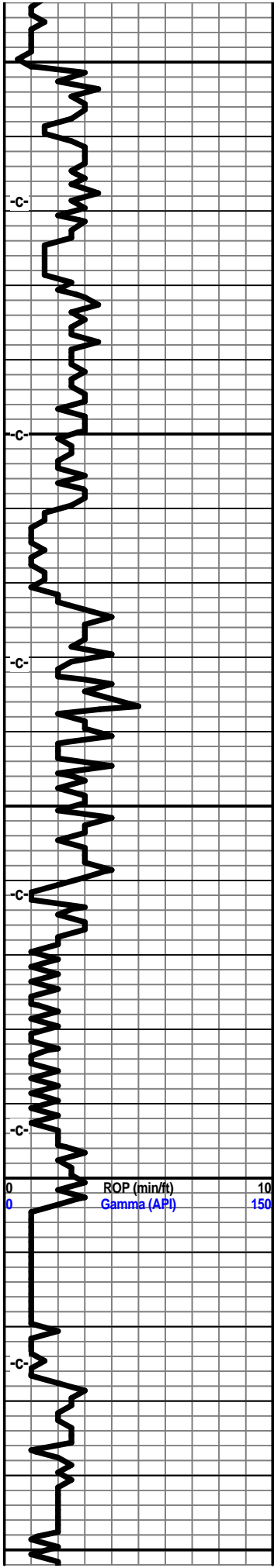
ACCESSORIES

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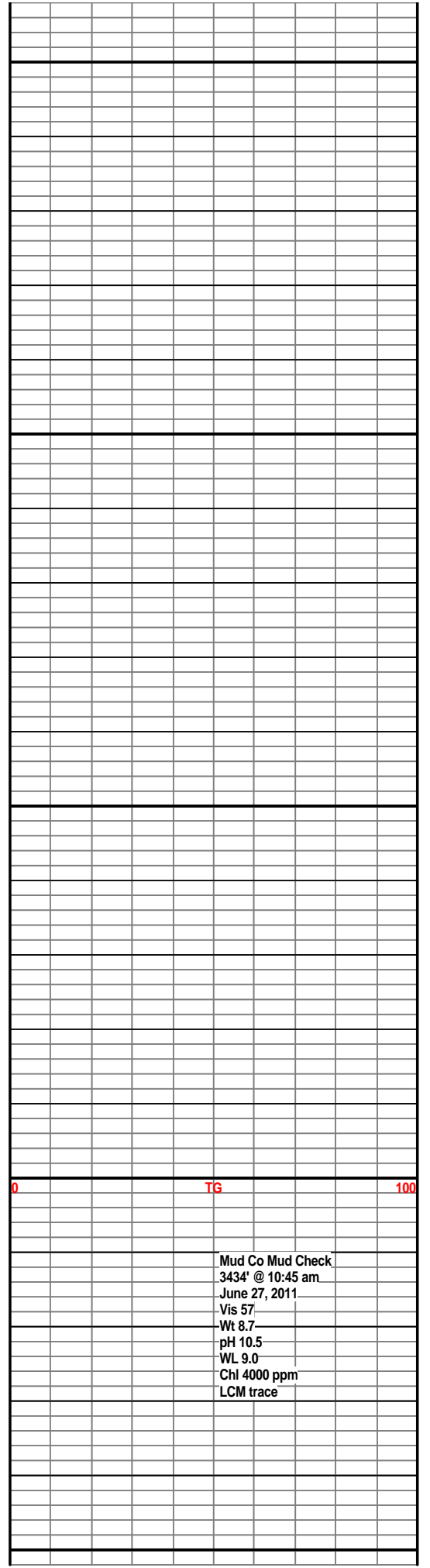
June 29, 2011 4920' @ 7:00 am
June 30, 2011 4786' @ 7:00 am
July 1, 2011 4977' @ 7:00 am
July 2, 2011 5325' @ 7:00 am

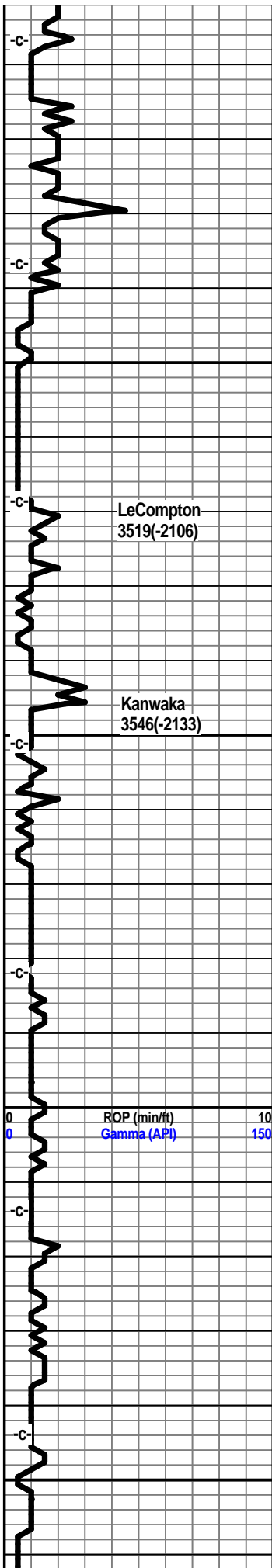




3450
3400
3350
3300
3250

0 100





3500

3550

3600

3650



Survey 3457'
3/4 degree

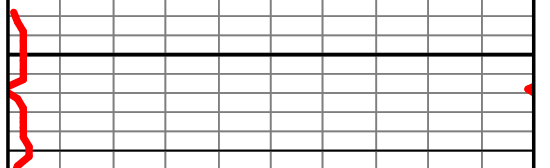
June 27, 2011
Geologist on
Location 3544'
@ 2:04 pm

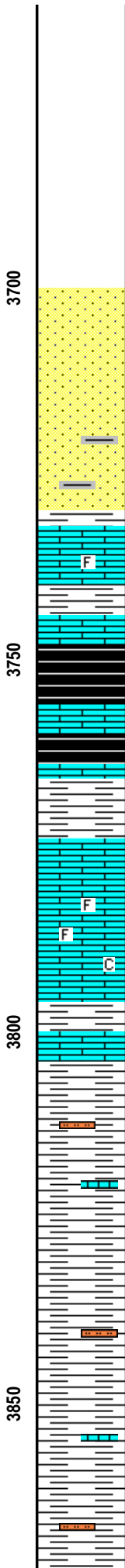
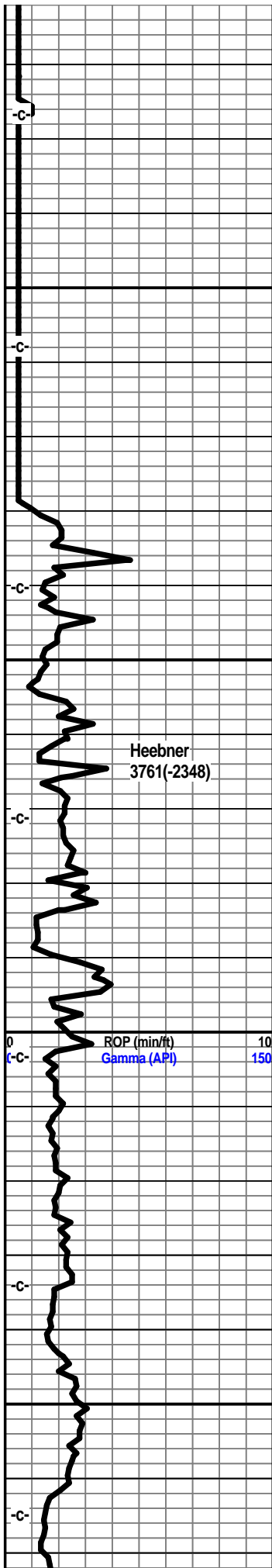
Start Gas Detector

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.

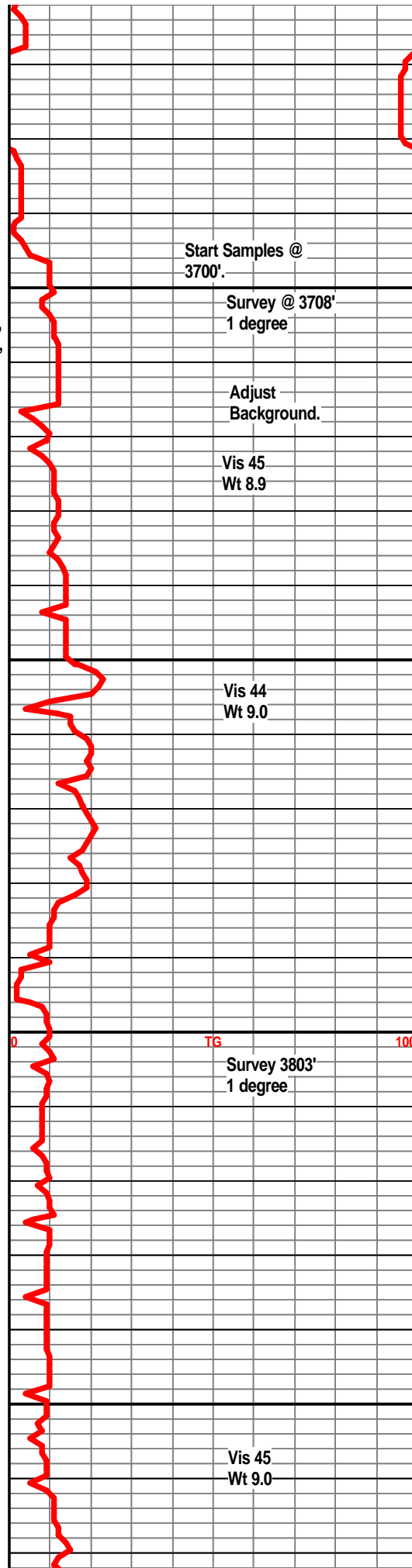
Limestone, cream, buff-white, fxln, foss., foss porosity, subchalky in part, no visible shows.

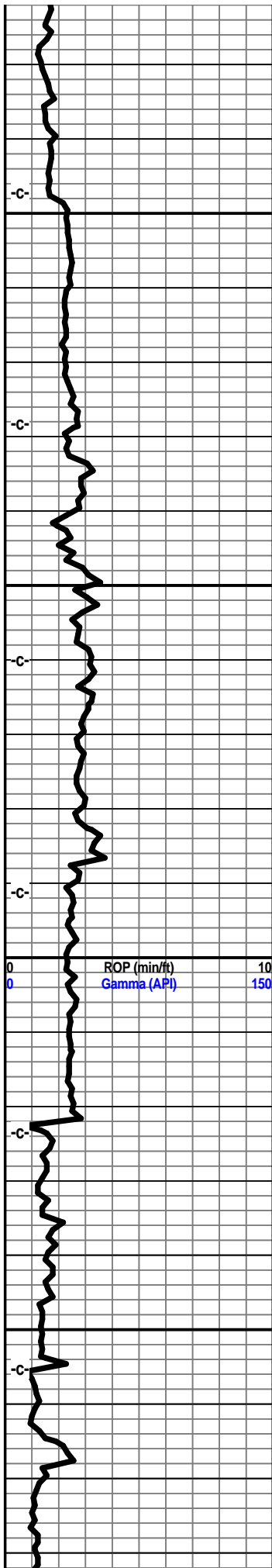
Limestone, tan-brown, xln dense, slightly foss.

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.

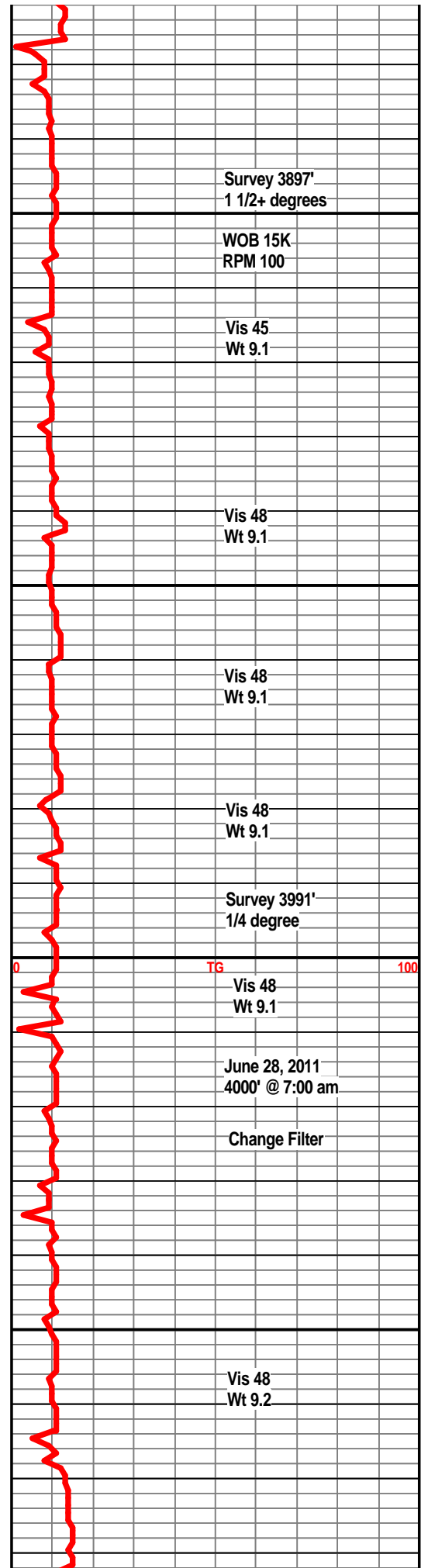
Shale, light grey, grey, silty, sst and ls stringers.

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

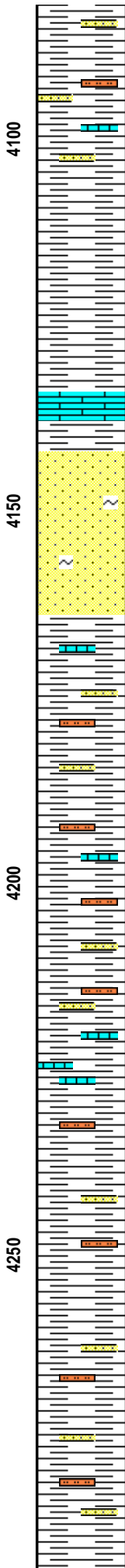
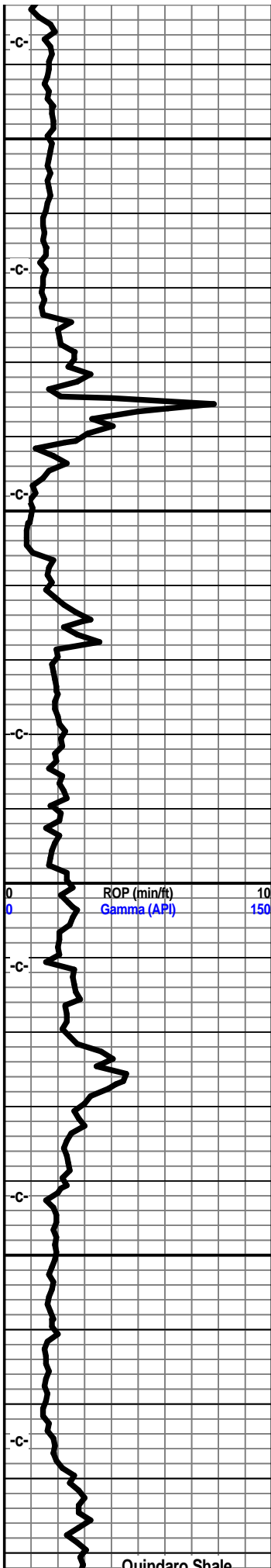
Survey 3991'
1/4 degree

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.

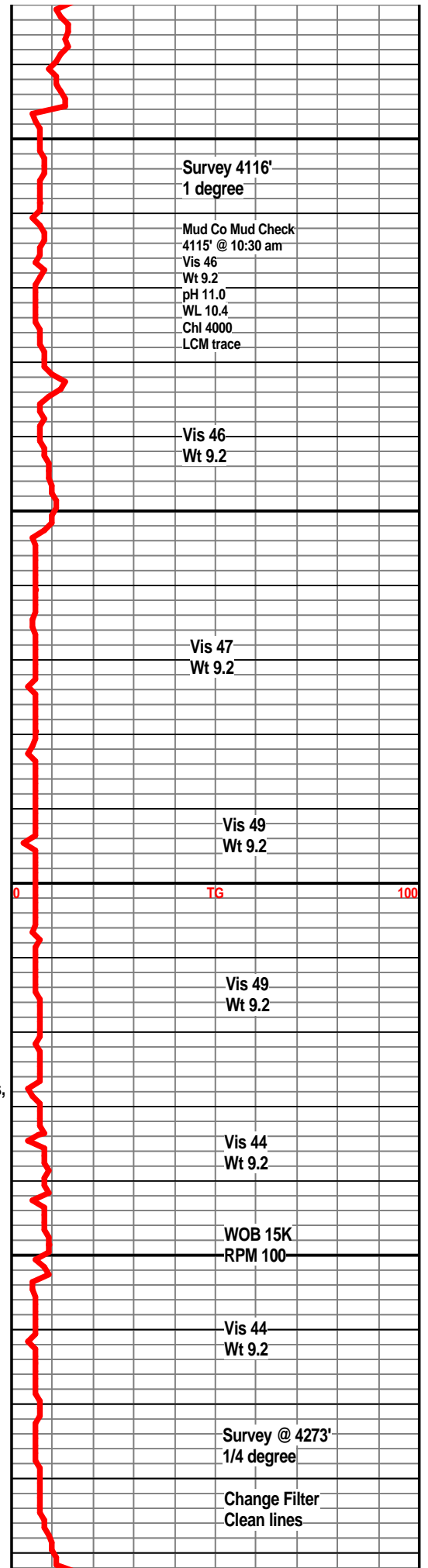
Shale, grey silty to sandy.

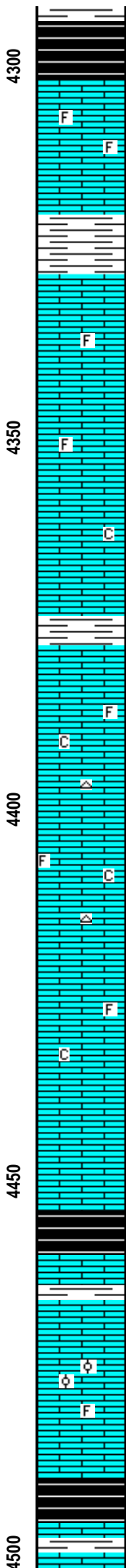
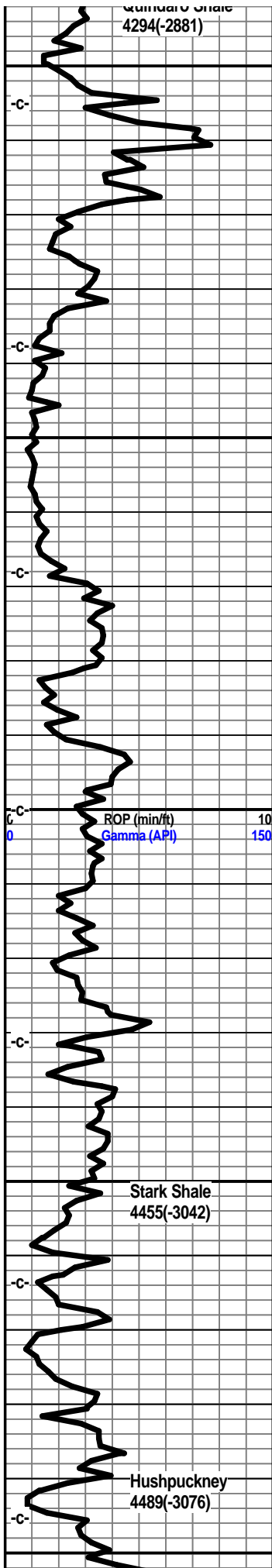
Shale, light grey, silty, some tan-brown ls, foss, dense.

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

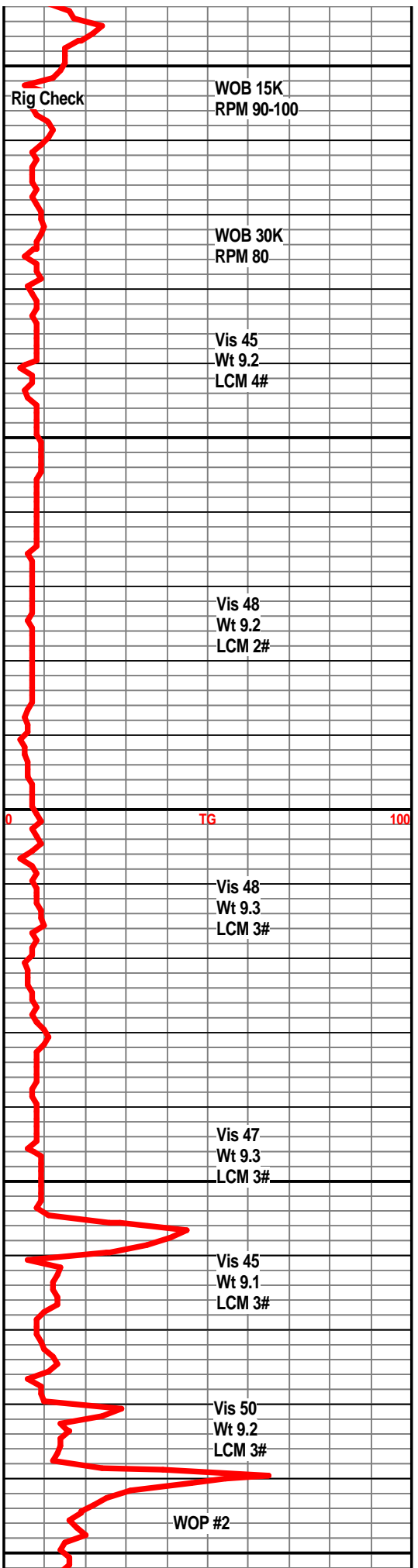
Shale, light grey, grey, silty to sandy.

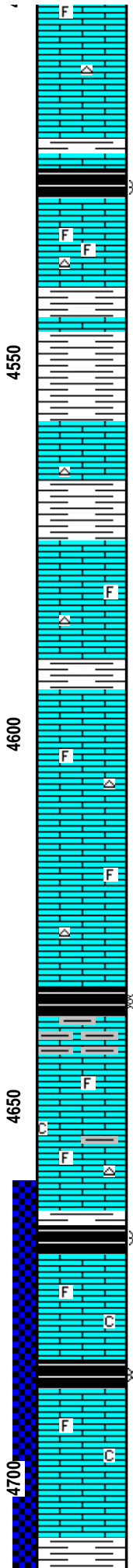
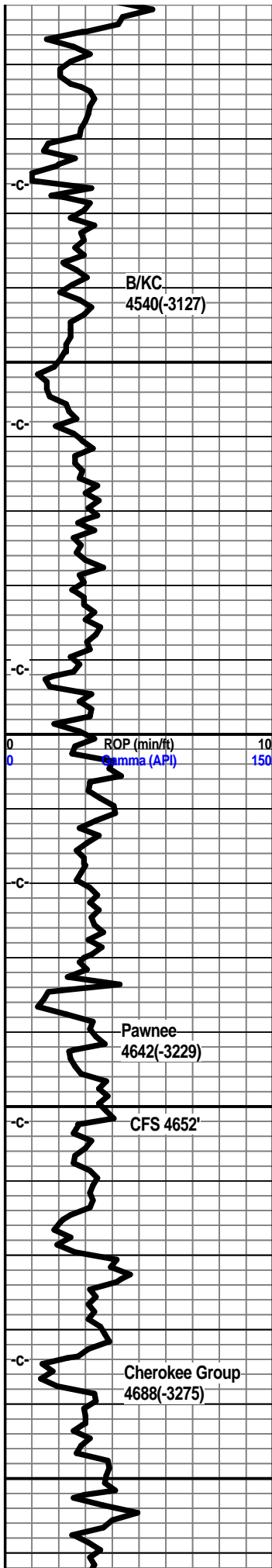
Shale, grey, silty to sandy.





4300 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.

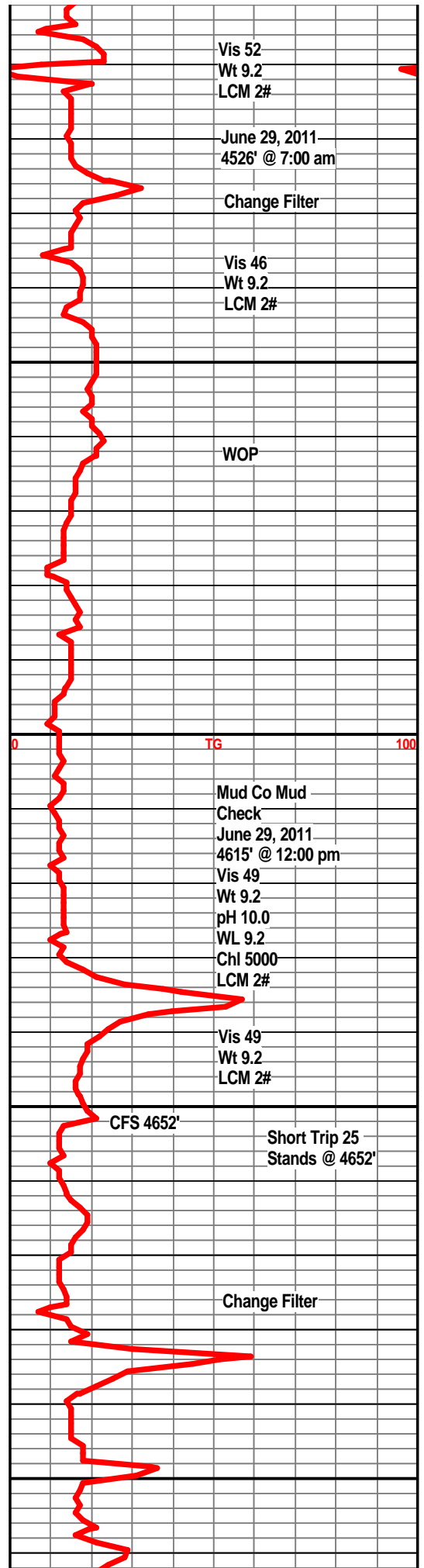
Limestone, cream, tan-white, fxln, traces of xln porosity, slightly foss., dull mineral fluor., no visible shows, no odor.

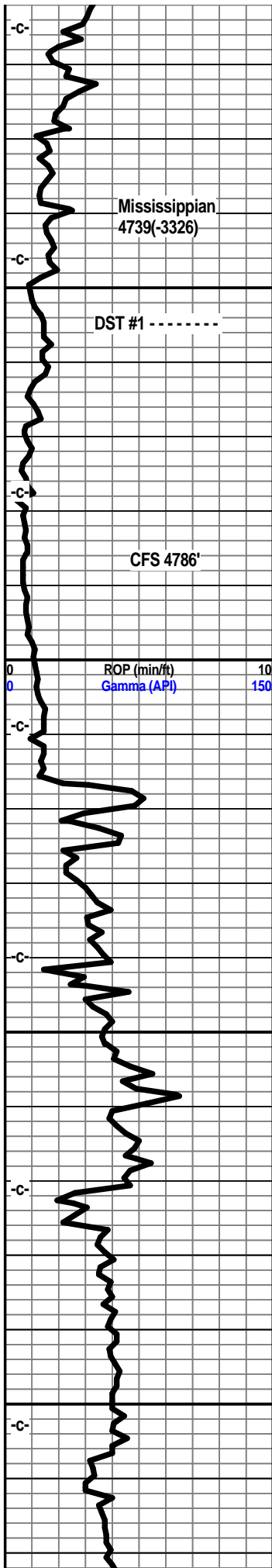
Shale, grey-black, slightly carb.

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.

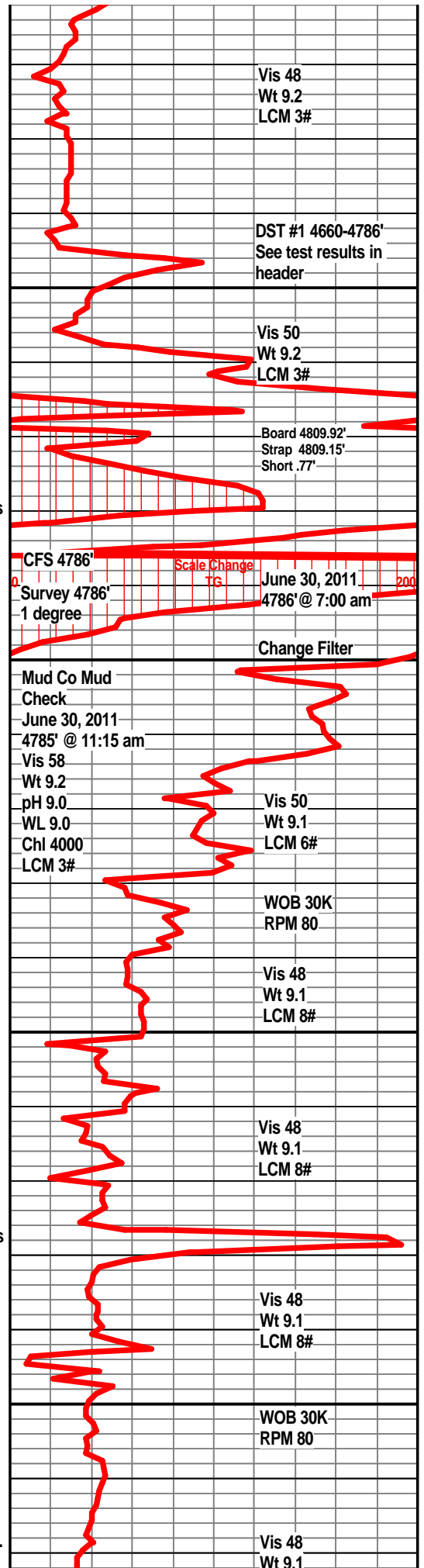
Dolo, grey to darker grey, xln, shaley, grey shales, some weathered cherts with light staining.

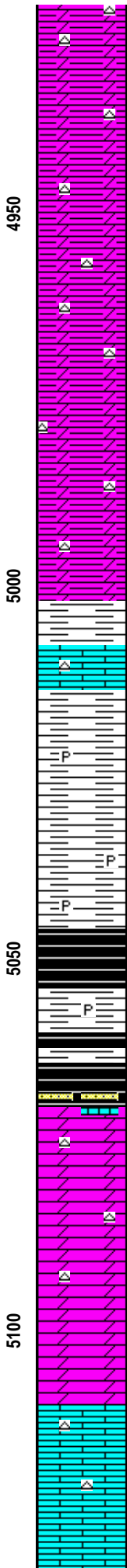
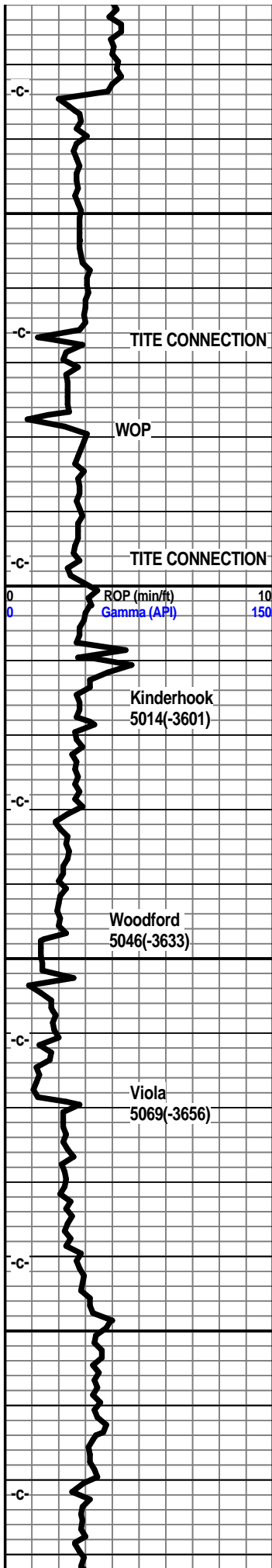
Dolo, grey, xln, dense, grey shales, weathered cherts, light staining, some fresh cherts, questionable shows, cavings from above? Gas Indication ??

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.

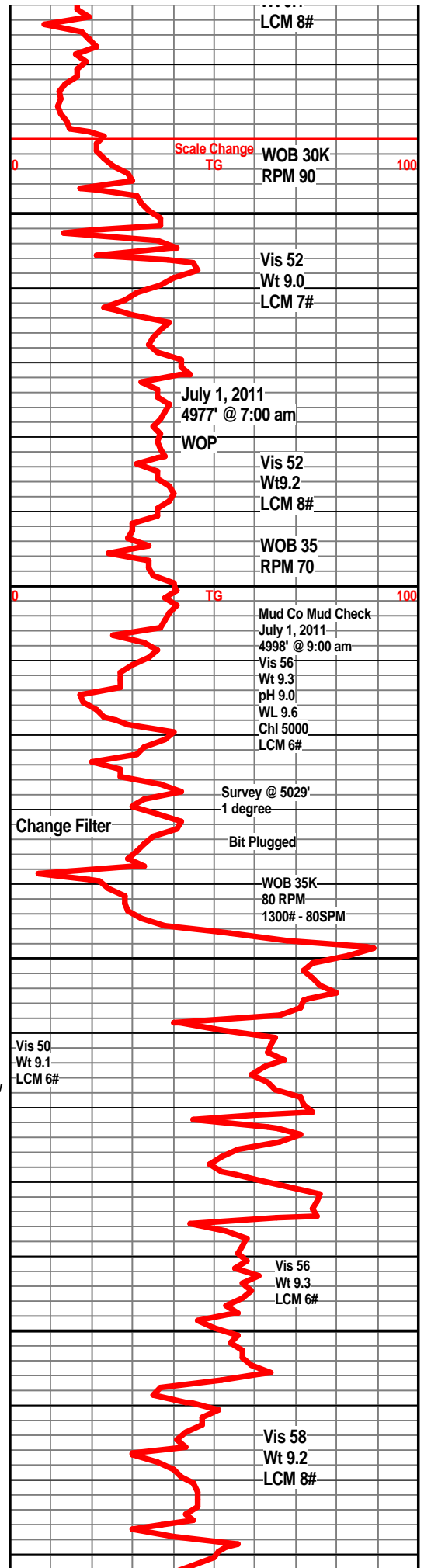
Sandstone, clear to light grey, SA, slightly friable, very few clusters, slight show light oil under UV, faint odor when crushed.
One psc ls with slight show and good flour.

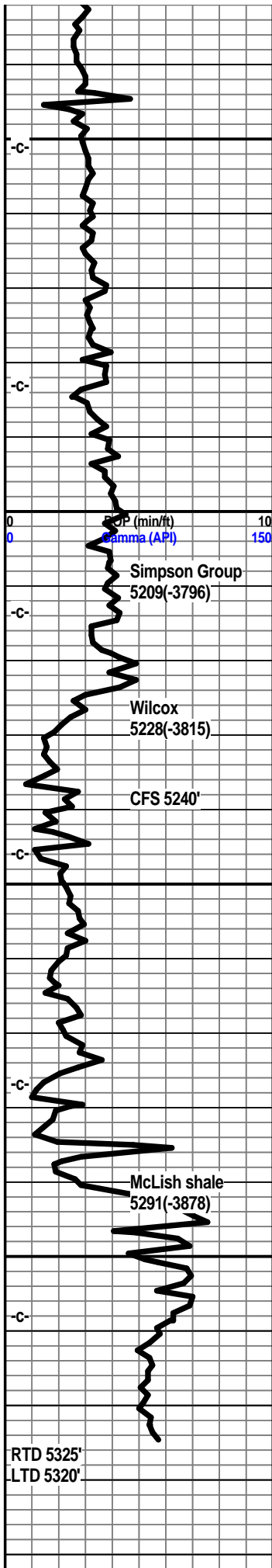
Dolo, light grey-white, xln, slightly chert, soft.

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.

