



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

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: _____



1063607

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	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

September 19, 2011

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

Re: ACO1
API 15-007-23708-00-00
SPICER GU C 3
SW/4 Sec.28-33S-10W
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. 037205

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

~~5-23-2011~~
Great Bend KS

DATE <u>5-23-2011</u>	SEC. <u>28</u>	TWP. <u>33S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 PM</u>	JOB FINISH <u>12:15 AM</u>
LEASE <u>Spice "C"</u>	WELL # <u>60#3</u>	LOCATION <u>Hazelton KS, 4N, 1/2W,</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>N/in To</u>				

CONTRACTOR H-2 #3

TYPE OF JOB Surface

HOLE SIZE 14 3/4 T.D. 215 FT

CASING SIZE 10 3/4 DEPTH 211.80

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 215 FT

TOOL _____ DEPTH _____

PRES. MAX 300 PSI MINIMUM _____

MEAS. LINE _____ SHOE JOINT 15 FT

CEMENT LEFT IN CSG. 15 FT

PERFS. _____

DISPLACEMENT Fresh Water 19 3/4

OWNER Woolsey

CEMENT

AMOUNT ORDERED 240sx Class A + 3% cc + 2% Gel

COMMON	<u>240</u>	@	<u>16.25</u>	<u>3900.00</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>2548 20 x .11</u>			<u>558.80</u>
				TOTAL <u>5.660.35</u>

WELL FILE

Regulatory Correspondence

Drig Comp Workovers

Tests / Meters Operations

EQUIPMENT

PUMP TRUCK CEMENTER David W.

366 HELPER Greg R.

BULK TRUCK

341 DRIVER Kevin W.

BULK TRUCK

_____ DRIVER _____

REMARKS:

Pipe on Bottom Break and
Mix 240sx Class A + 3% cc +
2% Gel Displace with 19 3/4
BBls Fresh water shot in
Cement did dip
Wash up Rig Down.

CHARGE TO: Woolsey

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>211 FT</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE <u>Truck</u>	<u>40</u>	@	<u>7.00</u> <u>280.00</u>
MANIFOLD		@	
<u>High Pressure</u>	<u>40</u>	@	<u>4.00</u> <u>160.00</u>
		@	
TOTAL <u>1565.00</u>			

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
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.

PRINTED NAME & MIKE THARP

SIGNATURE & Mike Tharp

Thank you!

SALES TAX (If Any) _____

TOTAL CHARGES ~~5660.35~~

DISCOUNT ~~1000.00~~ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 040208

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge, KS

DATE <u>6-1-2011</u>	SEC. <u>28</u>	TWP. <u>33s</u>	RANGE <u>10W</u>	CALLED OUT <u>5:00 PM</u>	ON LOCATION <u>8:00 AM</u>	JOB START <u>1:00 PM</u>	JOB FINISH <u>1:45 PM</u>
SP. CAR C LEASE <u>60</u>		WELL # <u>3</u>		LOCATION <u>Sharon, KS South on Tri</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				CITY RD to KOC, 1/2 W, N 1/4			

CONTRACTOR H2 #3
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5100'
 CASING SIZE 5 1/2 DEPTH 4971'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 35'
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 116 bbls of 2% KCL water

OWNER Woolsey Operating
 CEMENT
 AMOUNT ORDERED 75s x 60' 40' 4% 6-1
130s x Class H + 10% Exp + 10% SSF
6# Kalsec + .8% FL160 + 1/4# floseal

EQUIPMENT

PUMP TRUCK CEMENTER Derin F.
 # 352 HELPER Dave F.
 BULK TRUCK
 # 363-290 DRIVER Bobby W.
 BULK TRUCK
 # DRIVER

COMMON <u>A</u>	<u>45 sx</u>	@ <u>16.25</u>	<u>731.25</u>
POZMIX	<u>30 sx</u>	@ <u>8.50</u>	<u>255.00</u>
GEL	<u>3 sx</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE		@	
ASC		@	
<u>Class H</u>	<u>130 sx</u>	@ <u>19.25</u>	<u>2502.50</u>
<u>Gypseal</u>	<u>13 sx</u>	@ <u>34.20</u>	<u>444.60</u>
<u>Salt</u>	<u>14 sx</u>	@ <u>23.95</u>	<u>335.30</u>
<u>Kalsec</u>	<u>780#</u>	@ <u>.89</u>	<u>694.20</u>
<u>FL-160</u>	<u>97.76#</u>	@ <u>17.20</u>	<u>1681.47</u>
<u>floseal</u>	<u>32.50</u>	@ <u>2.70</u>	<u>87.75</u>
<u>Clappr</u>	<u>12 Gals</u>	@ <u>31.25</u>	<u>375.00</u>

REMARKS

Regulatory Correspondence
 Drig / Comp Workovers
 / Meters Operations

HANDLING 250 @ 2.25 562.50
 MILEAGE 15/250/.11 412.50
TOTAL 8145.82

Pipe on bottom & break circulation, mix 25s for Pethole, mix 50s of sevens cement, mix 130s of tail cement, shut down wash pump & lines, Release plug, Start displacement, Lift pressure at 85 bbls, slow rate to 3 bpm at 105 bbls, bump plus at 116 bbls 1,000-1,500 psi, flow & hold

SERVICE

DEPTH OF JOB	<u>4971'</u>		
PUMP TRUCK CHARGE			<u>2695.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>30</u>	@ <u>7.00</u>	<u>210.00</u>
MANIFOLD		@	
	<u>Hesarents</u>	@	<u>200.00</u>
	<u>Light vehicle 30</u>	@ <u>4.00</u>	<u>120.00</u>

CHARGE TO: Woolsey Operating
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 3225.00

PLUG & FLOAT EQUIPMENT

	<u>5 1/2</u>		
1- AFU Float Shoe		@	<u>349.00</u>
1- Latch Down Plug		@	<u>277.00</u>
11- Turbolizers		@ <u>80.00</u>	<u>880.00</u>
20- Scratches		@ <u>76.00</u>	<u>1520.00</u>

TOTAL 3026.00

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 ~~3225.00~~
 DISCOUNT ~~3225.00~~ IF PAID IN 30 DAYS

PRINTED NAME X MIKE THARO
 SIGNATURE X Mike Tharo
Thank you!!!



DRILL STEM TEST REPORT

TOOL DIAGRAM

WO OPERATING COOLSEY CO

SPICER GU C-3 #1

125 NORTH MARKET STE 1000

28-33-10 BARBER

Job Ticket: 15812

DST#: 1

ATTN: SCOTT ALBERG

Test Start: 2011.05.29 @ 12:08:00

Tool Information

Drill Pipe:	Length: 4215.00 ft	Diameter: 3.80 inches	Volume: 59.13 bbl	Tool Weight:	1000.00 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:	lb
			<u>Total Volume: 60.31 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	6000.00 lb
Depth to Top Packer:	4474.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	121.00 ft				
Tool Length:	150.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: GAS TO SUFACE 2ND OPEN SEE GAS REPORT

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4446.00	
Shut-In Tool	5.00			4451.00	
Hydroic Tool	5.00			4456.00	
Jars	6.00			4462.00	
Safety Joint	2.00			4464.00	
Packer	5.00			4469.00	29.00 Bottom Of Top Packer
Packer	5.00			4474.00	
Perforations	0.00			4474.00	
Change Over Sub	0.75			4474.75	
Drill Pipe	94.50			4569.25	
Change Over Sub	0.75			4570.00	
Perforations	20.00			4590.00	
Recorder	1.00	6663	Inside	4591.00	
Recorder	1.00	6666	Outside	4592.00	
Bullnose	3.00			4595.00	121.00 Bottom Packers & Anchor

Total Tool Length: 150.00



DRILL STEM TEST REPORT

FLUID SUMMARY

WO OPERATING COOLSEY CO

SPICER GU C-3 #1

125 NORTH MARKET STE 1000

28-33-10 BARBER

Job Ticket: 15812

DST#: 1

ATTN: SCOTT ALBERG

Test Start: 2011.05.29 @ 12:08:00

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: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 12.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	GASSY MUD 20% GAS 80% MUD	0.074
120.00	GASSY MUD 20% GAS 80% MUD	0.590
120.00	OIL CUT WATERY MUD 15%OIL70%MUD15%	0.727
120.00	SLIGHTLY GASSY OIL CUT MUDDY WATER	1.683
0.00	10%GAS10%OIL50%MUD30%WATER	0.000
0.00	CHLORIDES 28000	0.000

Total Length: 375.00 ft

Total Volume: 3.074 bbf

Num Fluid Samples: 0

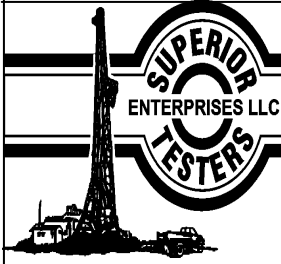
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GAS TO SURFACE 2ND OPEN SEE GAS REPORT /CHLORIDES 28000



DRILL STEM TEST REPORT

GAS RATES

WO OPERATING COOLSEY CO

SPICER GU C-3 #1

125 NORTH MARKET STE 1000

28-33-10 BARBER

ATTN: SCOTT ALBERG

Job Ticket: 15812

DST#: 1

Test Start: 2011.05.29 @ 12:08:00

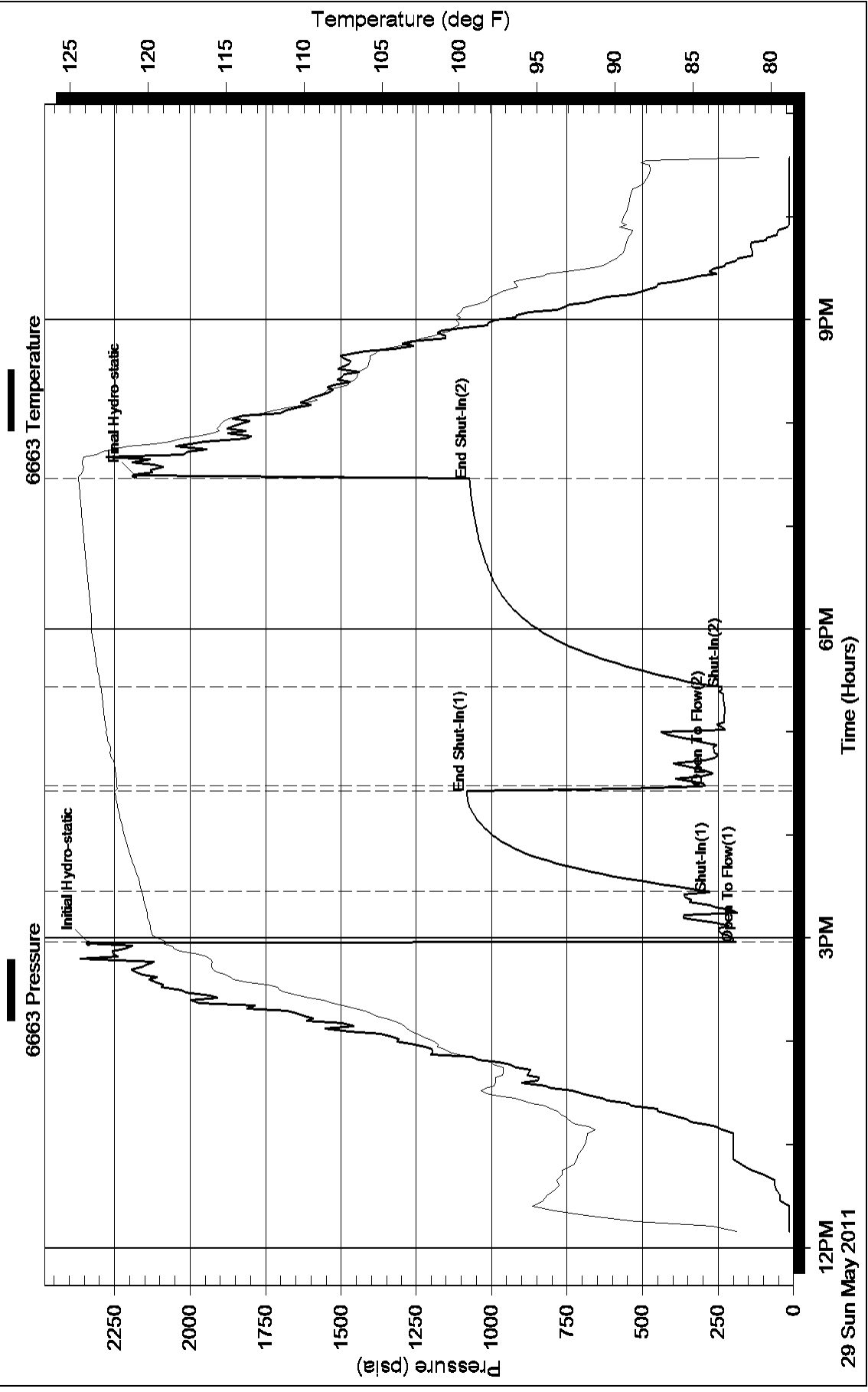
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	0.50	3.70	24.96
2	20	0.50	4.20	28.33
2	30	0.50	4.20	28.33
2	40	0.50	5.10	34.40
2	50	0.50	5.10	34.40

Pressure vs. Time





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

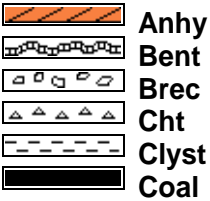
Tool Pusher - Randy Smith

Drillers - Gary Axtell

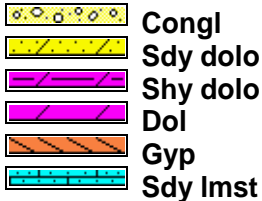
Luis Marquez

Cain Charles

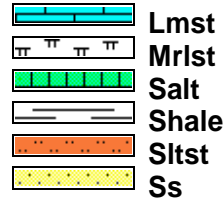
ROCK TYPES



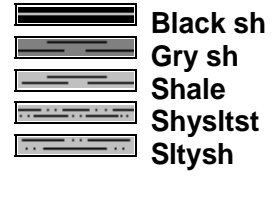
Anhy
Bent
Brec
Cht
Chtlt
Clyst
Coal



Congl
Sdy dolo
Shy dolo
Dol
Gyp
Sdy lmst



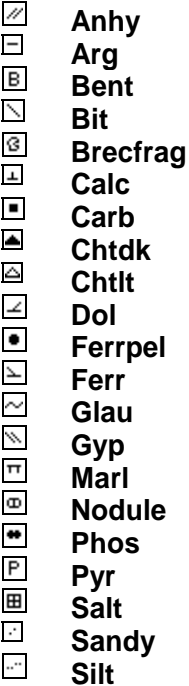
Lmst
Mrlst
Salt
Shale
Sltst
Ss



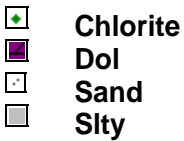
Black sh
Gry sh
Shale
Shysltst
Sltysht

ACCESSORIES

MINERAL

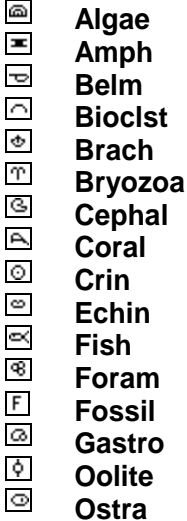


Anhy
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Ferrpel
Ferr
Glau
Gyp
Marl
Nodule
Phos
Pyr
Salt
Sandy
Silt

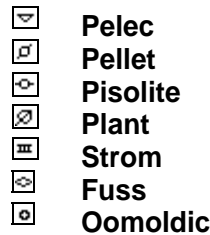


Chlorite
Dol
Sand
Sltly

FOSSIL

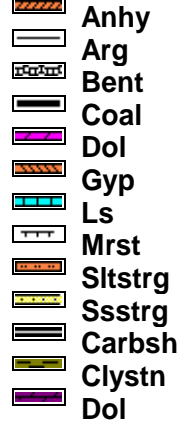


Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Gastro
Oolite
Ostra



Pelec
Pellet
Pisolite
Plant
Strom
Fuss
Oomoldic

STRINGER

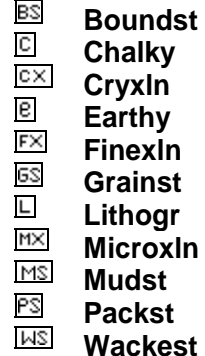


Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Sltstgr
Ssstgr
Carbsh
Clystn
Dol

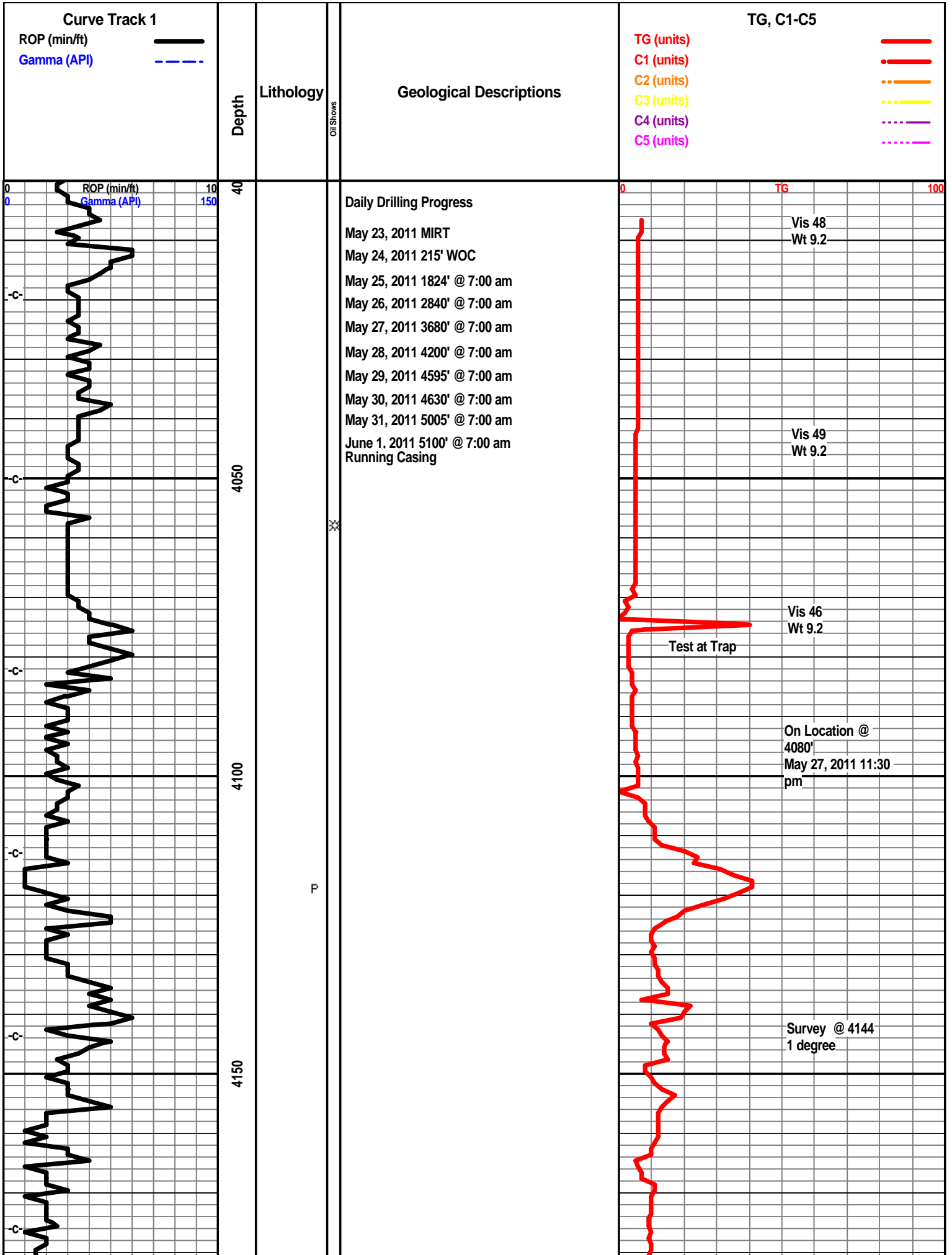


Grysh
Gryslt
Lms
Sandylms
Sh
Sltstn

TEXTURE

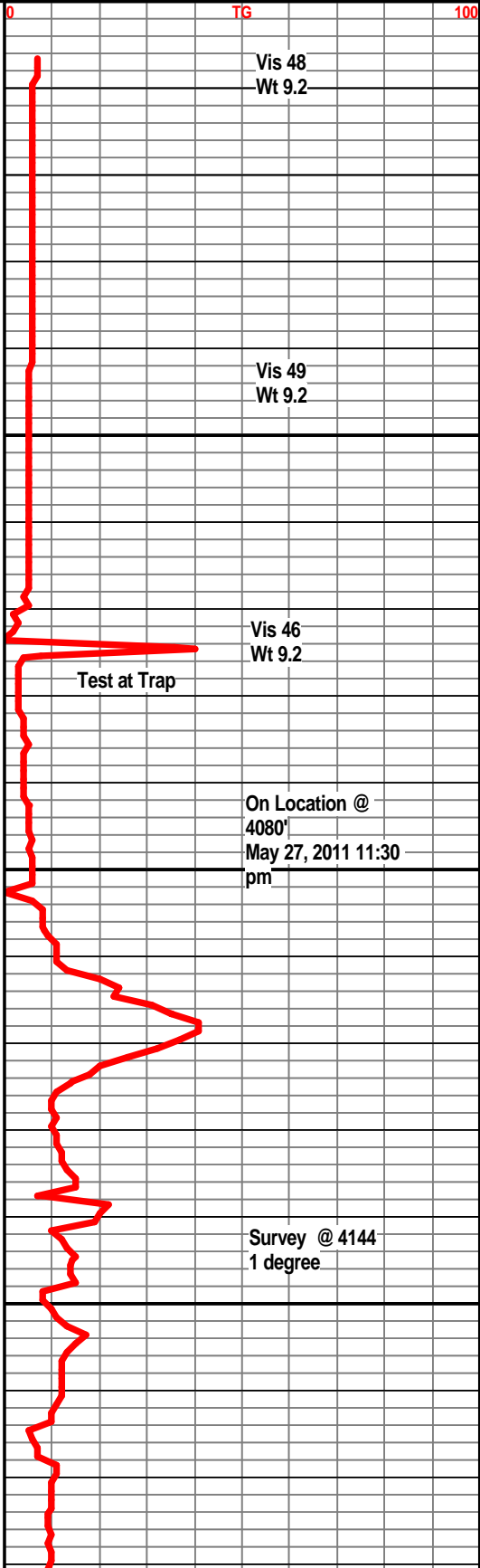


Boundst
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest



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



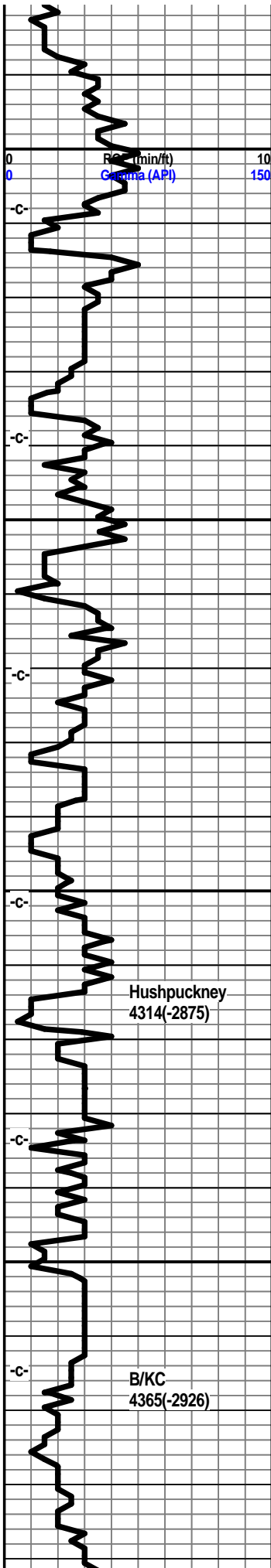
Vis 48
Wt 9.2

Vis 49
Wt 9.2

Test at Trap

On Location @
4080'
May 27, 2011 11:30
pm

Survey @ 4144
1 degree



4200

4250

4300

4350



Shale, grey-black, carb.

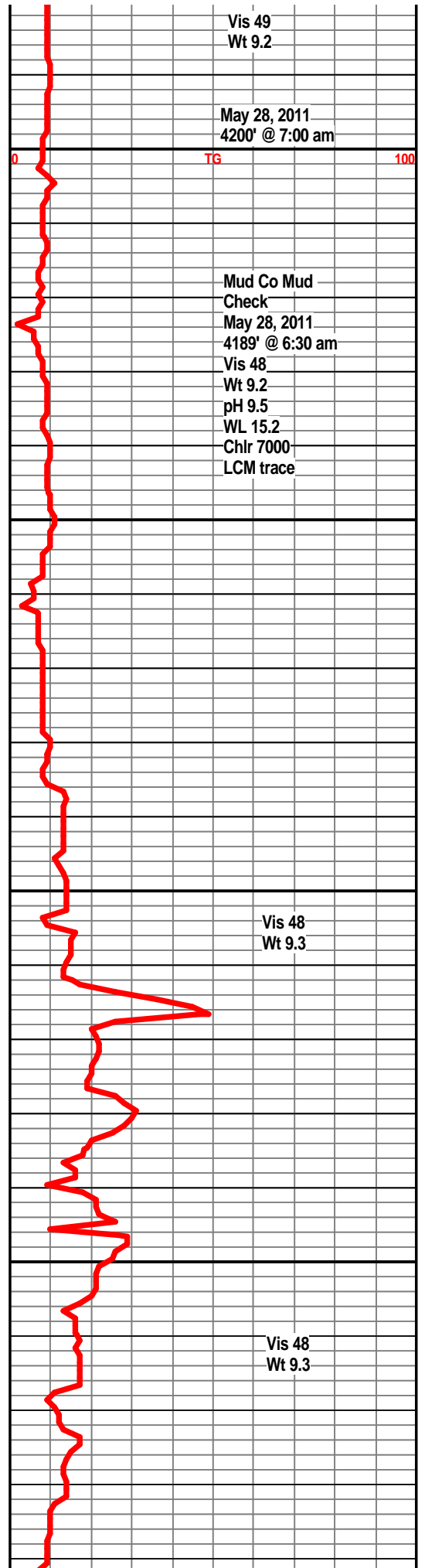
Limestone, cream, tan-brwon, xln, subchalky, foss fragments, slightly oolitic, no visible shows.

Shale, grey-black, slightly carb.

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

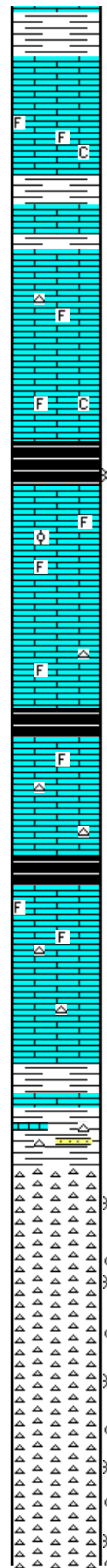
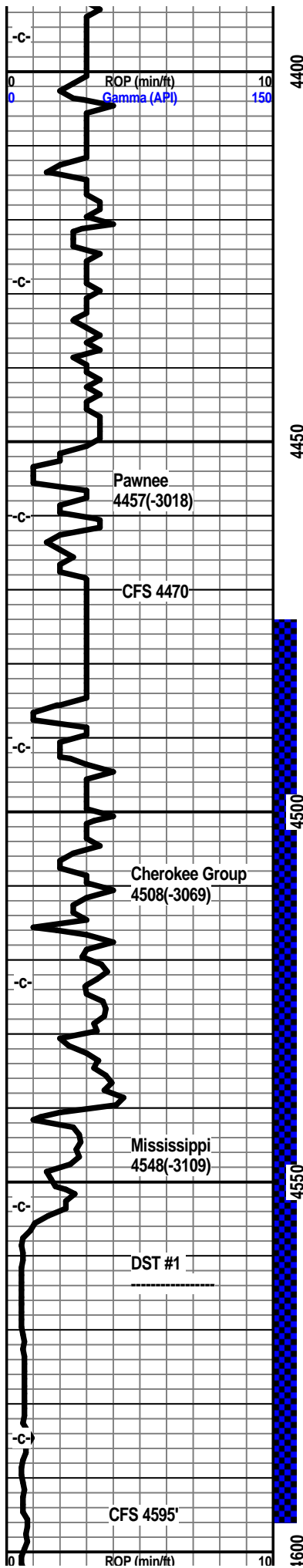
Shale, light grey, silty.

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



0

100



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.

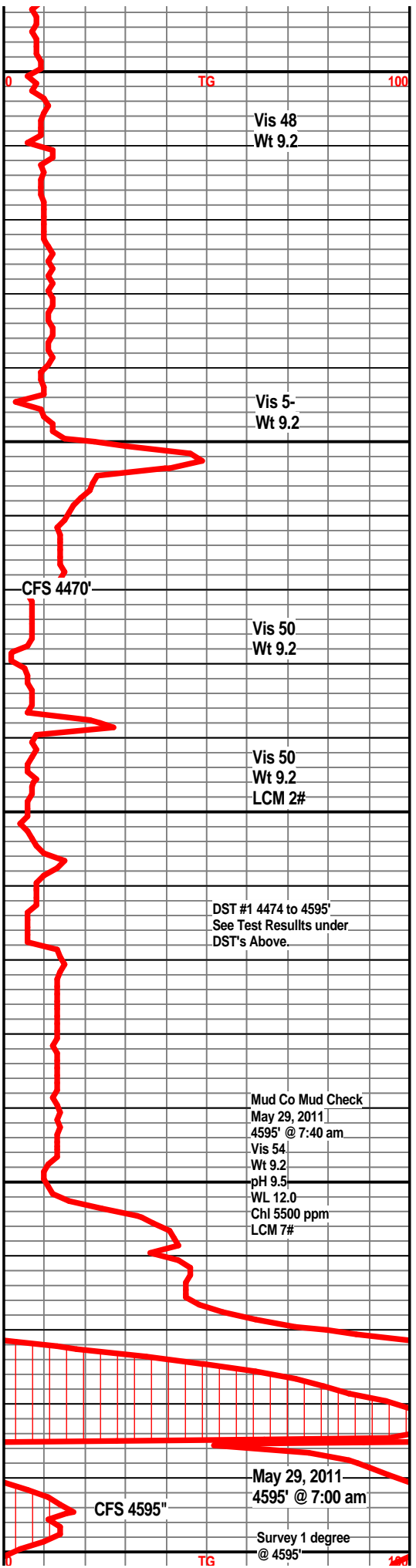
Chert, white to off-white, tan, some tan ls, weathered, pp porosity, some scattered small vugs, light brown staining, faint odor, slight show gas & oil, dull fluor.

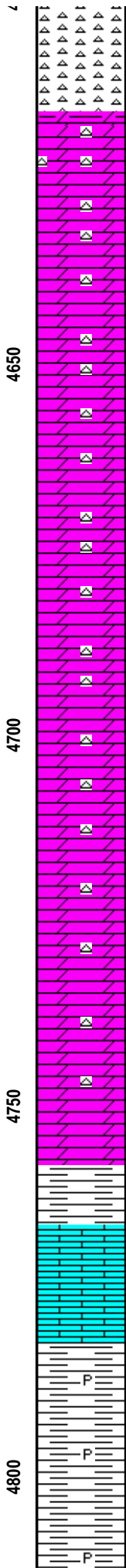
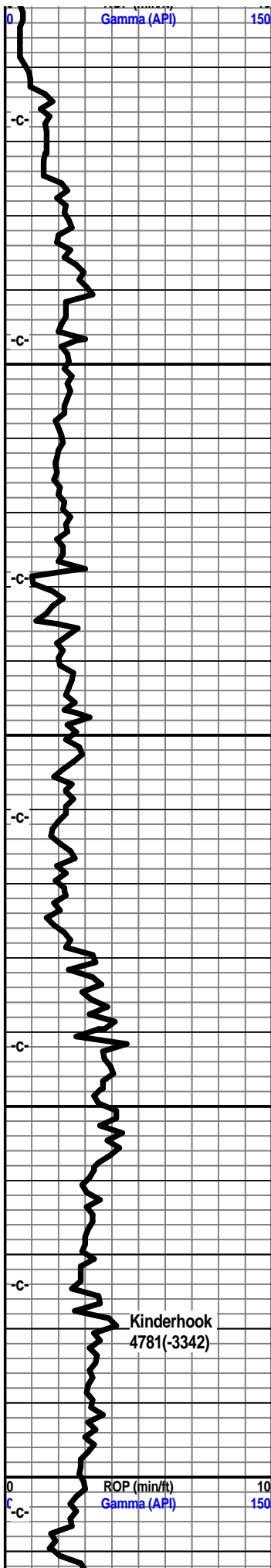
Chert, off-white to tan, weathered, pp to small scattered vug porosity, some sharp, light brown staining, slight show free oil & bleeding gas, faint odor, dull fluor.

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.

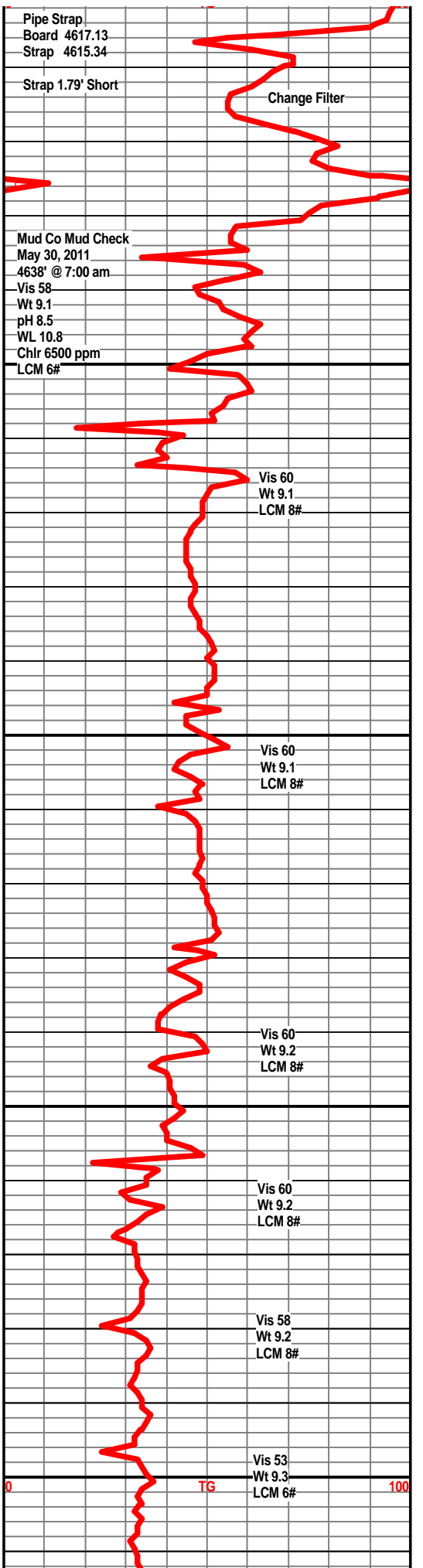
Shale, pale green, calcitic.

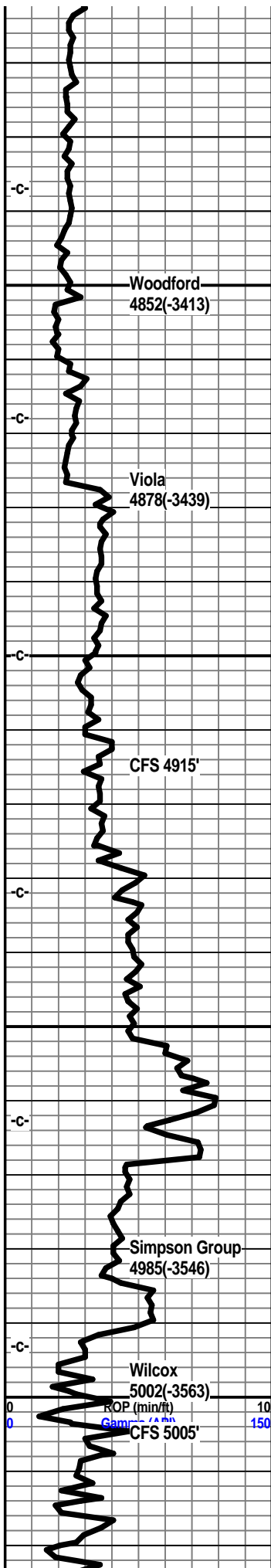
Limestone, cream-white, tan, xln, foss., subchalky in part.

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.

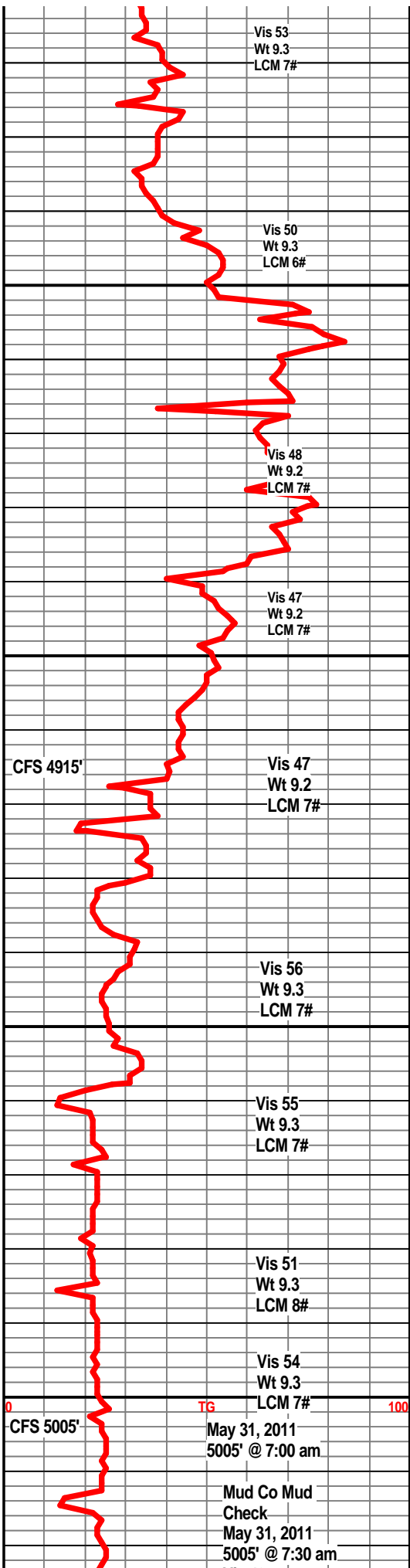
Limestone, tan-white, fn xln, dense, granular, dolomitic, tan specked chert, sharp, dense

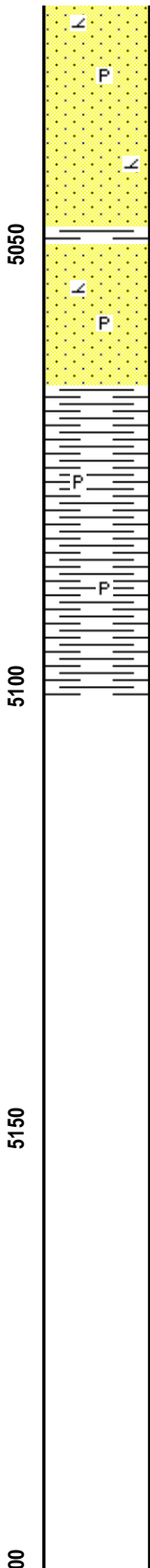
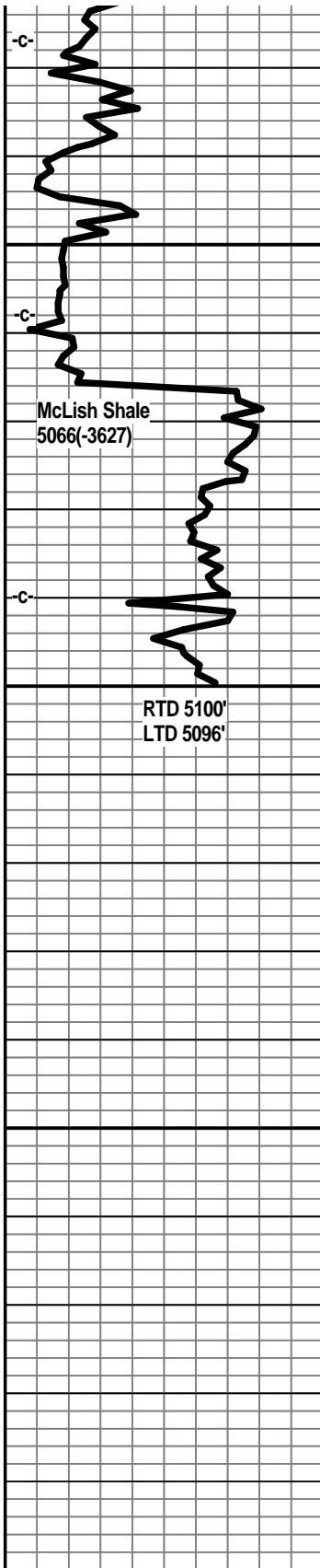
Shale, dark green, firm, pyrite.

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.

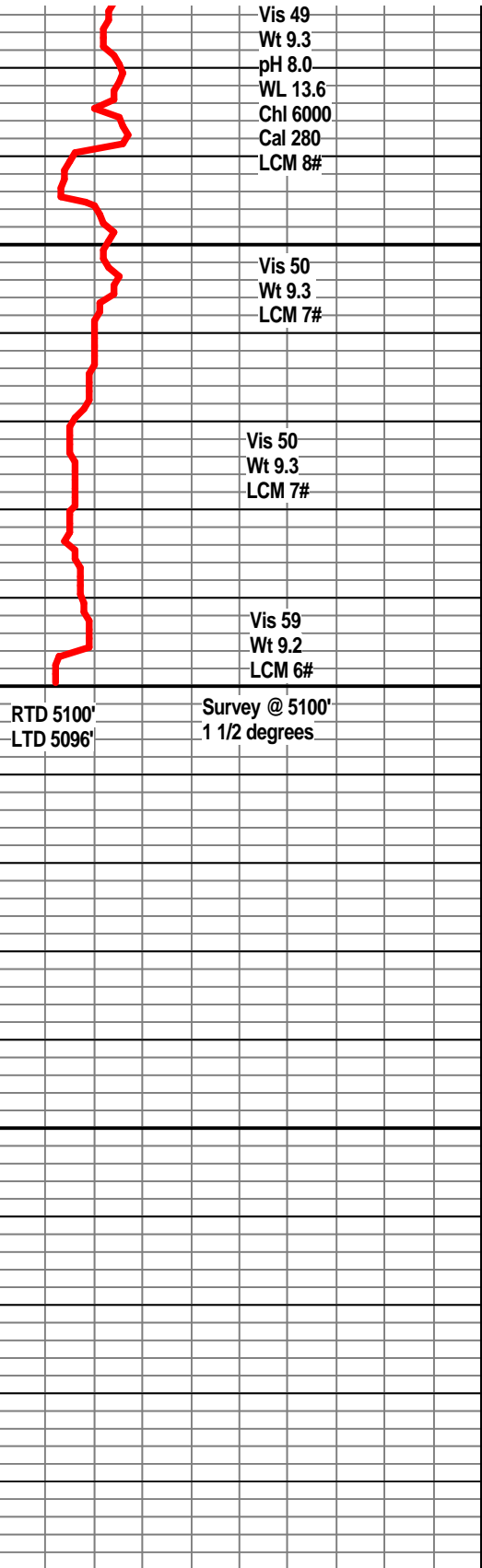
Sandstone, clear to brwn-white, SA to SR, friable in part, dolo. in part, glauc, gil, no visible shows.

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#