



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1151744
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1151744

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	LINCOLN TRUST 2 H
Doc ID	1151744

All Electric Logs Run

Straight hole log MD
Straight hole log TVD
Curve Lateral log MD
Curve Lateral log TVD

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	LINCOLN TRUST 2 H
Doc ID	1151744

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
CONDUCTOR	30	20	53	45	GROUT	4.5	YDS, NOT SX
SURFACE	17.5	13.375	48	329	CLASS A	330	
INTERMEDIATE	8.75	7	23	5221	60/40 POZMIX	50	
INTERMEDIATE	8.75	7	23	5221	CLASS H	200	SEE ATTACHED

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 18, 2013

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

Re: ACO1
API 15-007-23998-01-00
LINCOLN TRUST 2 H
SE/4 Sec.14-34S-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

N-10 EXP B-10
MEDICINE RIVER RANCH
2012 MS
5, 120

WOC 11-D
MARTIN MILLER
1925 MS
2, 5, 128

WOC 1-A
RICKE
2011 MS
5, 224

N-10 EXP 9-B
MED RIV RANCH
2011 MS
5, 073

**Woolsey Operating Company
Lincoln Trust #2-H
Sec. 14-T34s-R11w
Barber County, KS**

N-10 EXPL F-1
MED. RIVER RANCH
2012 MSSP
5, 120

**SHL:
Lat: 37.0855678
Lon: -98.4782432
2,305' FSL, 660' FEL
Sec. 14-T34s-R11w**

14

WOC 2-H
LINCOLN TR
WOC 1
LINCOLN TRUST
2013 MS
2008 MS
8, 958
5, 170

Productive Lateral

N-10 EXP 8-B
MED RIV RANCH
2011 MS
5, 067

N-10 EXPL B12
MED RIV RANCH

N-10 EXP SWD E OWWO
MED RIVER RANCH
2010
5, 819

WOC 1-H
MILLER-DIEL

WOC 2-H
MILLER GUD
2012 MSSP
9, 300

TRI-EX 1
MILLER
2002
4, 780

VAL 3-13
MEYER
2010 MS
4, 826

9, 118

**BHL:
Lat: 37.0729491
Lon: -98.4781557
2,357' FNL, 670' FEL
Sec. 23-T34s-R11w**

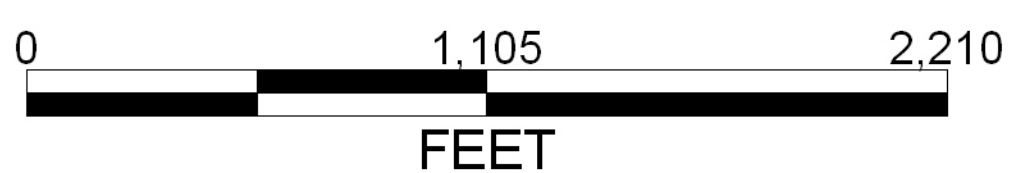
Woolsey Operating Company

LINCOLN TRUST #2-H

KCC Post Drill Exhibit

14-34s-11w

Barber County, KS



- WELL SYMBOLS**
- Abandoned GAS Well
 - Dry & Abandoned
 - Dry Hole, With Good Show of Oil & Gas
 - Dry Hole With Poor Gas Show
 - NEW LOCATION
 - Oil & Gas Well
 - Oil Well
 - Salt Water Disposal Well

REMARKS
CONFIDENTIAL

By: DLP

23

Lincoln Trust Unit

PICKRELL 1-B
LINCOLN TRUST
1999

VAL 2-23
HICKOCK
MSSP
5, 065

VAL 1-23
HICKOCK
2011 MS
5, 065

BROWN 1
CIRCLE
925
TRI-EX 1
OWWO THOM
2026 SLKR MS
4, 678

VAL 2-24
KELSON
1 OWWO
2011 MS
4, 850

WOC 1-F
DIEL
2011 MS
5, 220

PICKRELL 1-A
MACQUIRE
1991
4, 090

VAL ENERGY 3-24
NELSON
2012 MSSP
5, 000

P.O. # _____

BIG BUCKETS RATHOLE DRILLING

P.O. Box 5252
Enid, Oklahoma 73702
Phone (580) 233-9850
Fax (580) 233-4588

No 5194-

ORDERED BY

Mike Harp

Date *3/21/13*

Bill To *Woolsey Oper*

Lease *Lincoln Trust #2H*

Address _____

Legal *Sec 14-345-11W*

County *Barber KS*

Rig *Don R. H. 11g #11*

DESCRIPTION

AMOUNT

Furnish Men & Equipment To	DESCRIPTION	AMOUNT
	<i>Drill bit, mouse holes & Boot some & 5' of 60" casing, & 45 ft. of 30" pipe & remove dirt of loc</i>	
Materials Furnished	<i>45 ft of 20" pipe - 4 1/2 yds of grout - 5' of 60" tinhorn (casing pipe) - 50' of 15" tinhorn (R&K bits) & KS trip permits - welder & plate</i>	<i>7400 00</i>
Operator	<i>Justin Morrison</i>	
Approved By		
	Total	<i>7400 00</i>

ALLIED OIL & GAS SERVICES, LLC 059757

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Medicine Woods
3-24 3-24

DATE <u>3-23-2013</u>	SEC <u>14</u>	TWP. <u>84S</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 PM</u>	JOB FINISH <u>3:00 PM</u>
LEASE <u>L'cobb grove</u>	WELL # <u>217</u>	LOCATION <u>Gertson & Beech Rd</u>		COUNTY <u>Barber</u>	STATE <u>Ks</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>2 1/2 South, West into</u>				

CONTRACTOR Dgn D #11

TYPE OF JOB SOILGAL

HOLE SIZE 17 1/2 T.D. 3351

CASING SIZE 13 3/8 DEPTH 3291

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 20'

PERFS. _____

DISPLACEMENT 48 1/2 bbls of freshwater

OWNER Woolsey operating

CEMENT AMOUNT ORDERED 330sf Class A
3" locc & 2" Gel

EQUIPMENT

PUMP TRUCK CEMENTER Darin F.

558-555 HELPER Don G.

BULK TRUCK

381-250 DRIVER Brendon B

BULK TRUCK

_____ DRIVER _____

COMMON <u>A</u>	<u>330</u> sk @ <u>17.00</u>	<u>5907.00</u>
POZMIX	@	
GEL	<u>6</u> sk @ <u>23.40</u>	<u>140.40</u>
CHLORIDE	<u>12</u> sk @ <u>64.00</u>	<u>768.00</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>356.84</u> @ <u>2.45</u>	<u>884.96</u>
MILEAGE	<u>16.28/15/2.60</u>	<u>635.13</u>
TOTAL		<u>8335.49</u>

REMARKS:

Cement did Circulate

WELL FILE

Regulatory Correspondence APR 15 2013
Comp Workovers
Tests / Meters Operations

CHARGE TO: Woolsey Operating

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>3291</u>		
PUMP TRUCK CHARGE	<u>1550.00</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>15</u>	@ <u>7.50</u>	<u>112.50</u>
MANIFOLD	@	
<u>10</u> <u>15</u>	@ <u>4.40</u>	<u>66.00</u>
	@	
TOTAL		<u>1731.50</u>

PLUG & FLOAT EQUIPMENT

None

@ _____

@ _____

@ _____

@ _____

@ _____

To: Allied Oil & Gas Services, 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 10,066.99

DISCOUNT 20% IF PAID IN 30 DAYS

Net 8053.59

PRINTED NAME MIRE THARP

SIGNATURE Mil. Tharp

ALLIED OIL & GAS SERVICES, LLC 059792

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Medicine Lodge KS

DATE <u>04/04/13</u>	SEC. <u>14</u>	TWP. <u>34s</u>	RANGE <u>11w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Lincoln Trust</u>		WELL # <u>2-H</u>		LOCATION <u>Gerlane + Bethel, 2 1/2 South West into</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Dan D
 TYPE OF JOB Production
 HOLE SIZE 8 3/4 T.D. 5234
 CASING SIZE 7 DEPTH 5220
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1700 MINIMUM
 MEAS. LINE SHOE JOINT 44
 CEMENT LEFT IN CSG. 44
 PERFS.
 DISPLACEMENT 206 BBLs Fresh H₂O

OWNER Woolsey

CEMENT
 AMOUNT ORDERED 50 sk 60:40:4% Gel, 200 sk Class H + 10% Gypseal + 10% Calc + 6# Kolseal + .5% FL-160 + 4# Flaseal

EQUIPMENT

PUMP TRUCK CEMENTER Jason Thimersch
 # 558/555 HELPER Paris Franklin
 BULK TRUCK
 # 561/553 DRIVER Justin Bower
 BULK TRUCK
 # DRIVER

COMMON <u>A</u>	<u>30 sk</u>	@ <u>17.90</u>	<u>537.00</u>
POZMIX	<u>20 sk</u>	@ <u>9.35</u>	<u>187.00</u>
GEL	<u>2 sk</u>	@ <u>23.40</u>	<u>46.80</u>
CHLORIDE		@	
ASC		@	
<u>Mass H</u>	<u>200 sk</u>	@ <u>21.20</u>	<u>4240.00</u>
<u>Gypseal</u>	<u>19 sk</u>	@ <u>37.60</u>	<u>714.40</u>
<u>SOIT</u>	<u>22 sk</u>	@ <u>26.35</u>	<u>579.70</u>
<u>Kolseal</u>	<u>1200 #</u>	@ <u>.98</u>	<u>1176.00</u>
<u>FL-160</u>	<u>94 #</u>	@ <u>18.90</u>	<u>1776.60</u>
<u>Flaseal</u>	<u>50 #</u>	@ <u>2.97</u>	<u>148.50</u>
		@	
		@	
HANDLING	<u>.322.45</u>	caff @ <u>2.48</u>	<u>799.67</u>
MILEAGE	<u>13.78</u>	hrs x <u>15</u> mi x	<u>2.60</u>
			<u>537.73</u>
TOTAL			<u>10,743.40</u>

REMARKS:

WELL FILE

Regulatory Correspondence
 Draft Copy
 12257 Meters

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

SERVICE

DEPTH OF JOB	<u>5220</u>		
PUMP TRUCK CHARGE		<u>3099.25</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>15</u>	mi @ <u>7.70</u>	<u>115.50</u>
MANIFOLD		@	<u>275.00</u>
LV	<u>15</u>	mi @ <u>4.40</u>	<u>66.00</u>
		@	
TOTAL			<u>3555.75</u>

PLUG & FLOAT EQUIPMENT

<u>7</u>			
Rubber Plug	<u>1</u>	@	<u>99.45</u>
Float Shoe	<u>1</u>	@	<u>712.53</u>
Float Collar	<u>1</u>	@	<u>886.86</u>
Spiral Gliders	<u>5</u>	@ <u>187.20</u>	<u>946.00</u>
Stop Rings	<u>5</u>	@ <u>56.16</u>	<u>280.80</u>
TOTAL			<u>2925.64</u>

To: Allied Oil & Gas Services, 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 17,224.79
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME MIKE THARP
 SIGNATURE Mike Tharp

(Net) 13,779 ⁸³

Woolsey Operating Company, LLC

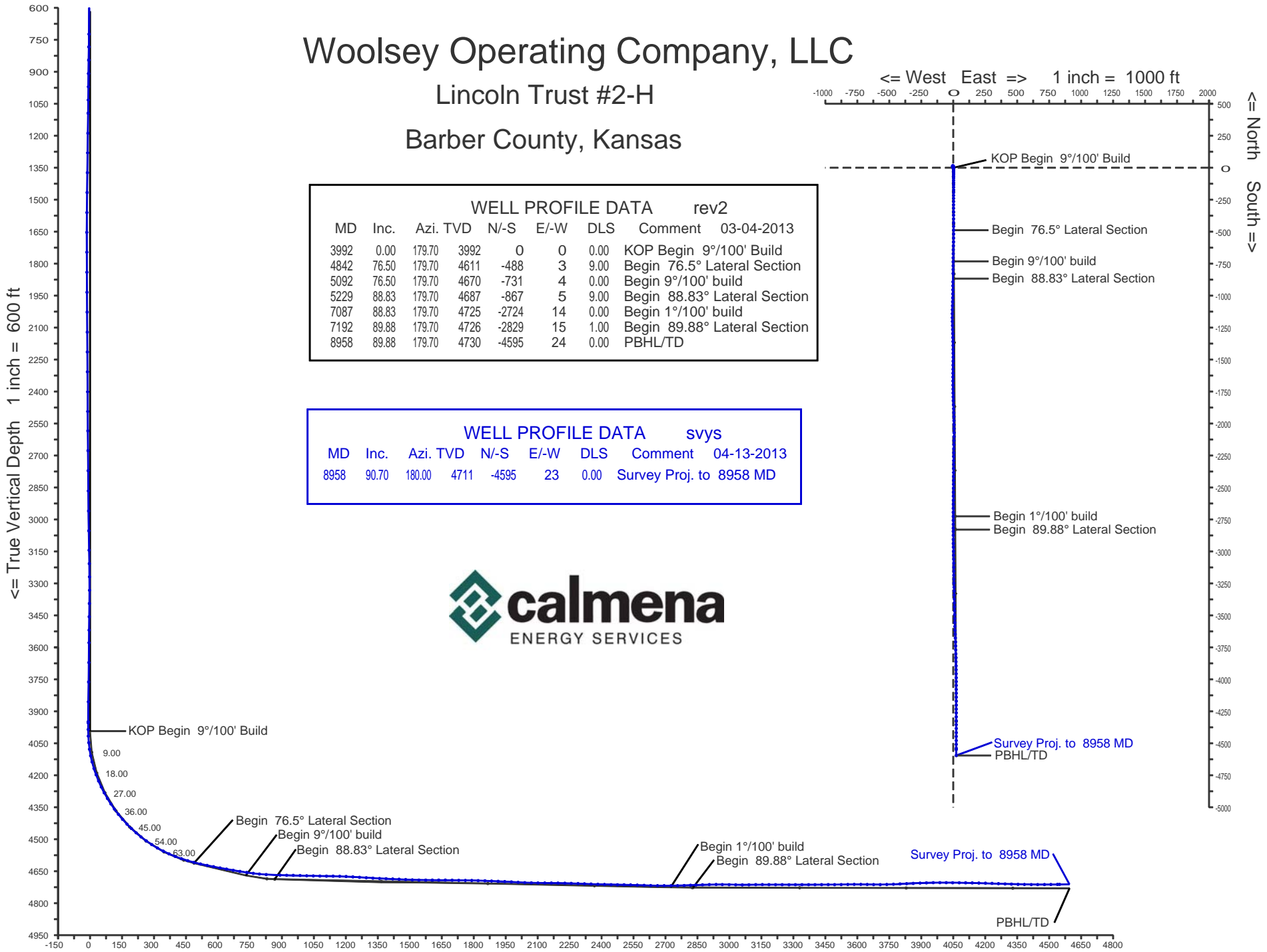
Lincoln Trust #2-H

Barber County, Kansas

<= West East => 1 inch = 1000 ft

WELL PROFILE DATA rev2							
MD	Inc.	Azi.	TVD	N-S	E-W	DLS	Comment
3992	0.00	179.70	3992	0	0	0.00	KOP Begin 9°/100' Build
4842	76.50	179.70	4611	-488	3	9.00	Begin 76.5° Lateral Section
5092	76.50	179.70	4670	-731	4	0.00	Begin 9°/100' build
5229	88.83	179.70	4687	-867	5	9.00	Begin 88.83° Lateral Section
7087	88.83	179.70	4725	-2724	14	0.00	Begin 1°/100' build
7192	89.88	179.70	4726	-2829	15	1.00	Begin 89.88° Lateral Section
8958	89.88	179.70	4730	-4595	24	0.00	PBHL/TD

WELL PROFILE DATA svys							
MD	Inc.	Azi.	TVD	N-S	E-W	DLS	Comment
8958	90.70	180.00	4711	-4595	23	0.00	Survey Proj. to 8958 MD



Vertical Section on 179.69 deg azimuth with reference 0.00 N, 0.00 E

Calmena Energy Services

Company: Woolsey Operating Company
 Well: Lincoln Trust #2-H
 Location:

Date: 13-Apr-2013
 Surveys
 Page 1
 Job# : 7136
 Gr elev=1375 RKB=1392

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.70° Az (feet)	Grid Y	Grid X	Comments
Surface Location								152531.00	2006347.00	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152531.00	2006347.00	
723.00	0.70	0.20	722.98	4.42	0.02	0.10	-4.42	152535.42	2006347.02	
783.00	0.80	348.95	782.98	5.19	-0.06	0.30	-5.19	152536.19	2006346.94	
845.00	0.70	341.92	844.97	5.98	-0.26	0.22	-5.98	152536.98	2006346.74	
908.00	0.80	340.16	907.97	6.76	-0.53	0.16	-6.76	152537.76	2006346.47	
970.00	0.60	339.46	969.96	7.47	-0.79	0.32	-7.47	152538.47	2006346.21	
1032.00	0.60	349.30	1031.96	8.09	-0.97	0.17	-8.10	152539.09	2006346.03	
1094.00	0.70	342.60	1093.95	8.77	-1.14	0.20	-8.78	152539.77	2006345.86	
1188.00	0.80	352.60	1187.95	9.97	-1.40	0.17	-9.98	152540.97	2006345.60	
1280.00	0.80	347.20	1279.94	11.23	-1.62	0.08	-11.24	152542.23	2006345.38	
1373.00	0.70	338.20	1372.93	12.40	-1.98	0.17	-12.41	152543.40	2006345.02	
1466.00	0.80	334.00	1465.92	13.51	-2.47	0.12	-13.52	152544.51	2006344.53	
1560.00	0.80	340.70	1559.91	14.72	-2.98	0.10	-14.73	152545.72	2006344.02	
1653.00	0.30	229.40	1652.91	15.17	-3.38	1.02	-15.19	152546.17	2006343.62	
1746.00	0.30	236.80	1745.91	14.88	-3.77	0.04	-14.90	152545.88	2006343.23	
1840.00	0.30	213.60	1839.91	14.54	-4.11	0.13	-14.56	152545.54	2006342.89	
1934.00	0.40	204.10	1933.91	14.03	-4.38	0.12	-14.06	152545.03	2006342.62	
2027.00	0.40	196.40	2026.90	13.43	-4.60	0.06	-13.45	152544.43	2006342.40	
2121.00	0.30	215.90	2120.90	12.91	-4.84	0.16	-12.94	152543.91	2006342.16	
2214.00	0.30	177.20	2213.90	12.47	-4.97	0.21	-12.50	152543.47	2006342.03	
2307.00	0.30	162.10	2306.90	12.00	-4.88	0.08	-12.02	152543.00	2006342.12	
2401.00	0.50	154.40	2400.90	11.39	-4.63	0.22	-11.42	152542.39	2006342.37	
2493.00	0.60	143.30	2492.89	10.64	-4.17	0.16	-10.67	152541.64	2006342.83	
2584.00	0.40	147.20	2583.89	10.00	-3.71	0.22	-10.01	152541.00	2006343.29	
2677.00	0.50	141.40	2676.89	9.41	-3.28	0.12	-9.42	152540.41	2006343.72	
2771.00	0.60	159.30	2770.88	8.62	-2.85	0.21	-8.64	152539.62	2006344.15	
2866.00	0.60	161.00	2865.88	7.69	-2.52	0.02	-7.70	152538.69	2006344.48	
2960.00	0.70	167.00	2959.87	6.66	-2.23	0.13	-6.68	152537.66	2006344.77	
3053.00	0.70	160.70	3052.86	5.57	-1.91	0.08	-5.58	152536.57	2006345.09	
3144.00	0.80	168.60	3143.86	4.43	-1.60	0.16	-4.44	152535.43	2006345.40	

Calmena Energy Services

Company: Woolsey Operating Company
 Well: Lincoln Trust #2-H
 Location:

Date: 13-Apr-2013
 Surveys
 Page 2
 Job# : 7136
 Gr elev=1375 RKB=1392

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.70° Az (feet)	Grid Y	Grid X	Comments
3207.00	1.10	176.70	3206.85	3.39	-1.48	0.52	-3.40	152534.39	2006345.52	
3269.00	0.70	177.40	3268.84	2.42	-1.43	0.65	-2.43	152533.42	2006345.57	
3332.00	0.60	43.40	3331.84	2.27	-1.18	1.90	-2.28	152533.27	2006345.82	
3394.00	1.00	30.80	3393.83	2.98	-0.68	0.70	-2.98	152533.98	2006346.32	
3456.00	0.50	28.50	3455.83	3.68	-0.28	0.81	-3.68	152534.68	2006346.72	
3519.00	0.50	29.20	3518.82	4.16	-0.01	0.01	-4.16	152535.16	2006346.99	
3578.00	0.60	39.90	3577.82	4.62	0.31	0.24	-4.62	152535.62	2006347.31	
3671.00	0.60	27.80	3670.82	5.43	0.85	0.14	-5.42	152536.43	2006347.85	
3762.00	1.00	29.90	3761.81	6.54	1.47	0.44	-6.53	152537.54	2006348.47	
3855.00	0.40	18.70	3854.80	7.55	1.98	0.66	-7.54	152538.55	2006348.98	
3948.00	0.50	40.50	3947.80	8.16	2.35	0.21	-8.15	152539.16	2006349.35	
3954.00	0.50	45.90	3953.80	8.20	2.38	0.79	-8.19	152539.20	2006349.38	
3985.00	0.10	198.70	3984.80	8.27	2.47	1.91	-8.26	152539.27	2006349.47	
4016.00	2.00	185.60	4015.79	7.70	2.41	6.14	-7.69	152538.70	2006349.41	
4047.00	4.70	182.10	4046.73	5.90	2.31	8.73	-5.88	152536.90	2006349.31	
4078.00	8.20	181.30	4077.53	2.42	2.21	11.29	-2.41	152533.42	2006349.21	
4109.00	11.70	180.00	4108.06	-2.94	2.16	11.31	2.95	152528.06	2006349.16	
4139.00	14.80	179.30	4137.26	-9.81	2.21	10.35	9.82	152521.19	2006349.21	
4171.00	17.80	178.80	4167.97	-18.79	2.36	9.39	18.80	152512.21	2006349.36	
4202.00	20.30	179.50	4197.27	-28.91	2.51	8.10	28.92	152502.09	2006349.51	
4233.00	22.70	180.20	4226.11	-40.27	2.53	7.79	40.28	152490.73	2006349.53	
4264.00	25.40	181.10	4254.42	-52.90	2.38	8.79	52.91	152478.10	2006349.38	
4295.00	28.20	181.30	4282.08	-66.87	2.09	9.04	66.88	152464.13	2006349.09	
4325.00	31.00	180.70	4308.17	-81.69	1.84	9.39	81.70	152449.31	2006348.84	
4356.00	33.60	179.80	4334.37	-98.25	1.77	8.53	98.26	152432.75	2006348.77	
4385.00	35.70	179.10	4358.22	-114.74	1.93	7.37	114.75	152416.26	2006348.93	
4416.00	38.40	179.50	4382.96	-133.41	2.15	8.74	133.42	152397.59	2006349.15	
4446.00	41.10	179.50	4406.02	-152.59	2.32	9.00	152.60	152378.41	2006349.32	
4477.00	44.00	180.00	4428.86	-173.55	2.41	9.42	173.56	152357.45	2006349.41	
4506.00	46.50	180.20	4449.27	-194.15	2.37	8.63	194.16	152336.85	2006349.37	

Calmena Energy Services

Company: Woolsey Operating Company
 Well: Lincoln Trust #2-H
 Location:

Date: 13-Apr-2013
 Surveys
 Page 3
 Job# : 7136
 Gr elev=1375 RKB=1392

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/-S (feet)	E/-W (feet)	DLS (deg/100')	VS @ 179.70° Az (feet)	Grid Y	Grid X	Comments
4536.00	49.00	180.20	4469.44	-216.35	2.30	8.33	216.36	152314.65	2006349.30	
4566.00	51.60	180.70	4488.61	-239.43	2.11	8.76	239.44	152291.57	2006349.11	
4597.00	54.20	180.70	4507.30	-264.15	1.81	8.39	264.16	152266.85	2006348.81	
4628.00	57.10	180.60	4524.79	-289.74	1.52	9.36	289.74	152241.26	2006348.52	
4659.00	60.50	179.80	4540.85	-316.25	1.43	11.19	316.26	152214.75	2006348.43	
4690.00	63.40	179.80	4555.43	-343.61	1.53	9.35	343.61	152187.39	2006348.53	
4720.00	66.10	179.50	4568.22	-370.74	1.69	9.05	370.74	152160.26	2006348.69	
4751.00	68.70	179.50	4580.13	-399.35	1.94	8.39	399.36	152131.65	2006348.94	
4782.00	71.10	178.80	4590.79	-428.46	2.38	8.03	428.47	152102.54	2006349.38	
4813.00	73.60	180.00	4600.19	-458.00	2.68	8.87	458.00	152073.00	2006349.68	
4844.00	75.40	180.40	4608.47	-487.87	2.58	5.94	487.87	152043.13	2006349.58	
4875.00	77.40	180.70	4615.76	-518.00	2.29	6.52	518.00	152013.00	2006349.29	
4907.00	78.50	181.10	4622.44	-549.29	1.80	3.65	549.29	151981.71	2006348.80	
4938.00	79.30	181.60	4628.41	-579.70	1.08	3.03	579.70	151951.30	2006348.08	
4969.00	79.40	181.30	4634.14	-610.15	0.31	1.00	610.15	151920.85	2006347.31	
5000.00	79.60	180.90	4639.79	-640.63	-0.27	1.42	640.62	151890.37	2006346.73	
5032.00	80.40	180.70	4645.34	-672.14	-0.71	2.57	672.13	151858.86	2006346.29	
5064.00	80.90	180.60	4650.54	-703.71	-1.07	1.59	703.70	151827.29	2006345.93	
5096.00	81.30	180.40	4655.49	-735.33	-1.35	1.39	735.31	151795.67	2006345.65	
5127.00	82.80	180.00	4659.78	-766.03	-1.46	5.00	766.01	151764.97	2006345.54	
5156.00	84.30	180.00	4663.04	-794.84	-1.46	5.17	794.82	151736.16	2006345.54	
5188.00	86.80	180.90	4665.52	-826.74	-1.71	8.30	826.72	151704.26	2006345.29	
5253.00	88.70	181.10	4668.07	-891.68	-2.84	2.94	891.65	151639.32	2006344.16	
5284.00	89.20	180.60	4668.64	-922.67	-3.30	2.28	922.64	151608.33	2006343.70	
5315.00	89.30	180.40	4669.05	-953.67	-3.57	0.72	953.63	151577.33	2006343.43	
5347.00	87.60	180.70	4669.91	-985.65	-3.88	5.39	985.62	151545.35	2006343.12	
5378.00	88.10	181.40	4671.07	-1016.63	-4.44	2.77	1016.59	151514.38	2006342.56	
5409.00	88.90	181.40	4671.89	-1047.60	-5.20	2.58	1047.56	151483.40	2006341.80	
5440.00	89.20	181.80	4672.40	-1078.59	-6.07	1.61	1078.54	151452.41	2006340.93	
5471.00	89.70	181.40	4672.70	-1109.57	-6.93	2.07	1109.52	151421.43	2006340.07	

Calmena Energy Services

Company: Woolsey Operating Company
 Well: Lincoln Trust #2-H
 Location:

Date: 13-Apr-2013
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 Job# : 7136
 Gr elev=1375 RKB=1392

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 179.70° Az (feet)	Grid Y	Grid X	Comments
5502.00	89.90	180.90	4672.81	-1140.57	-7.55	1.74	1140.51	151390.43	2006339.45	
5533.00	88.10	179.70	4673.35	-1171.56	-7.72	6.98	1171.50	151359.44	2006339.28	
5563.00	87.40	178.10	4674.52	-1201.53	-7.14	5.82	1201.48	151329.47	2006339.86	
5595.00	86.30	178.40	4676.28	-1233.47	-6.17	3.56	1233.42	151297.53	2006340.83	
5626.00	86.00	178.10	4678.36	-1264.38	-5.22	1.37	1264.34	151266.62	2006341.78	
5658.00	86.50	178.60	4680.46	-1296.30	-4.30	2.21	1296.26	151234.70	2006342.70	
5689.00	87.00	178.30	4682.21	-1327.24	-3.47	1.88	1327.20	151203.76	2006343.53	
5720.00	87.70	178.60	4683.65	-1358.20	-2.63	2.46	1358.16	151172.81	2006344.37	
5751.00	87.90	179.30	4684.84	-1389.17	-2.06	2.35	1389.14	151141.83	2006344.94	
5782.00	87.90	179.70	4685.97	-1420.15	-1.79	1.29	1420.12	151110.86	2006345.21	
5812.00	87.10	179.70	4687.28	-1450.12	-1.63	2.67	1450.09	151080.89	2006345.37	
5843.00	86.80	179.80	4688.93	-1481.07	-1.50	1.02	1481.04	151049.93	2006345.50	
5874.00	87.80	180.60	4690.39	-1512.04	-1.61	4.13	1512.01	151018.96	2006345.39	
5905.00	89.20	180.60	4691.20	-1543.02	-1.93	4.52	1542.99	150987.98	2006345.07	
5937.00	89.90	180.60	4691.45	-1575.02	-2.27	2.19	1574.99	150955.98	2006344.73	
5968.00	90.30	180.20	4691.40	-1606.02	-2.48	1.82	1605.98	150924.98	2006344.52	
5998.00	90.60	180.60	4691.17	-1636.02	-2.69	1.67	1635.98	150894.98	2006344.31	
6029.00	89.60	179.80	4691.11	-1667.02	-2.80	4.13	1666.98	150863.98	2006344.20	
6061.00	88.30	179.30	4691.70	-1699.01	-2.55	4.35	1698.97	150831.99	2006344.45	
6092.00	88.90	179.10	4692.45	-1730.00	-2.12	2.04	1729.96	150801.00	2006344.88	
6123.00	89.90	179.30	4692.78	-1760.99	-1.68	3.29	1760.96	150770.01	2006345.32	
6153.00	89.20	178.30	4693.02	-1790.98	-1.05	4.07	1790.95	150740.02	2006345.95	
6183.00	88.40	178.40	4693.64	-1820.96	-0.19	2.69	1820.94	150710.04	2006346.81	
6215.00	88.30	177.40	4694.56	-1852.93	0.98	3.14	1852.91	150678.07	2006347.98	
6246.00	87.50	177.40	4695.70	-1883.88	2.39	2.58	1883.86	150647.12	2006349.39	
6277.00	87.40	178.40	4697.08	-1914.82	3.52	3.24	1914.82	150616.18	2006350.52	
6308.00	87.70	178.80	4698.41	-1945.79	4.28	1.61	1945.78	150585.21	2006351.28	
6339.00	87.10	179.10	4699.81	-1976.75	4.85	2.16	1976.75	150554.25	2006351.85	
6371.00	86.70	179.30	4701.54	-2008.70	5.29	1.40	2008.70	150522.30	2006352.29	
6402.00	87.30	179.30	4703.16	-2039.65	5.67	1.94	2039.66	150491.35	2006352.67	

Calmena Energy Services

Company: Woolsey Operating Company
 Well: Lincoln Trust #2-H
 Location:

Date: 13-Apr-2013
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MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 179.70° Az (feet)	Grid Y	Grid X	Comments
6433.00	88.50	180.00	4704.30	-2070.63	5.86	4.48	2070.63	150460.37	2006352.86	
6464.00	89.70	181.30	4704.79	-2101.63	5.51	5.71	2101.63	150429.38	2006352.51	
6496.00	89.90	181.30	4704.90	-2133.62	4.78	0.63	2133.61	150397.38	2006351.78	
6527.00	89.50	180.90	4705.06	-2164.61	4.19	1.82	2164.60	150366.39	2006351.19	
6558.00	89.00	180.70	4705.47	-2195.60	3.75	1.74	2195.59	150335.40	2006350.75	
6590.00	88.90	180.60	4706.05	-2227.60	3.39	0.44	2227.58	150303.40	2006350.39	
6620.00	88.90	180.70	4706.63	-2257.59	3.05	0.33	2257.58	150273.41	2006350.05	
6652.00	87.80	180.20	4707.55	-2289.58	2.80	3.78	2289.56	150241.43	2006349.80	
6682.00	87.80	180.60	4708.70	-2319.55	2.59	1.33	2319.53	150211.45	2006349.59	
6713.00	87.80	180.40	4709.89	-2350.53	2.32	0.64	2350.51	150180.47	2006349.32	
6745.00	88.30	180.00	4710.98	-2382.51	2.21	2.00	2382.49	150148.49	2006349.21	
6776.00	88.40	180.60	4711.87	-2413.50	2.05	1.96	2413.47	150117.51	2006349.05	
6807.00	88.60	180.60	4712.69	-2444.48	1.72	0.65	2444.46	150086.52	2006348.72	
6837.00	89.20	180.60	4713.26	-2474.48	1.41	2.00	2474.45	150056.52	2006348.41	
6868.00	89.90	180.60	4713.50	-2505.47	1.08	2.26	2505.44	150025.53	2006348.08	
6899.00	89.00	180.70	4713.80	-2536.47	0.73	2.92	2536.44	149994.53	2006347.73	
6930.00	87.60	180.20	4714.72	-2567.45	0.49	4.80	2567.42	149963.55	2006347.49	
6962.00	87.90	180.40	4715.98	-2599.43	0.32	1.13	2599.40	149931.57	2006347.32	
6993.00	88.90	180.60	4716.84	-2630.42	0.05	3.29	2630.38	149900.59	2006347.05	
7025.00	89.60	180.60	4717.26	-2662.41	-0.29	2.19	2662.37	149868.59	2006346.71	
7056.00	89.80	180.00	4717.42	-2693.41	-0.45	2.04	2693.37	149837.59	2006346.55	
7088.00	90.10	179.80	4717.45	-2725.41	-0.39	1.13	2725.37	149805.59	2006346.61	
7119.00	90.30	179.50	4717.34	-2756.41	-0.20	1.16	2756.37	149774.59	2006346.80	
7150.00	92.00	180.20	4716.72	-2787.40	-0.12	5.93	2787.36	149743.60	2006346.88	
7180.00	92.60	180.20	4715.52	-2817.38	-0.23	2.00	2817.34	149713.62	2006346.77	
7205.00	92.10	180.00	4714.49	-2842.36	-0.27	2.15	2842.32	149688.65	2006346.73	
7236.00	92.10	180.00	4713.36	-2873.33	-0.27	0.00	2873.29	149657.67	2006346.73	
7268.00	91.80	180.00	4712.27	-2905.32	-0.27	0.94	2905.27	149625.68	2006346.73	
7300.00	89.70	179.10	4711.85	-2937.31	-0.02	7.14	2937.27	149593.69	2006346.98	
7329.00	89.20	178.20	4712.13	-2966.30	0.66	3.55	2966.26	149564.70	2006347.66	

Calmena Energy Services

Company: Woolsey Operating Company
 Well: Lincoln Trust #2-H
 Location:

Date: 13-Apr-2013
 Surveys
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 Job# : 7136
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MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 179.70° Az (feet)	Grid Y	Grid X	Comments
7361.00	88.90	178.40	4712.66	-2998.28	1.61	1.13	2998.25	149532.72	2006348.61	
7392.00	88.60	178.40	4713.33	-3029.26	2.48	0.97	3029.23	149501.74	2006349.48	
7423.00	90.10	178.90	4713.69	-3060.25	3.21	5.10	3060.23	149470.75	2006350.21	
7454.00	91.50	179.30	4713.25	-3091.24	3.70	4.70	3091.22	149439.76	2006350.70	
7486.00	91.00	179.40	4712.56	-3123.23	4.06	1.59	3123.21	149407.77	2006351.06	
7517.00	89.60	180.00	4712.39	-3154.23	4.22	4.91	3154.21	149376.77	2006351.22	
7548.00	89.80	180.30	4712.56	-3185.23	4.14	1.16	3185.21	149345.77	2006351.14	
7579.00	89.80	179.10	4712.66	-3216.23	4.30	3.87	3216.21	149314.77	2006351.30	
7610.00	89.20	178.60	4712.93	-3247.22	4.93	2.52	3247.20	149283.78	2006351.93	
7642.00	90.20	178.70	4713.10	-3279.21	5.68	3.14	3279.20	149251.79	2006352.68	
7672.00	90.70	178.40	4712.87	-3309.20	6.44	1.94	3309.19	149221.80	2006353.44	
7703.00	90.20	178.70	4712.62	-3340.19	7.22	1.88	3340.18	149190.81	2006354.22	
7734.00	89.70	178.60	4712.65	-3371.18	7.95	1.64	3371.18	149159.82	2006354.95	
7764.00	90.10	178.90	4712.70	-3401.17	8.61	1.67	3401.17	149129.83	2006355.61	
7795.00	90.50	178.70	4712.54	-3432.17	9.26	1.44	3432.17	149098.83	2006356.26	
7826.00	89.70	179.10	4712.49	-3463.16	9.85	2.89	3463.17	149067.84	2006356.85	
7856.00	90.00	179.10	4712.56	-3493.16	10.32	1.00	3493.16	149037.84	2006357.32	
7887.00	90.70	178.60	4712.38	-3524.15	10.95	2.77	3524.16	149006.85	2006357.95	
7918.00	91.30	178.60	4711.83	-3555.14	11.70	1.94	3555.15	148975.86	2006358.70	
7948.00	90.80	178.70	4711.28	-3585.12	12.41	1.70	3585.14	148945.88	2006359.41	
7979.00	89.60	177.90	4711.18	-3616.11	13.33	4.65	3616.13	148914.89	2006360.33	
8009.00	88.60	178.00	4711.65	-3646.08	14.40	3.35	3646.11	148884.92	2006361.40	
8039.00	88.80	177.20	4712.33	-3676.05	15.66	2.75	3676.08	148854.95	2006362.66	
8070.00	90.40	177.90	4712.54	-3707.02	16.98	5.63	3707.06	148823.98	2006363.98	
8101.00	92.00	178.40	4711.90	-3738.00	17.98	5.41	3738.04	148793.00	2006364.98	
8132.00	92.70	178.70	4710.62	-3768.96	18.77	2.46	3769.01	148762.04	2006365.77	
8163.00	91.90	178.60	4709.38	-3799.93	19.50	2.60	3799.98	148731.07	2006366.50	
8194.00	92.30	179.00	4708.24	-3830.90	20.15	1.82	3830.95	148700.10	2006367.15	
8225.00	92.70	179.10	4706.89	-3861.86	20.66	1.33	3861.92	148669.14	2006367.66	
8257.00	92.60	179.10	4705.41	-3893.83	21.16	0.31	3893.88	148637.17	2006368.16	

Calmena Energy Services

Company: Woolsey Operating Company
 Well: Lincoln Trust #2-H
 Location:

Date: 13-Apr-2013
 Surveys
 Page 7
 Job# : 7136
 Gr elev=1375 RKB=1392

MD (feet)	Inclination (degrees)	Azimuth (degrees)	TVD RKB (feet)	N/S (feet)	E/W (feet)	DLS (deg/100')	VS @ 179.70° Az (feet)	Grid Y	Grid X	Comments
8287.00	91.80	179.10	4704.26	-3923.80	21.63	2.67	3923.86	148607.20	2006368.63	
8319.00	91.00	179.00	4703.48	-3955.79	22.16	2.52	3955.85	148575.21	2006369.16	
8350.00	90.10	179.30	4703.18	-3986.78	22.62	3.06	3986.84	148544.22	2006369.62	
8380.00	89.10	179.50	4703.39	-4016.78	22.94	3.40	4016.84	148514.22	2006369.94	
8410.00	89.70	180.00	4703.71	-4046.78	23.07	2.60	4046.84	148484.22	2006370.07	
8441.00	89.90	179.50	4703.81	-4077.78	23.20	1.74	4077.84	148453.23	2006370.20	
8471.00	89.40	180.00	4704.00	-4107.77	23.33	2.36	4107.84	148423.23	2006370.33	
8502.00	88.80	179.80	4704.48	-4138.77	23.39	2.04	4138.84	148392.23	2006370.39	
8533.00	89.10	180.20	4705.05	-4169.77	23.39	1.61	4169.83	148361.24	2006370.39	
8564.00	88.50	180.20	4705.70	-4200.76	23.28	1.94	4200.82	148330.24	2006370.28	
8595.00	87.40	180.40	4706.81	-4231.74	23.12	3.61	4231.80	148299.26	2006370.12	
8625.00	87.90	180.20	4708.04	-4261.71	22.96	1.79	4261.77	148269.29	2006369.96	
8656.00	88.10	179.80	4709.12	-4292.69	22.96	1.44	4292.75	148238.31	2006369.96	
8686.00	88.10	179.80	4710.12	-4322.68	23.06	0.00	4322.74	148208.33	2006370.06	
8717.00	88.10	179.80	4711.14	-4353.66	23.17	0.00	4353.72	148177.34	2006370.17	
8747.00	88.90	179.50	4711.93	-4383.65	23.36	2.85	4383.71	148147.35	2006370.36	
8779.00	89.50	180.20	4712.38	-4415.64	23.44	2.88	4415.71	148115.36	2006370.44	
8809.00	90.50	180.40	4712.38	-4445.64	23.28	3.40	4445.70	148085.36	2006370.28	
8841.00	90.60	180.00	4712.07	-4477.64	23.17	1.29	4477.70	148053.36	2006370.17	
8871.00	90.40	180.20	4711.81	-4507.64	23.12	0.94	4507.70	148023.36	2006370.12	
8902.00	90.70	180.00	4711.51	-4538.64	23.06	1.16	4538.70	147992.36	2006370.06	
8912.00	90.70	180.00	4711.39	-4548.64	23.06	0.00	4548.70	147982.36	2006370.06	
8958.00	90.70	180.00	4710.83	-4594.63	23.06	0.00	4594.69	147936.37	2006370.06	Survey projected

Prepared for		Company	Date		
Mr. Carl W. Durr		Woolsey Petroleum	19-Apr-13		
Well Name	Type of Installation	Location			
Lincoln Trust 2H	16-Stage 4-1/2" StackFRAC® HD	Barber, KS			
Depth	Drawing	Description	OD (in)	ID (in)	Length
KOP 3996'					
SF hanger 5108' 200bbbls					
EOC 5220'		7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer 35 (3 shear pins at 482 each; 1,446 psi setting pressure) PN: 108425-000001	5.875"	4.750"	14.93'
TVD 4711'			5.850"	3.875"	
		Do not run handling pups on Drillable FracPORT's	4.500"	4.000"	
		4-1/2" 11.60# N-80 LTC LINER 6-1/8" open hole horizontal JOINTS: 4	4.500"	4.000"	168.79'
5292'		34 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.40'
Stage 16 5426' 205bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 33 Packers Plus 4-1/2" Drillable FracPORT® with 3.500" Seat for 3.625" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000317	4.500"	4.000"	125.18'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	3.500"	2.65'
5520'			4.500"	4.000"	85.01'
		32 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.39'
Stage 15 5653' 208bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 31 Packers Plus 4-1/2" Drillable FracPORT® with 3.375" Seat for 3.500" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000319	4.500"	4.000"	124.96'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	3.375"	2.65'
5747'			4.500"	4.000"	85.71'
		30 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.40'
Stage 14 5883' 212bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 29 Packers Plus 4-1/2" Drillable FracPORT® with 3.250" Seat for 3.375" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000321	4.500"	4.000"	127.03'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	3.250"	2.65'
5973'			4.500"	4.000"	82.15'
		28 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.38'
Stage 13 6105' 215bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 27 Packers Plus 4-1/2" Drillable FracPORT® with 3.125" Seat for 3.250" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000323	4.500"	4.000"	123.18'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	3.125"	2.65'
6196'			4.500"	4.000"	82.50'
		26 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.40'
Stage 12 6331' 219bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 25 Packers Plus 4-1/2" Drillable FracPORT® with 3.000" Seat for 3.125" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000325	4.500"	4.000"	126.59'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	3.000"	2.65'
6426'			4.500"	4.000"	85.71'
		24 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.38'
Stage 11 6561' 223bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 23 Packers Plus 4-1/2" Drillable FracPORT® with 2.875" Seat for 3.000" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000327	4.500"	4.000"	127.68'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	2.875"	2.65'
6655'			4.500"	4.000"	84.30'
		22 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.40'
Stage 10 6790' 226bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 21 Packers Plus 4-1/2" Drillable FracPORT® with 2.750" Seat for 2.875" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000329	4.500"	4.000"	127.05'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	2.750"	2.65'
6884'			4.500"	4.000"	85.75'
		20 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.39'
Stage 9 7020' 230bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 19 Packers Plus 4-1/2" Drillable FracPORT® with 2.625" Seat for 2.750" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000331	4.500"	4.000"	127.55'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	2.625"	2.65'
7111'			4.500"	4.000"	82.04'
		18 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.36'
Stage 8 7247' 233bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 17 Packers Plus 4-1/2" Drillable FracPORT® with 2.500" Seat for 2.625" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000333	4.500"	4.000"	127.76'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	2.500"	2.65'
7342'			4.500"	4.000"	85.76'
		16 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.41'
Stage 7 7475' 237bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 15 Packers Plus 4-1/2" Drillable FracPORT® with 2.375" Seat for 2.500" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000335	4.500"	4.000"	125.57'
		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	5.630"	2.375"	2.65'
7567'			4.500"	4.000"	82.39'
		14 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.75"	3.875"	14.38'



Do It Once.
Do It Right.

Confidential Information - not to be disclosed outside
Woolsey Petroleum

Completion
FINAL

Prepared for		Company	Date		
Mr. Carl W. Durr		Woolsey Petroleum	19-Apr-13		
Well Name		Type of Installation	Location		
Lincoln Trust 2H		16-Stage 4-1/2" StackFRAC® HD	Barber, KS		
Depth	Drawing	Description	OD (in)	ID (in)	Length
			Page 2 of 2		
Stage 6 7698' 240bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 13 Packers Plus 4-1/2" Drillable FracPORT® with 2.250" Seat for 2.375" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000337 4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	4.500"	4.000"	123.32'
7792'		12 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.630"	2.250"	2.65'
Stage 5 7928' 244bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 11 Packers Plus 4-1/2" Drillable FracPORT® with 2.125" Seat for 2.250" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000339 4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	4.500"	4.000"	128.13'
8019'		10 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.630"	2.125"	2.65'
Stage 4 8155' 247bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 9 Packers Plus 4-1/2" Drillable FracPORT® with 2.000" Seat for 2.125" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000341 4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	4.500"	4.000"	127.69'
8249'		8 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.630"	2.000"	2.65'
Stage 3 8384' 251bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 7 Packers Plus 4-1/2" Drillable FracPORT® with 1.875" Seat for 2.000" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000343 4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	4.500"	4.000"	126.97'
8478'		6 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.630"	1.875"	2.65'
Stage 2 8615' 254bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 3 5 Packers Plus 4-1/2" Drillable FracPORT® with 1.750" Seat for 1.875" High Pressure Ball (6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000345 4-1/2" 11.60# N-80 LTC LINER JOINTS: 2	4.500"	4.000"	126.97'
8710'		4 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer (6 pins @ 324 psi each for 1,944 psi setting) PN: 124929-000004	5.630"	1.750"	2.65'
8809'		4-1/2" 11.60# N-80 LTC LINER JOINTS: 2 3 Packers Plus 7" x 4-1/2" RockSEAL® IIS 10K Hydraulic Set Anchor Packer (6 shear pins at 324 psi each; 1,944 psi setting pressure) PN: 124306-000014	4.500"	4.000"	84.98'
Stage 1 8869' 258bbbls		4-1/2" 11.60# N-80 LTC LINER JOINTS: 1 2 Packers Plus 4-1/2" Dual Hydraulic FracPORT® (11 pins at 391 psi each; 4,301 psi Upper) / (7 pins at 630 psi each; 4,410 psi Lower) PN: 121288-000001	4.500"	4.000"	42.87'
8922'		4-1/2" 11.60# N-80 LTC LINER JOINTS: 1 1 Packers Plus 4-1/2" Toe Circulating Sub w/ .75"-1.00"-1.25" Seat for High Pressure Ball (3 pins at 366 psi each; 1,098 psi closing pressure) PN: 103039-000005	4.500"	4.000"	40.13'
TMD 8958'		4-1/2" LTC Single Valve Float Collar PN: 104733-000001 4-1/2" LTC Single Valve Float Collar PN: 104733-000001 4-1/2" LTC Guide Shoe PN: 121704-000001	5.000"	3.875"	13.50'
			5.000"	4.000"	18.46'
			5.000"	4.000"	
			5.000"	2.25"	
Conway, AR	501-327-0241	Gary Leber	Bruce Broussard - (713)969-8467		

Wayne,

4/19/13 10:00 AM

Lincoln Trust #2H Revised

The placement will be 15" deeper than earlier reported. The packers & ports will be placed at the following measured depths:

MTD – 8958'

7" L-80 casing set @ 5220'

Guide shoe – 8934'

Toe sub – 8922'

Dual Hydraulic – 8869' **1st stage 164'**

RSIIS (anchor) – 8809'

RSII – 8710' **99' no treatment**

Frac port – 8615' **2nd stage 232'**

RSII – 8478'

Frac port – 8384' **3rd stage 229'**

RSII – 8249'

Frac port – 8155' **4th stage 230'**

RSII – 8019'

Frac port – 7928' **5th stage 227'**

RSII – 7792'

Frac port – 7698' **6th stage 225'**

RSII – 7567'

Frac port – 7475' **7th stage 225'**

RSII – 7342'

Frac port – 7247' **8th stage 231'**

RSII – 7111'

Frac port – 7020' **9th stage 227'**

RSII – 6884'

Frac port – 6790' **10th stage 229'**

RSII – 6655'

Frac port – 6561' **11th stage 229'**

RSII – 6426'

Frac port – 6331' **12th stage 230'**

RSII – 6196'

Frac port – 6105' **13th stage 223'**

RSII – 5973'

Frac port – 5883' **14th stage 226'**

RSII – 5747'

Frac port – 5653' **15th stage 227'**

RSII – 5520'

Frac port – 5426' **16th stage 228'**

RSII – 5292'

SF Liner Hanger packer set @ 5111' (109' into 7' casing)

Tangent from 4907' to 5064' avg 79.6 degrees



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Lincoln Trust #2 H
Location: Section 14 - Township 34 South - Range 11 West
License Number: API: 15-007-23998-01-00 **Region:** Barber County, KS
Spud Date: March 21, 2013 **Drilling Completed:** April 13, 2013
Surface Coordinates: N 1/2 - NE 1/4 - SE 1/4
2310' FSL and 660' FEL
Bottom Hole Coordinates:
Ground Elevation (ft): 1375' **K.B. Elevation (ft):** 1392'
Logged Interval (ft): 3000' **To:** 5234' **Total Depth (ft):** 5234'
Formation: Heebner ----> Mississippian
Type of Drilling Fluid: Chemical mud, Water/Flozan
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: Billy G. Klaver
Company: Woolsey Operating Co. LLC
Address: 125 N. Market, Wichita Kansas, 67202

COMMENTS

Surface Casing: 20" X 53#/ft conductor set at 45' with 4.5 yds of grout. Ran 8 joints of new 13 3/8" X 48#/ft casing to 329' KB (tally 329") with 330 sx Class A, 2% cc, 3% gel. Cement did circulate.
Ran 124 joints of new 7" X 23#/ft intermediate casing to 5221' KB with 250 sx.

Dan D Rig 6 Bit Record"

#1 17 1/2" RT RR in at 45', out at 335'

#2 12 1/2" RT RR in at 335', out at 771

#3 8 3/4" RTC R-25-APDH, out at 3996' #4 8 7/8" RTC R-25AP out at 5234', #5-8 6 1/8" RTC R-50 PDH

Gas Detector: Woolsey Operating Co, Gas Trailer #2

Mud System: Mud-Co. Brad Bortz, Terry Ison, Engineers

Calmena: Heath Marshall, Mark Sanders, Directional Drillers,

MWD Hands: Shane Lewis, David Jay

REMARKS


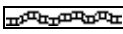
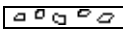
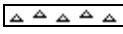


CREWS







Steven Ellington, Tool Pusher, Sammy Fry Relief Pusher


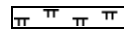
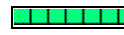
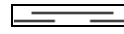


Jack Lambert, Johnnie Stone, Daytime drillers






Terry Stark, Tanner Barber, Night drillers

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
 Shysltst
 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
- Sltstn

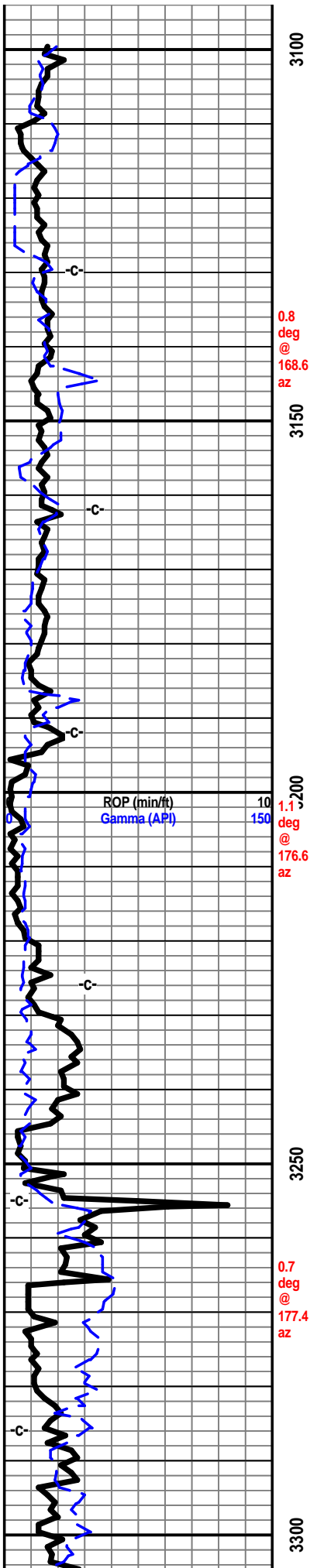
STRINGER

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

TEXTURE

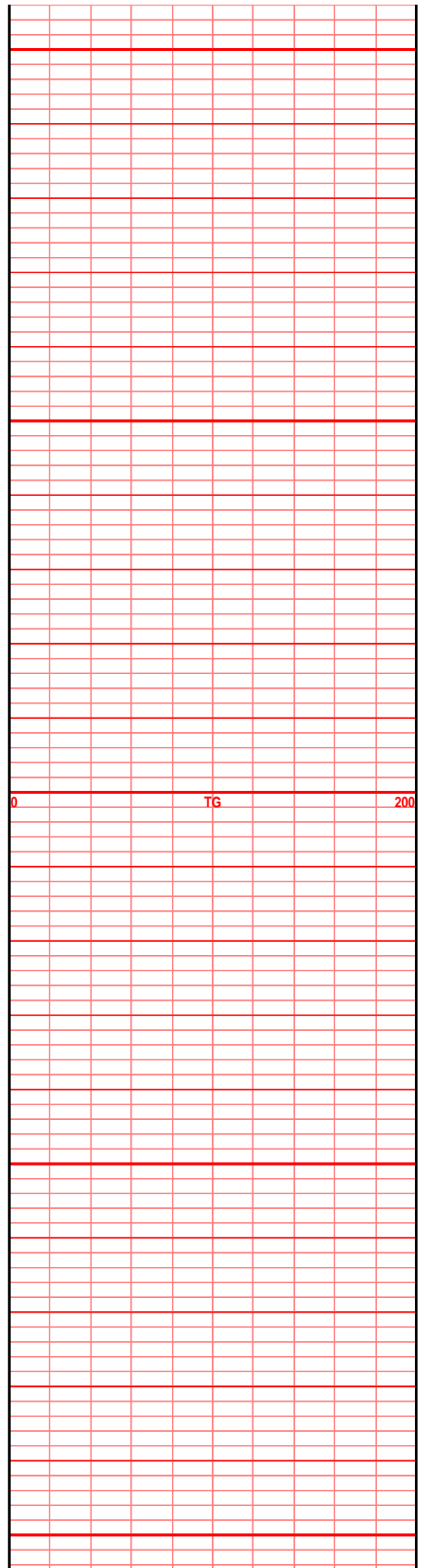
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

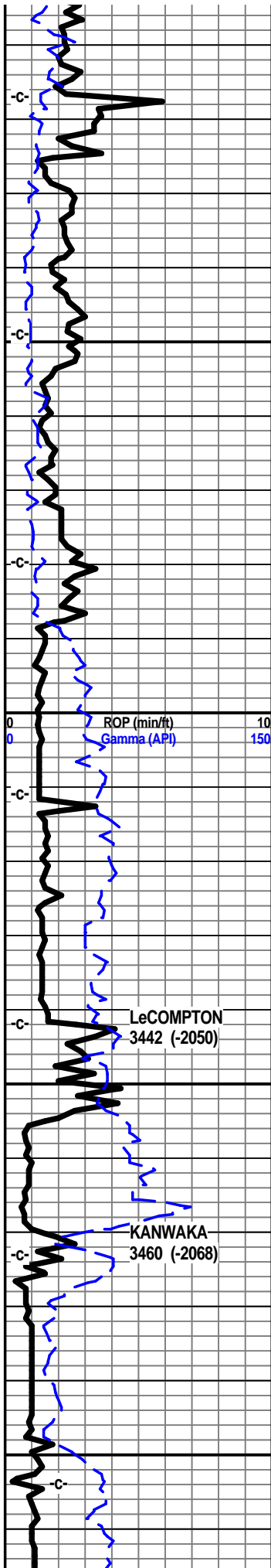
Curve Track 1						
ROP (min/ft) Gamma (API)	Depth	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5	<ul style="list-style-type: none"> TG (units) C1 (units) C2 (units) C3 (units) C4 (units) C5 (units)
0 ROP (min/ft) 10 0 Gamma (API) 150	30			<p>Control wells: Woolsey Operating Co. Lincoln Trust #1, N 1/2 SE 1/4, 14-34S-11W, Tri-Ex's Miller #1, SW NW NE NE, 23-34S-11W, Kimmel's RV Nelson #1 OWWO, NE SW NW SW, 24-34S-11W.</p> <p>Daily Activity as of 7 am: March 21, 2013 Set conductor March 22, 2013 MIRT, Dan D Drlg Rig 11 March 23, 2013 Spud 7 am March 24, 2013 Rat hole ahead at 410' March 25, 2013 Nipple up BOP, pick up directional tools at 771' March 26, 2013 Drilling at 1080' March 27, 2013 Drilling at 1860' March 28, 2013 Drilling at 2600' March 29, 2013 Drilling at 3411' March 30, 2013 TOOH at 3996' March 31, 2013 Drilling at 4240' April 1, 2013 Drilling at 4560' April 2, 2013 Drilling at 4797' April 3, 2013 Drilling at 5155' April 4, 2013 Running 7" casing April 5, 2013 Drill plug 8 am</p>	0 TG 200	
	3050					



Sample Tops: (TVD)

- Lecompton 3442 (-2050)
- Kanwaka 3460 (-2068)
- Heebner 3658 (-2266)
- Toronto 3666 (-2274)
- Douglas 3715 (-2323)
- Brown Lime 4076 (-2684)
- Quindaro 4177 (-2785)
- Iola 4216 (-2824)
- Stark 4344 (-2952)
- Hushpuckney 4377 (-2985)
- Pawnee 4531 (-3139)
- Cherokee Grp 4576 (-3184)
- Mississippi 4630 (-3239)





0.6 deg @ 43.4 deg

3350

1.0 deg @ 30.8 az

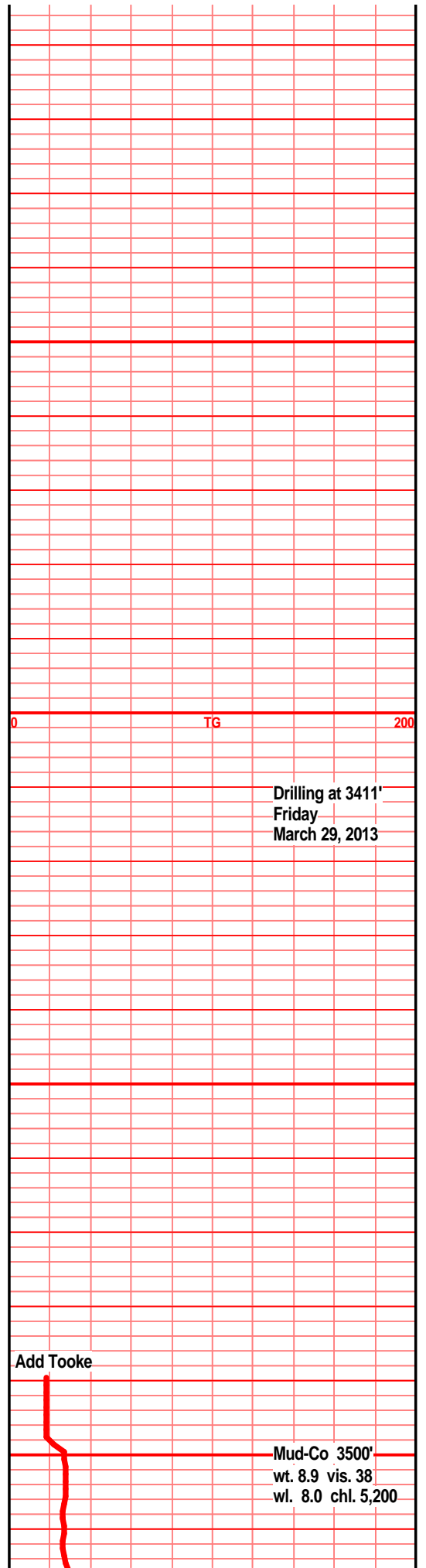
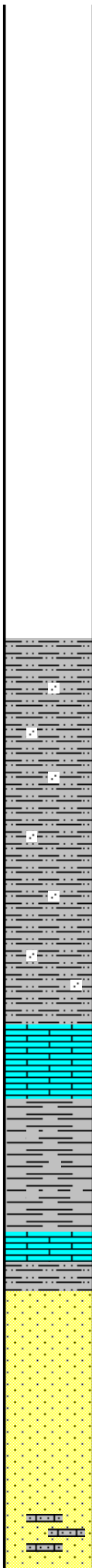
3400

0.5 DEG @ 28.5 AZ

3450

3500

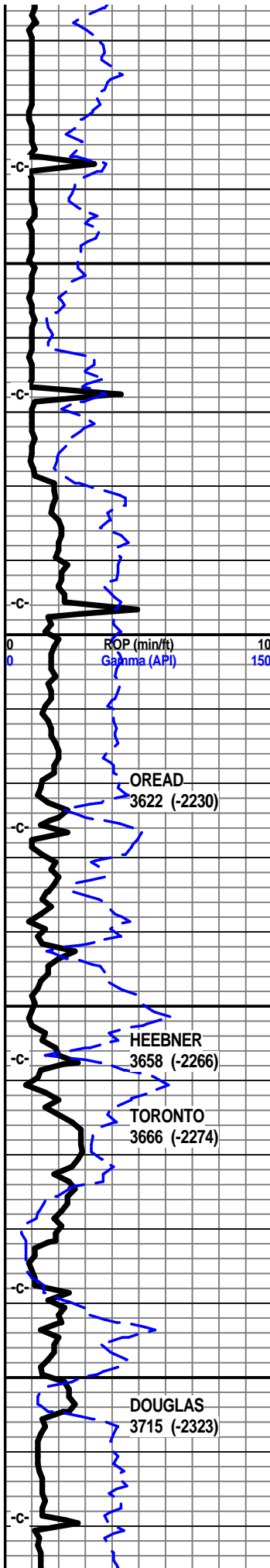
0.5 deg



Drilling at 3411'
Friday
March 29, 2013

Add Tooke

Mud-Co 3500'
wt. 8.9 vis. 38
wl. 8.0 chl. 5,200



@ 29.2 az

3550

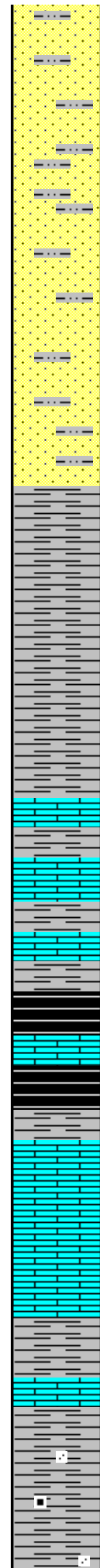
0.6 deg @ 39.9 az

3600

3650

0.6 deg @ 27.8 az

3700



sst off wht lt gry, tr lt gry green, f grnd, prly sorted, ang/sub ang grains, prly cem to sub fria, calc cem, tr arg, blk min specks, tr glau, tr blk carb flks

shl gry med gry, sndy, silty gritty, sst aa

shl gry med gry, gritty, silty, mic, lst tan drk tan brn f vf xln dns hrd blk ang, tr calc xln fill, tr micro foss frags

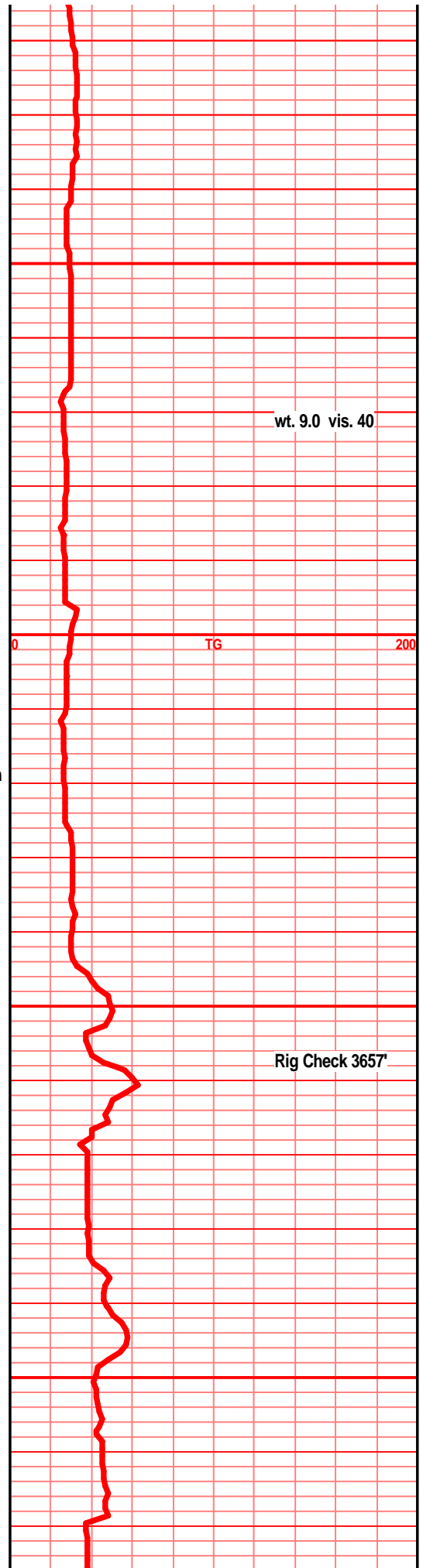
shl gry med gry silty calc, lst tan gry drk gry/brn f vf lxn dns hrd blk ang calc fill, arg/clay fill, tr micro foss frags

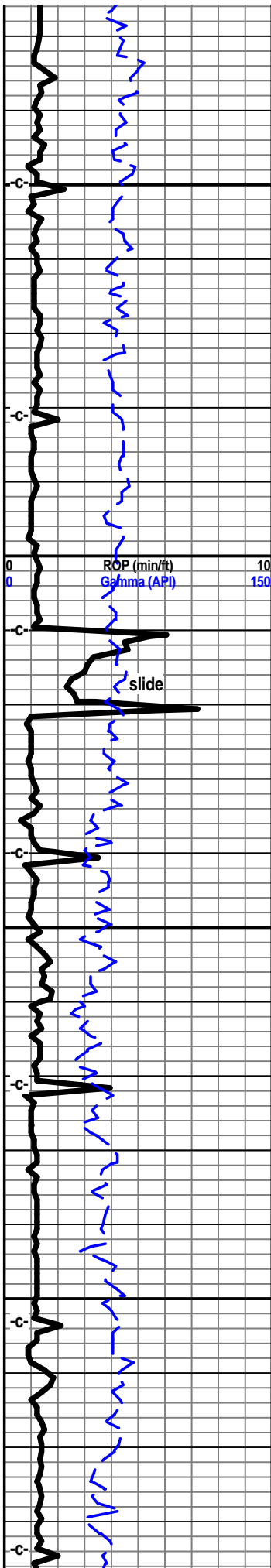
shl gry drk gry gry/brn, drk brn/blk, blk carb, wxy grsy, silty, abun gas bubs, in spl: lst tan gry brn f vf xln dns hrd blk ang

lst wht off wht, f sli med xln, gran soft, sub chlky, tr micro foss, inter xln gran por, abun wht shrp frsh opaqr chrt shards,

shl gry med gry silty gritty calc, lst tan gry some lt brn/brn, f sli vf xln dns hrd blk ang arg, some silty, gritty, sndy text,

shl gry med gry silty gritty, vf grnd sub ang/ang snd grn inclu, mic in prt, blk carb flk inclu



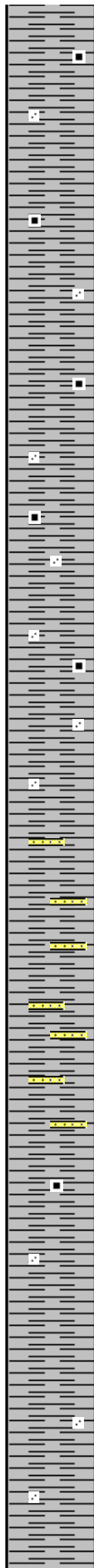


3750
1.0 deg @ 29.9 az

3800

3850
0.4 deg @ 18.7 az

3900



inclu

shl gry lt med gry, silty gritty, f vf grn snd grn inclu, sub ang/ang, mic in prt, blk carb flk inclu

shl gry lt gry silty gritty, sndy, vff grnd sub ang snd grn inclu, mic in prt, some blk carb inclu,

shl gry, lt med gry silty gritty, mic in prt, sndy gritty aa, blk carb pcs/inclu aa, spls wsh lt gry

shl gry med gry silty gritty sndy, mic in prt, sub ang/and snd grn inclu, tr/some blk carb flks,

shl gry med/lt gry, silty gritty, mic, carb flks, sub ang/ang clear snd grn inclu, prly srted, arg,

shl gry med/lt gry silty gritty mic, snd grn inclu aa, sst lt gry tr off wht, f grnd sub ang grnd, prly srted, prly cem, calc cem, sub fria

shl gry lt med/lt gry silty gritty, sndy, mic. sub ang/ang snd grn inclu, tr blk carb flks, sst aa,

shl gry med gry, tr lt med drk gry silty soft gritty,

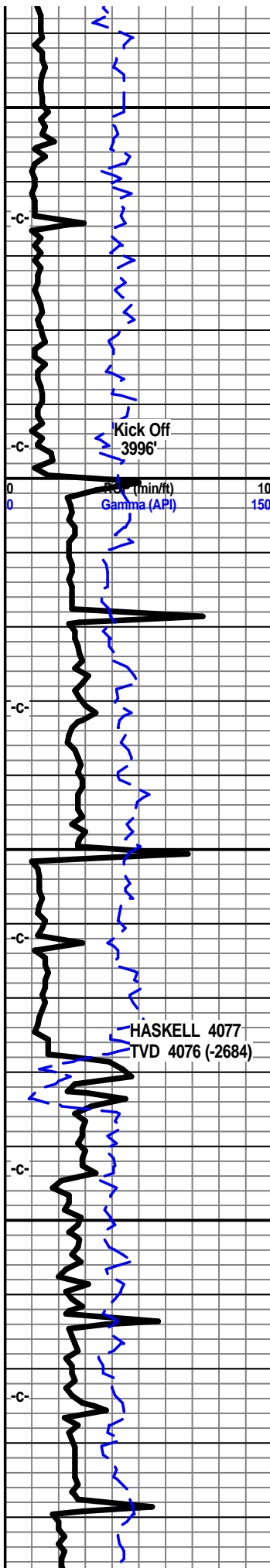


3750' 6 pm
Mar. 29, 2013

TG wt. 9.1 vis. 49 200

wt 9.0 vis. 48

wt. 9.0 vis. 48



0.5 deg @ 40.5 az
3930

0.1 deg @ 198.7 az
4000

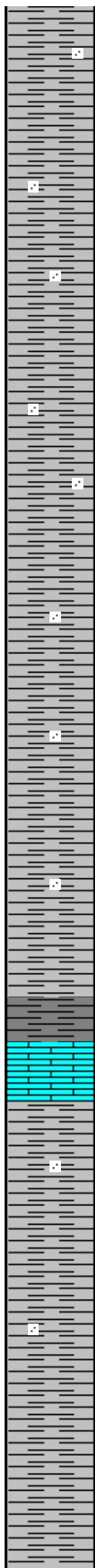
2.0 deg @ 185.6 az
4076

4.7 deg @ 182.1 az
4076

8.2 deg @ 181.3 az
4076

11.7 deg @ 180.0 az
4100

14.8 deg @ 179.3 deg



shl gry drk med lt drk gry silty gritty soft gran in prt, tr mic, tr sndy gritty text,

shl gry med gry, silty, some gritty, tr mic, tr sndy, some snd gran inclu, gran blk in prt,

sh gry med some drk gry, silty gritty, some snd inclu, soft muddy in prt, wsh drk gry, some foss frags

shl gry, med drk gry, silty soft, muddy in pr, gritty in prt, spls wsh drk gry, new spl catcher needs to improve!

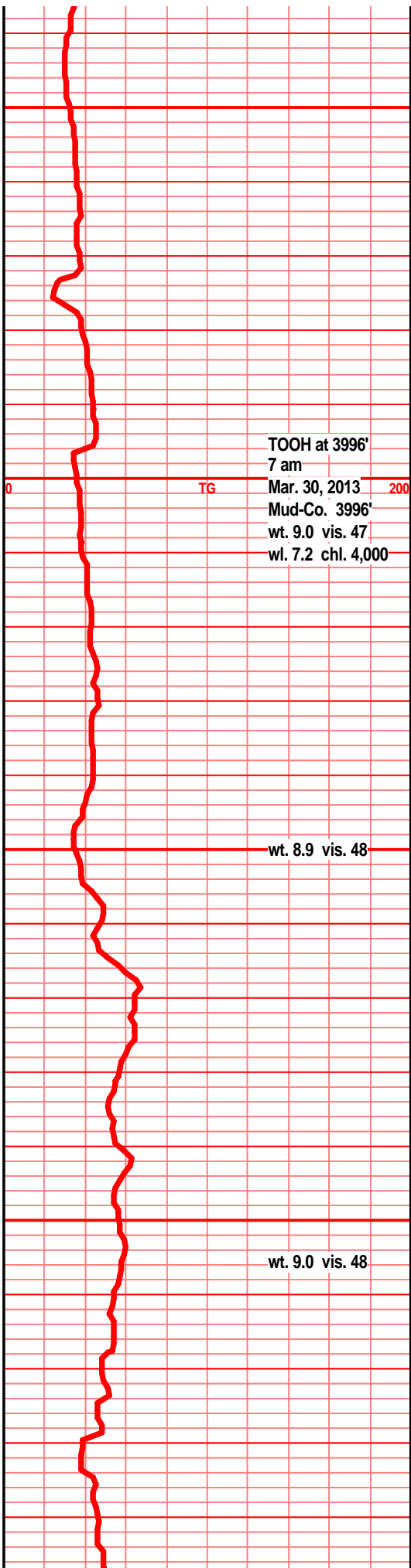
shl gry med drk gry, silty soft blk muddy, gritty in prt

shl med/drk gry silty soft muddy, tr gritty gran, wsh drk gry, lst drk tan brn, f sli med xln blk ang dns hrd, tr foss frags, calc xln fill

shl gry me drk gry silty tr gritty, blk ang soft muddy pcs

shl gry med gry drk gry, soft silty gran muddy, spls wsh drk gry

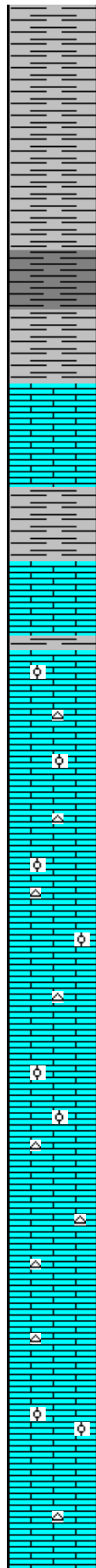
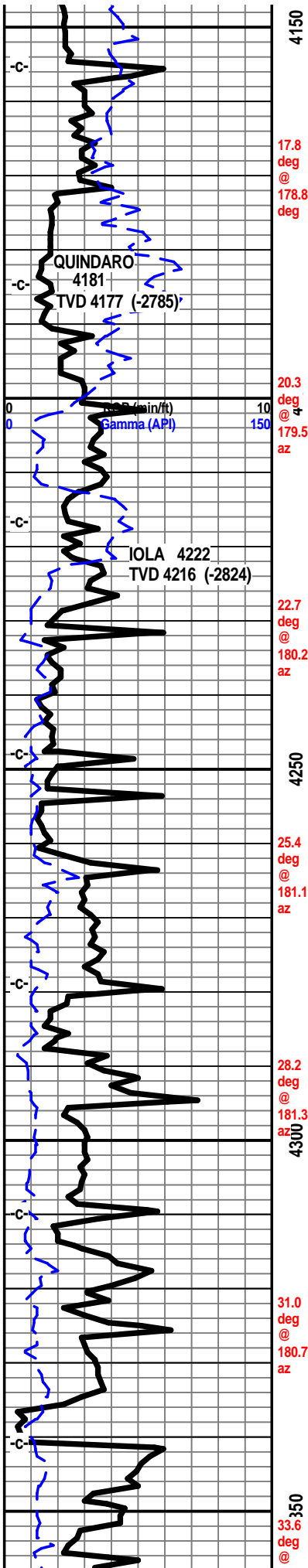
shl gry drk gry silty soft muddy



TOOH at 3996'
7 am
Mar. 30, 2013
Mud-Co. 3996'
wt. 9.0 vis. 47
wl. 7.2 chl. 4,000

wt. 8.9 vis. 48

wt. 9.0 vis. 48



shl gry dkr gry soft silty gritty muddy

shl drk gry, silty soft, muddy, tr blk carb text, wxy grsy text, gas bubs

lst crm gry tan buff tan f sli med xln sub chlky foss frags, calc xln fill, much drk gry blk shls, semi carb in some

shl gry calc, lst off wht tan buff f xli med xln gran sub chlky, foss frags, tr foss ool, calc xln fill

lst wht off wht lt gry buff, f sli med xln, blkly ang flky, sub chlky, foss frags, tr foss ool, calc xln fill, tr chrt wht shrp frsh opa

lst wht off wht lt gry tr buff f xli med xln blkly flky, sub chlky to chlky, foss frags, calc xln fill, foss ool, chrt wht shrp frsh

lst wht off wht lt gry tr buff, f sli med xln blkly flky, foss frags, foss ool, sub chlky to chlky soft gran, chrt wht shrp frsh opa.

lst wht off wht lt gry, tr buff, f sli med xln, blkly flky ang gran, calc xln fill, foss frags, tr ool, chrt wht shrp frsh opa

lst wht off wht crm f sli med xln gran sub chlky to chlky, foss frags, foss ool, crsly in prt, calc xln fill, tr chrt wht shrp frsh opa

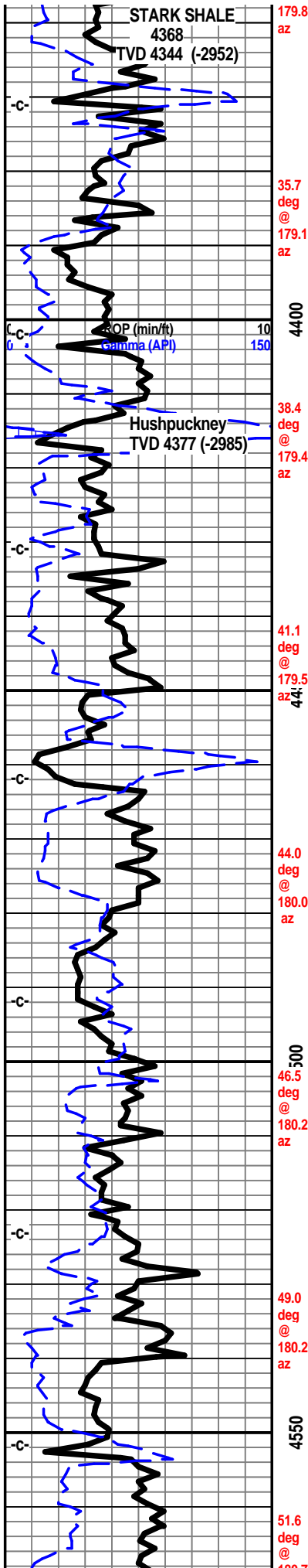
lst wht off wht crm some tan f sli med xln gran

wt. 9.0 vis. 46

Tam 4240'
 Sunday
 Mar. 31, 2013
 Easter Sunday

Mud-Co. 4293'
 wt. 9.0 vis. 46
 wl. 6.4 chl. 2,000

wt. 9.1 vis. 46



flky sub chiky to chiky, calc xin fill, foss frags, foss ool, chrt wht shrp frsh opa

lst wht off wht crm, f sli med xin gran flky sub chiky to chiky calc xin fill, foss frags, foss ool, mucho blk carb shl, wxy grsy gassy pcs

lst crm off wht wht f sli med xin, flky gran blk ang pcs, sub chiky to chiky foss frags, chrt wht shrp frsh opa

shl gry drk gry blk, blk carb, wxy grsy gassy pcs, lst crm tan lt gry some lt gry brn f xin gran sub chiky foss frags, chrt wht shrp frsh opa

lst wht crm tan off wht f xin blk ang sub chiky, foss frags, calc xin fill, tr foss ool, tr chrt wht shrp frsh opa

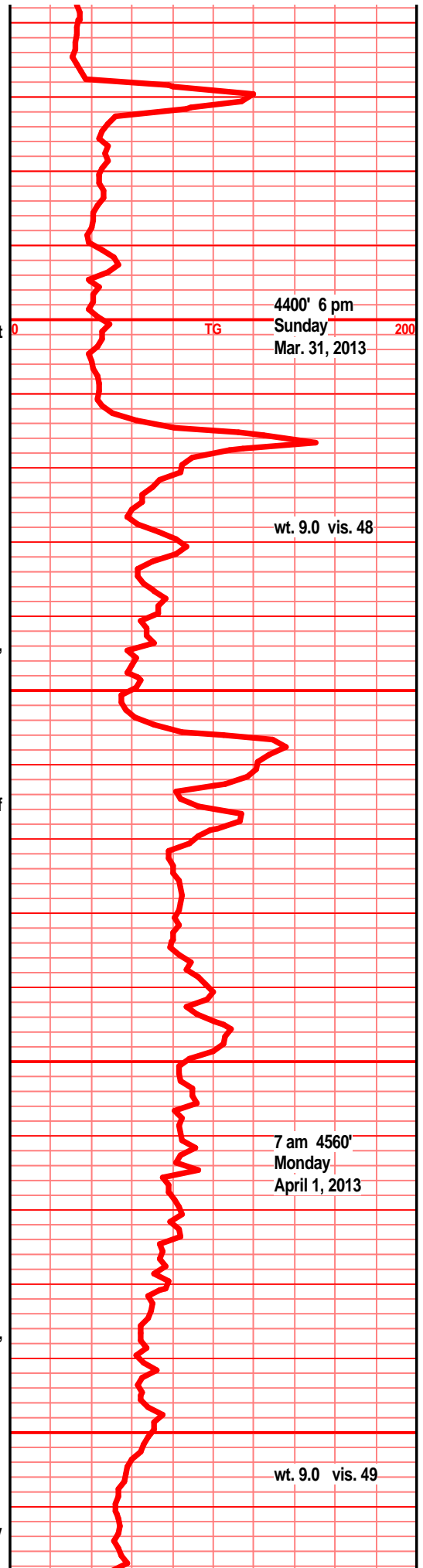
shl gry blk, tr blk carb, lst tan gry crm f some vf xin blk ang dns hrd, tr micro foss frags, tr gry tan frsh opa chrt

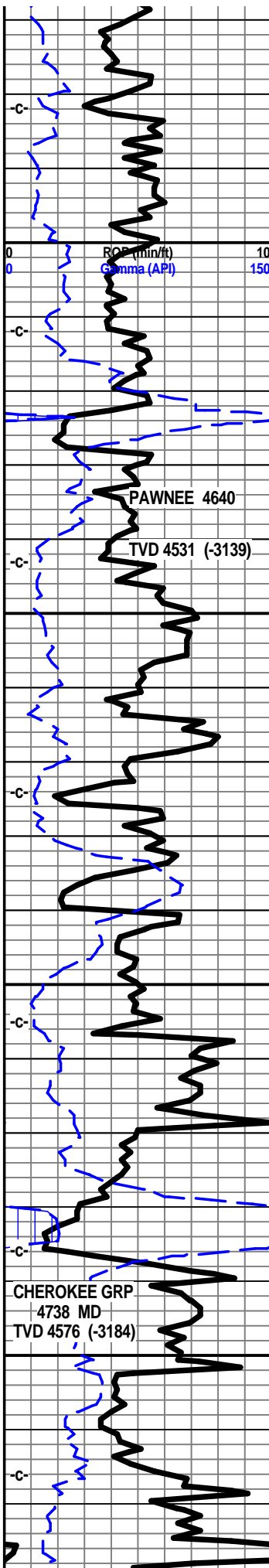
shl gry green blue/green silty gritty pyritic, shl gry brn silty gritty, lst gry tan brn f vf xin dns hrd blk ang, micro foss

lst crm tan lt gry, tr gry brn f tr vf xin dns hrd blk ang, tr micro foss, tr chrt tan brn shrp frsh opa, shl gry tan brn calc, tr foss content

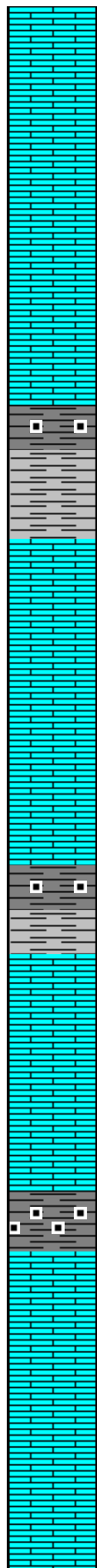
lst crm tan gry, tr gry brn, f vf xin gran arg silty, tr gritty, tr sub chiky some foss frags, tr chrt gry tan brn shrp frsh

lst gry tan brn f vf xin gran blk dns hrd arg, shls gry brn silty gritty calc, tr gry green, gritty sndy in prt





180.7 az
 54.2 deg @ 180.7 az
 40
 57.1 deg @ 180.6 az
 4650
 60.5 deg @ 179.8 az
 4700
 66.1 deg @ 179.5 az
 66.1 deg @ 179.5 az
 68.7 deg @ 179.5 az
 71.7 deg



lst crm buff, f vf xln blk ang flky, sub chlky in prt, tr micro foss, tr calc xln fill,

lst crm buff tan f vf lxn blk ang dns hrd, tr micro foss frags, calc xln fill, tr sub chlky, micro foss frags is prt

shl gry drk gry blk, shl blk carg, wxy grsy tr gassy pcs, lst dull tan gry f vf xln dns hrd arg, silty, gran, tr foss frags

lst crm gry tan tr tan lt brn/gry f vf lxn dns hrd blk ang arg, tr silty, tr micro foss frags, shls gry, drk gry/brn silty calc

lst crm wht buff, f vf lxn dns hrd blk ang pcs, some sli sub chlky, micro foss frags, tr calc xln fill,

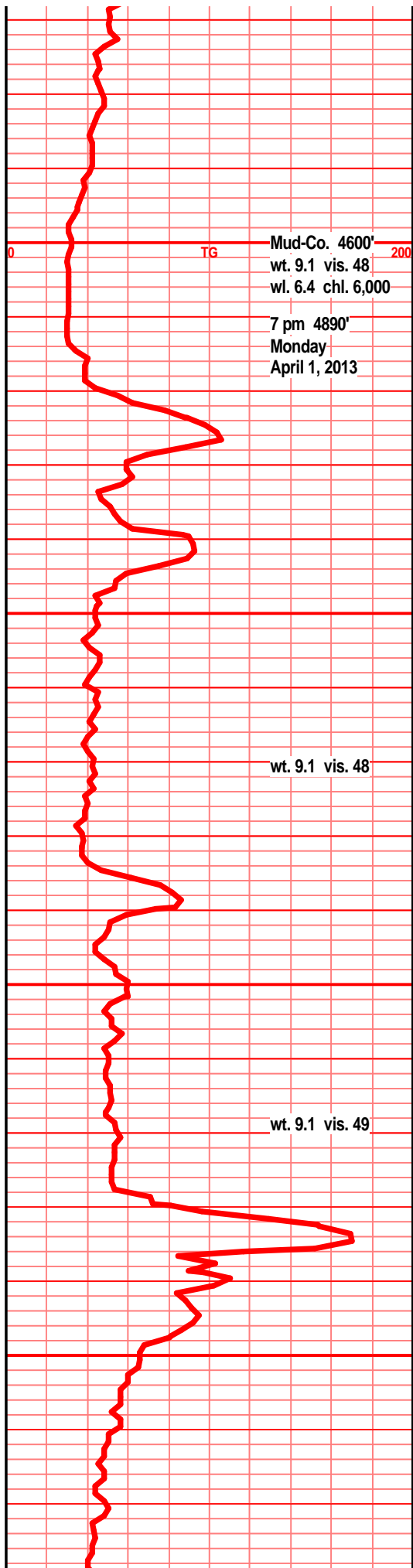
shl gry blk, blk carb flks, grsy wxy pce, shl drk gry brn silty gritty, lst tan buff off wht f vflxn dns hrd ang blk, tr calc xln fill, some micro foss

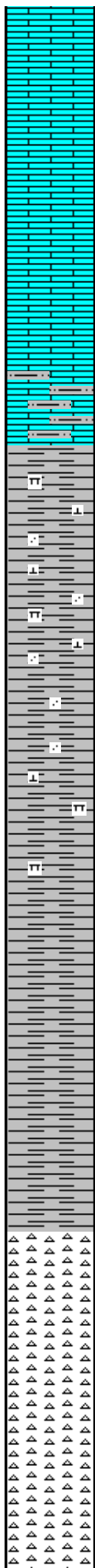
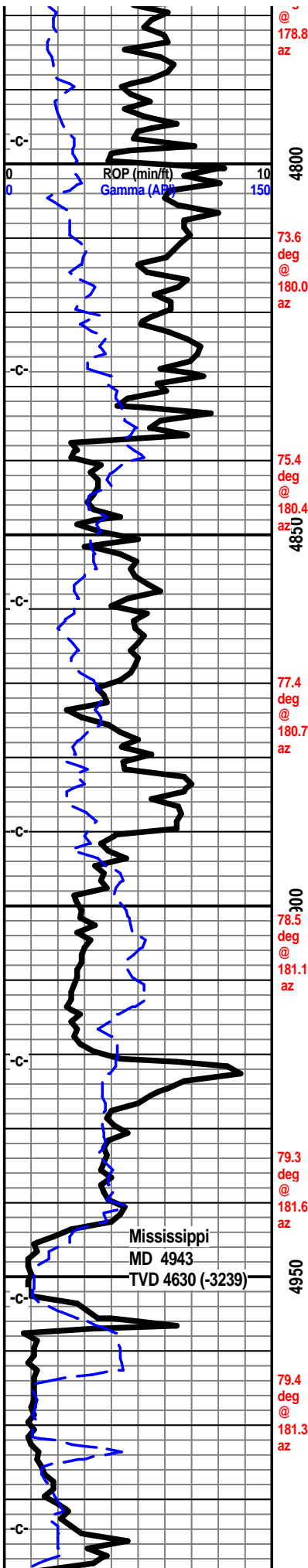
lst crm buff tan off wht f vf xln blk dns ang hrd, flky, tr sub chlky, tr micro foss frags,

shl gry drk gry brn, drk gry blk, carb, wxy grsy tr gassy pcs, lst tan crm off wht f xln blk ang tr flky pcs, tr micro foss frags,

lst crm buff tan off wth f vf xln blk ang hrd dns pcs, sub chlky in prt, micro foss frags,

lst off wht crm tan, tr tan brn f vf xln dns hrd blk ang, micro foss frags, tr sub chlky, tr calc





xln fill, shl gry drk gry brn silty calc

lst crm buff tan tr lt gry f vf xln dns blk ang hrd, micro foss, sndy gritty in prt, shls gry, drk gry brn silty calc silty,

lst crm tan buff, gry brn f vf xln dns hrd blk ang flky, tr sub chlky, micro foss, calc fill, gritty sndy text in prt, shls gry, gry brn silty gritty sndy

shl gry green, gry brn reddish, blue gry, tr maroon yellow to vari color, silty gritty, with snd grn inclusions

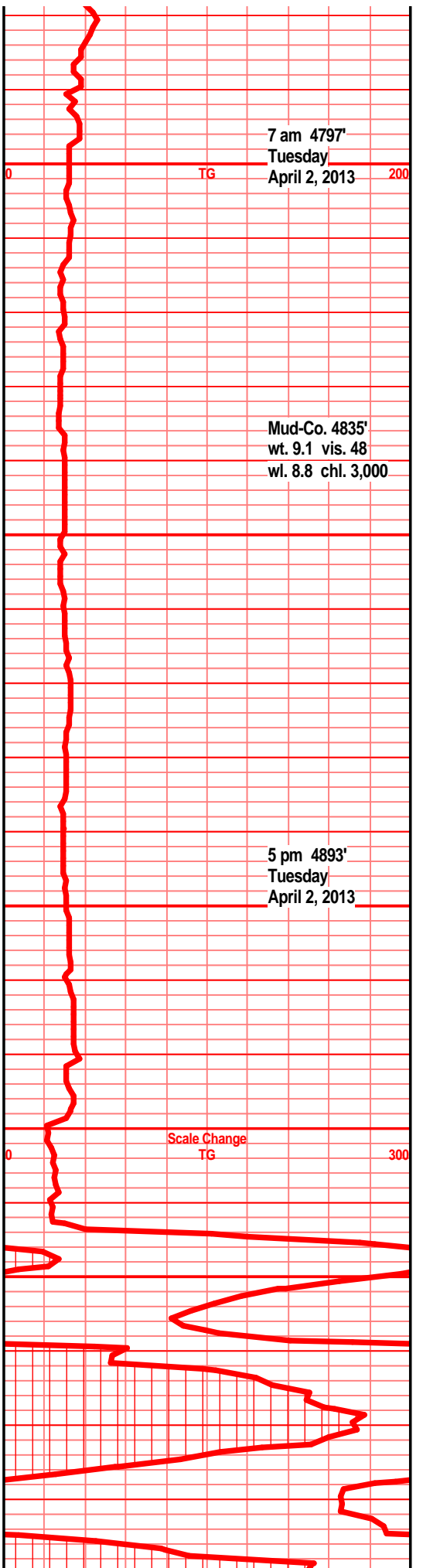
shl gry drk gry, green gry green blue maroon, yellow, vari color, silty gritty, calc in prt, snd grn inclu in some ratty splintery in prt

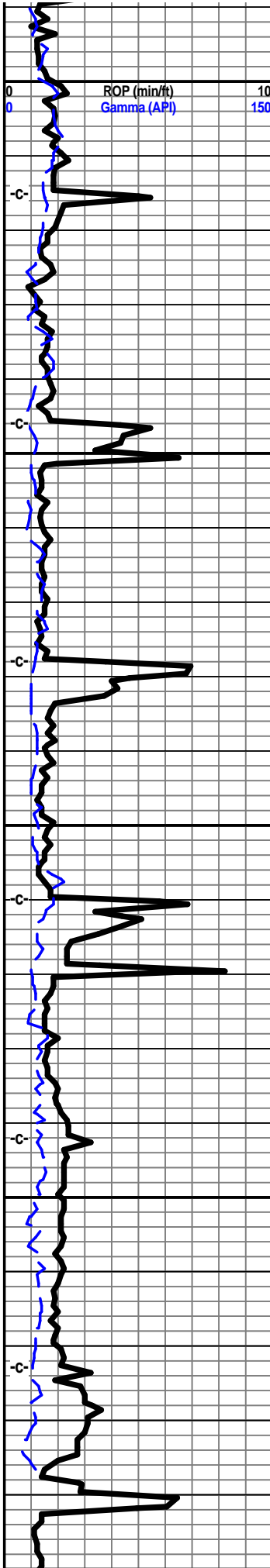
shl gry green, blue green, maroon, yellow, yellow blk, sndy gritty, ratty, splintery,

shl gry green, blue grey green, maroon, yellow, red, silty gritty vari color, sndy, snd grn iclu, ratty, splintery

chrt wht, off wht, clr, smokey, shrp frsh opa, shrp blk ang pcs, tr weath text edges, tr gas bubs, tr drk hvy stain, sli odor ? mostly frsh shrp ang pcs

chrt off wht lt gry smokey, blue/gry shrp frsh opa, semi transl, tr clr, tr weath gran edges, pp moldic por on sli weath edge, tr hvy blk stain vssgas bubs, tr hvy stain, odor?





79.6 deg @ 5 180.9 az
 80.4 deg @ 180.7 az
 80.9 deg @ 180.6 az
 81.3 deg @ 180.4 az
 87.8 deg @ 180.0 az
 84.3 deg @ 180.0 az
 86.4 deg @ 180.9 az

chrt off wht lt gry, blue gry smokey , shrp frsh opaq, semi transl, chrt tan lt brn with weath gran sli trip text edges, pp moldic por, tan brn stain, tr hvy brn stain, gas bubs, sli odor, filmy SFO on sample tray water

chrt wht off wht, lt gry, lt blue gry smokey shrp frsh opaq, chrt tan gry brn mott gran weath text edges, pp moldic por, tan brn stain, drk hvy stain, gas bubs, scat dull UY, sli odor, filmy SFO

chrt off wht lt gry, lt blue gry smokey shrp frsh opaq, blk ang, semi transl, chrt with tan brn mott, weath gran edge text, pp moldic por, sli odor, tan brn stain, SSFO, filmy SFO, scatt dull UV

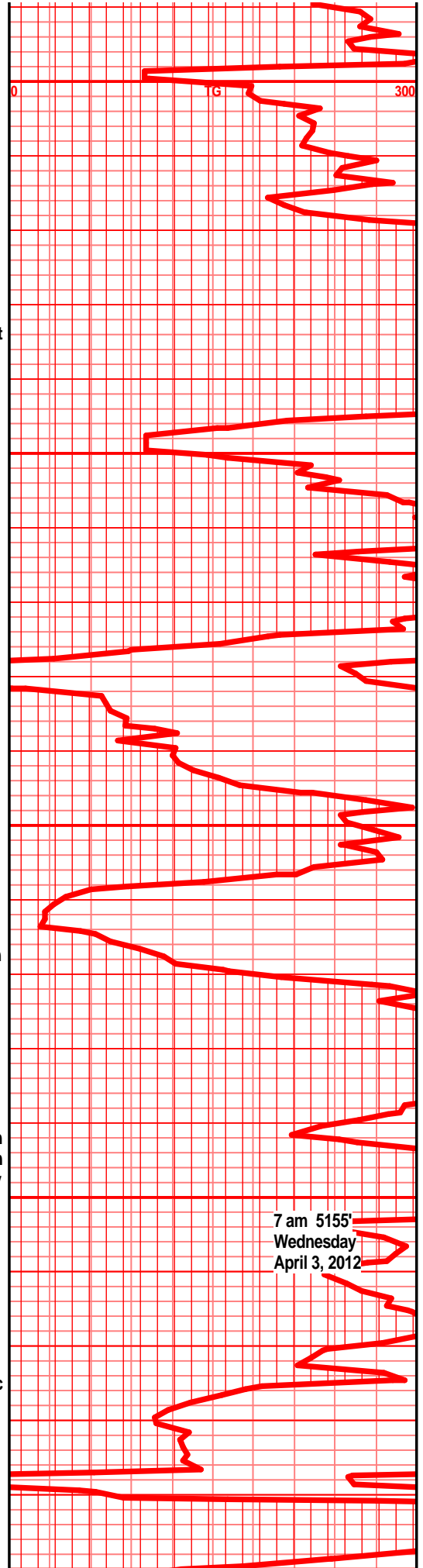
chrt off wht lt gry, gry/smokey, shrp frsh opaq semi transl, tan brn mott, weath gran sli trip text, tan brn edge stain, VSSFO, sli odor, dull UV, filmy SFO on spl water

chrt off wht lt gry, clr, lt gry tr gry smokey shrp frsh opaq, semi transl, tan brn mott with weath gran sli trip text edges/sides, tan brn stain, VSSFO, stain, tr gas bubs, scat dull UV

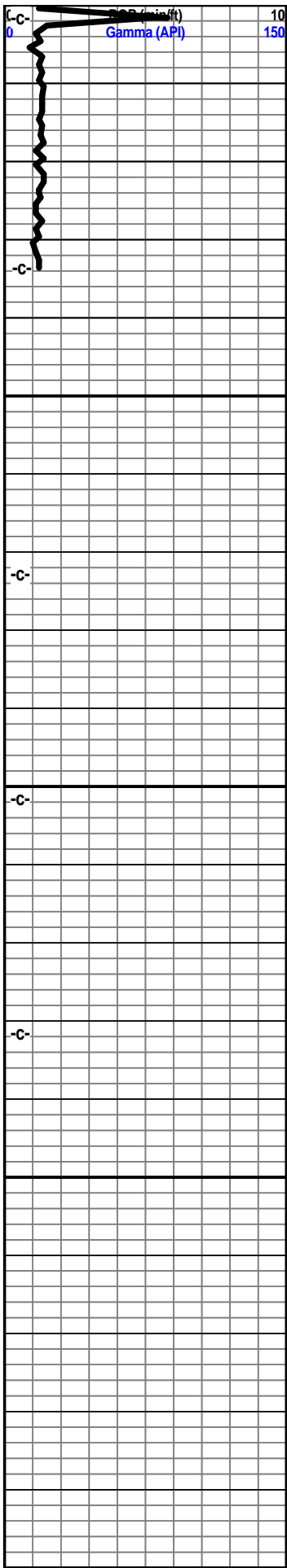
chrt off wht lt gry frsh shrp blk ang with weath sli trip gran edges/sides, some spongy text, tan brn pp and moldic por with tan brn stain, tr hvy blk stain, sli odor, gas bubs, scat dull UV

chrt wht off wht, lt gry, tr smokey opaq semi transl, incr spongy text, sli gran chlky, chrt tan lt brn mott, weath gran sli trip edges, pp moldic por, tan lt brn stain, sli odor, sli gas bub, dull scatt UV, tr hvy blk stain

chrt wht off wht. some lt arv smokev with frsh



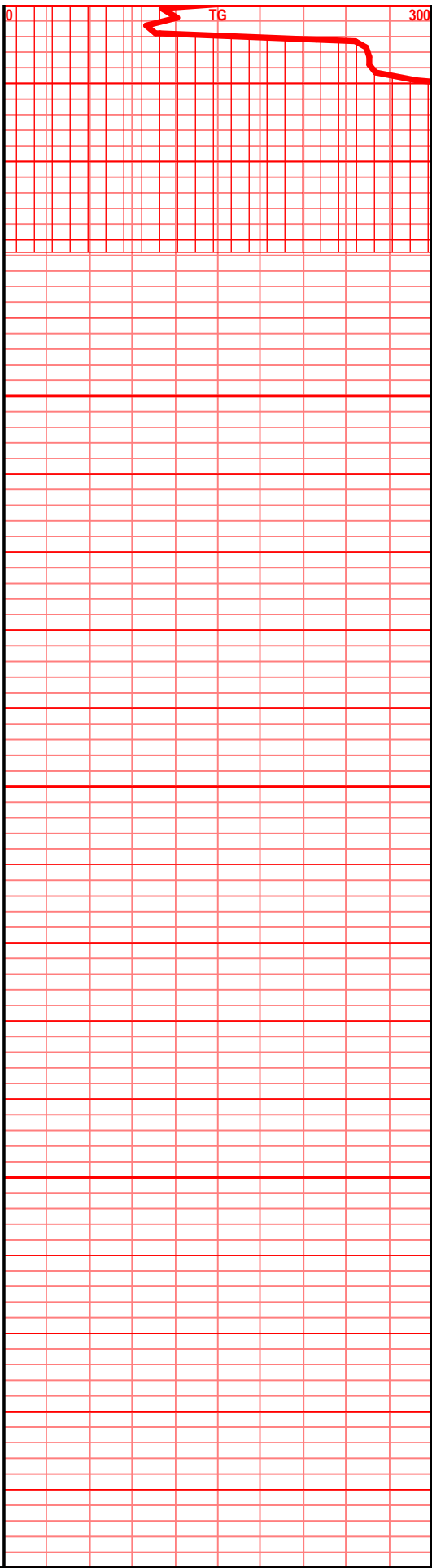
7 am 5155'
 Wednesday
 April 3, 2012

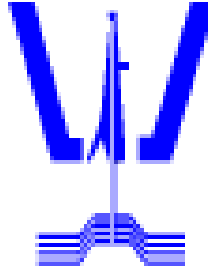


52
5250
5300
5350
00

shrp opaq semi trans text, chrt tan lt brn brn
mott weath gran sli spongy slt trip text, pp
moldic por, tan brn stain, SSFO, sli odor, tr hv
blk stain dull scatt UV

chrt wht off wht, some gry smokey, with shrp
frsh opaq semi transl text, chrt tan wht brn
mott, weath gran sli spongy text, pp moldic
por, tan brn stain sli odor, gas bubs





Woolsey Operating Company, LLC

Scale 1:600 (2"=100') Metric
Measured Depth Log

Well Name: Lincoln Trust #2 H
Location: Section 14 - Township 34 South - Range 11 West
License Number: 15-007-23998-01-00 Region: Barber County, KS
Spud Date: March 21, 2013 Drilling Completed: April 13, 2013
Surface Coordinates: Approx. S1/2 - N1/2 - NE - SE
2305' FSL and 660' FEL
Bottom Hole
Coordinates:
Ground Elevation (m): 1375' K.B. Elevation (m): 1392'
Logged Interval (m): 3800' To: 8958' Total Depth (m): 8958'
Formation: Heebner -----> Mississippian
Type of Drilling Fluid: Chemical mud, Water/FloZan
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, Kansas 67202

GEOLOGIST

Name: Bill Klaver
Company: Woolsey Operating Company, LLC
Address: 125 N. Market Suite 1000
Wichita, Kansas 67202









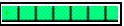









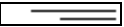

Comments

Gas Detector: Woolsey Operating Co. Gas Trailer #2
Mud System/Material: Mud Co. Brad Bortz, Terry Ison, Mud Engineers
Directional Systems: Calmena, Heath Marshall, Mark Sanders, Directional Drillers.
MWD Hands: Shane Lewis, David Jay

Crew Info

Tool Pusher Steve Ellington, Sammy Fry Relief Pusher
12 hour/7 day Tours: Daylights: Johnnie Stone, Jack Lambert
Evenings: Tanner Barber, Terry Stark
Dan D Bit Record:
1) 17 1/2" Reed RR-RT out at 335', 2) 12 1/2" Reed RR-RT out at 771', 3) 8 3/4" RTC R-25-APDH out at 3996', 4)
8 3/4" RTC R-25AP out at 5234', 5-8) 6 1/8" RTC R-50 PDH.

ROCK TYPES

	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Brecfrag
 Calc
 Carb
 Chtdk
 Chtlt
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau

Gyp
 Hvymin
 Kaol
 Marl
 Minxl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff

FOSSIL

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

Ostra
 Pelec
 Pellet
 Pisolite
 Plant
 Strom

STRINGER

Anhy
 Arg
 Bent
 Coal
 Dol
 Gyp
 Ls
 Mrst

Sltstrg
 Ssstrg

TEXTURE

Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

OTHER SYMBOLS

POROSITY

Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint

Vuggy

SORTING

Well
 Moderate
 Poor

ROUNDING

Rounded
 Subrnd
 Subang
 Angular

OIL SHOW

Even

Spotted
 Ques
 Dead

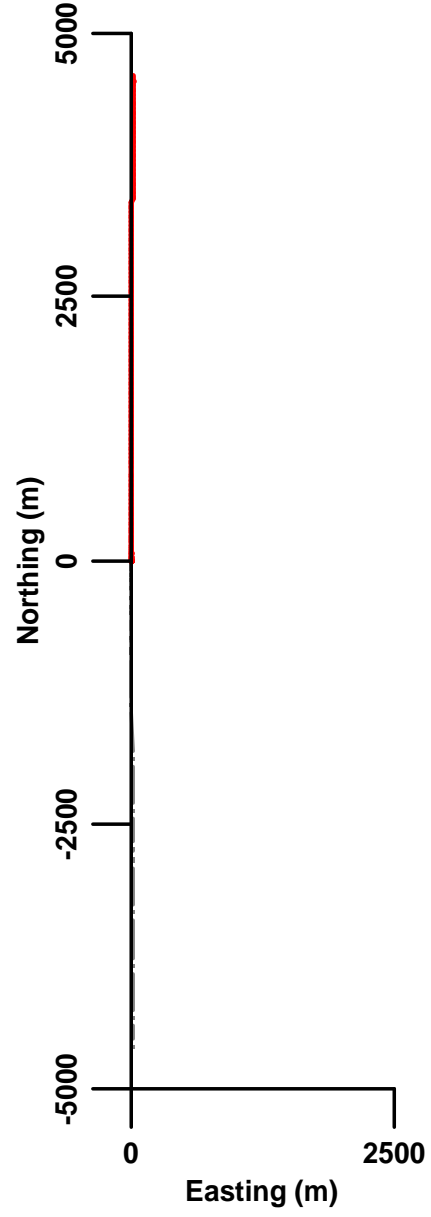
INTERVAL

Core
 Dst

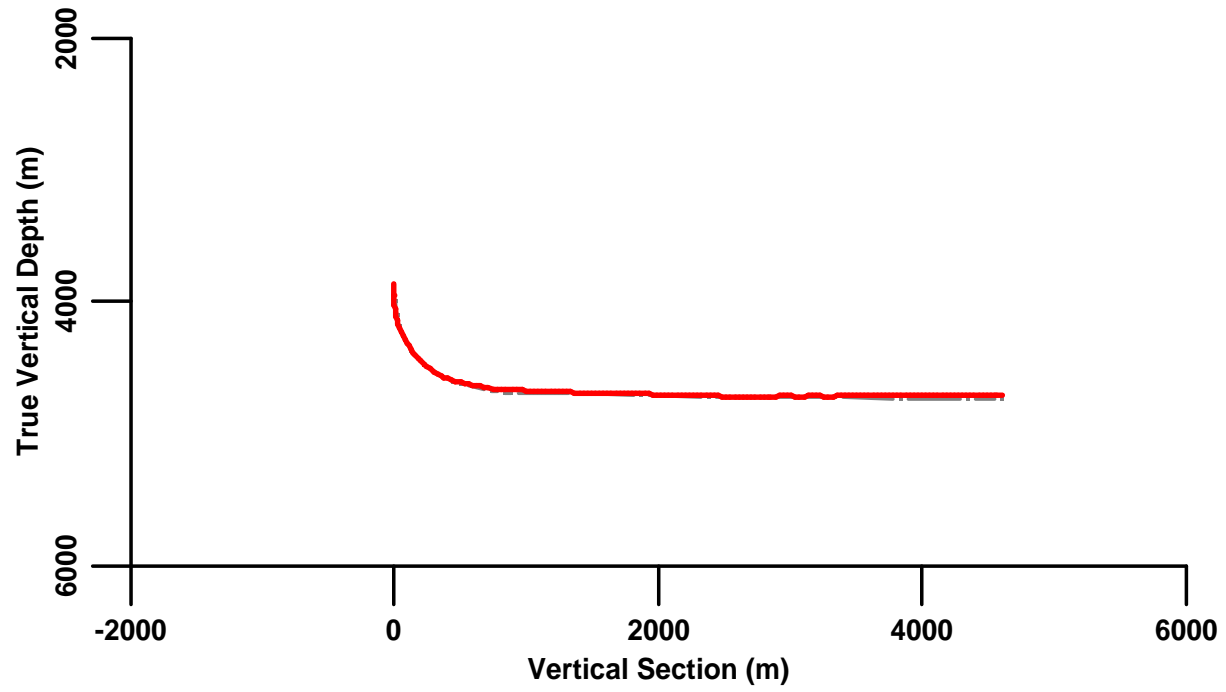
EVENT

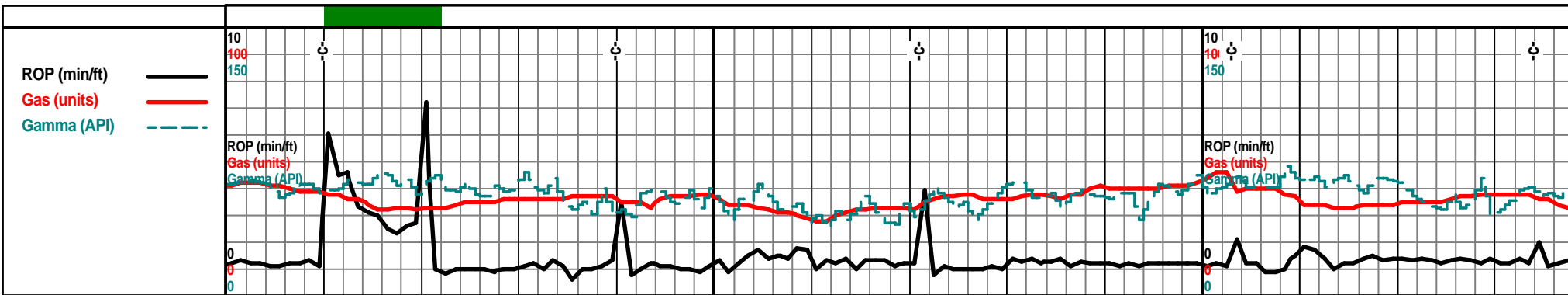
Rft
 Sidewall

Plan



Elevation

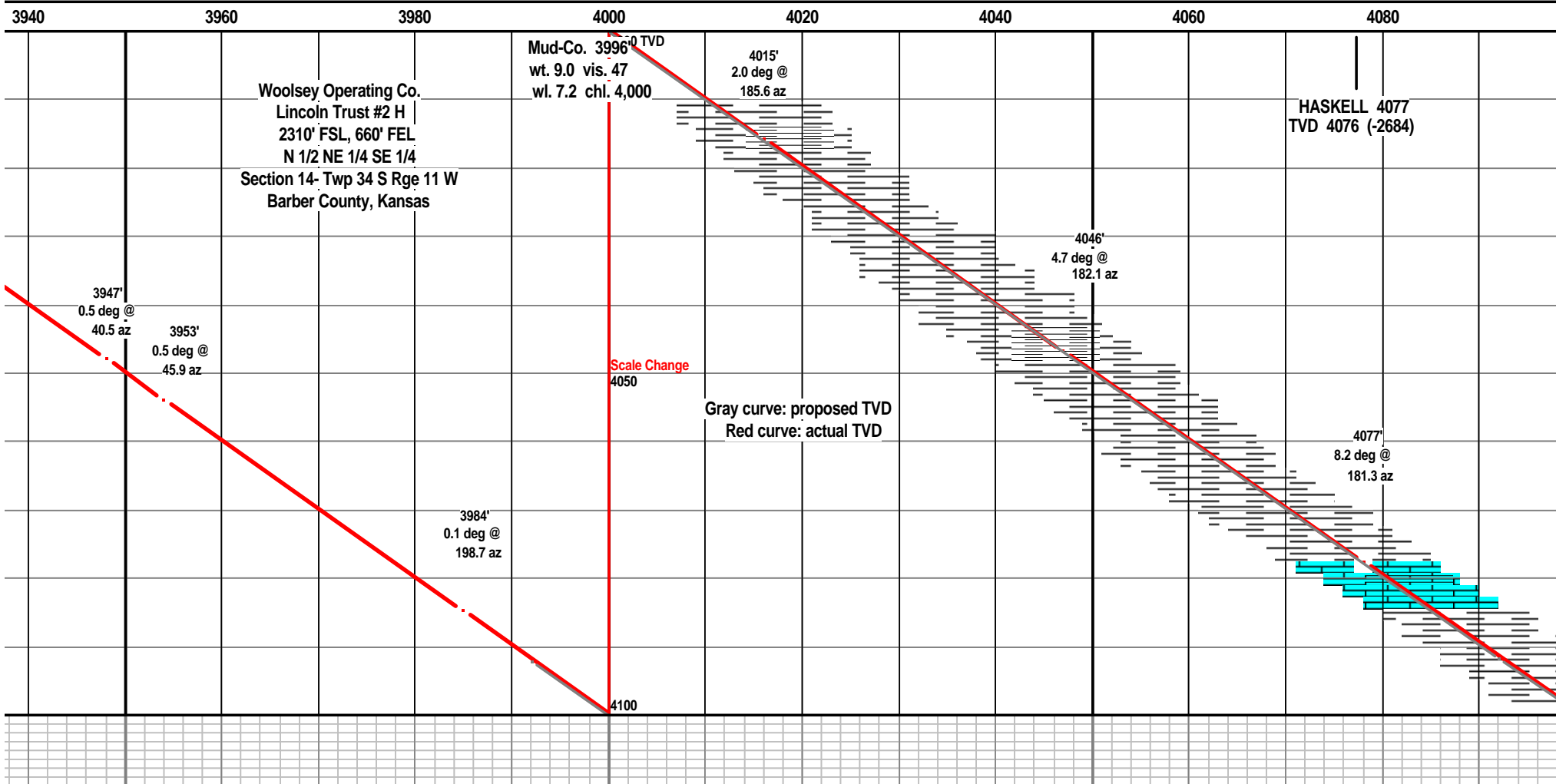
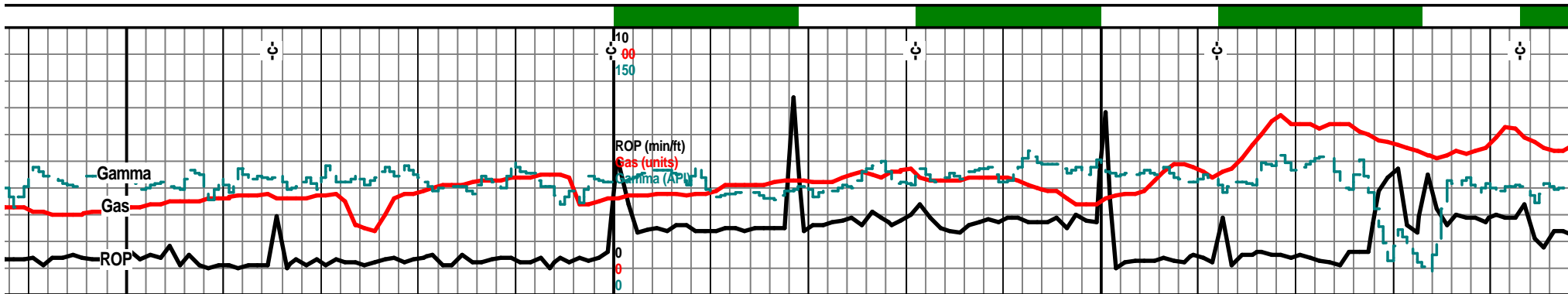


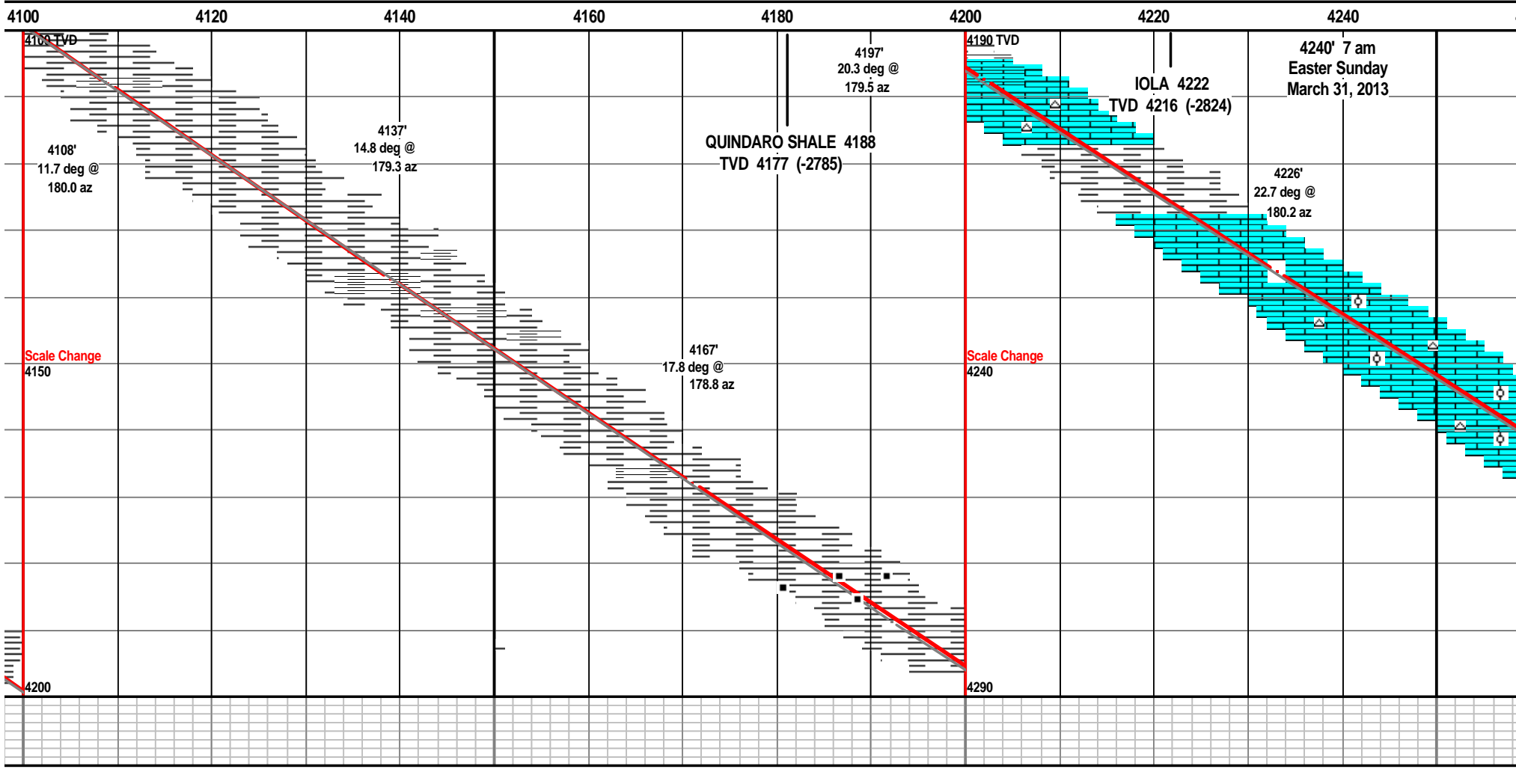
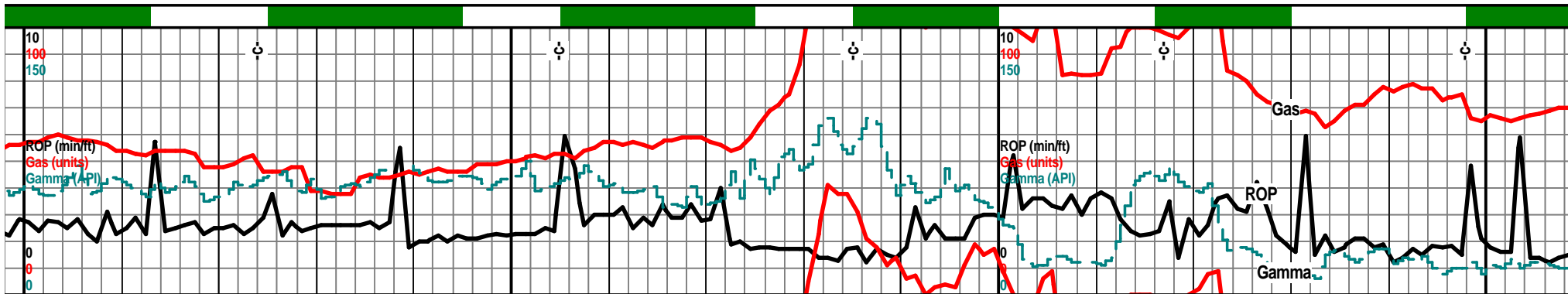


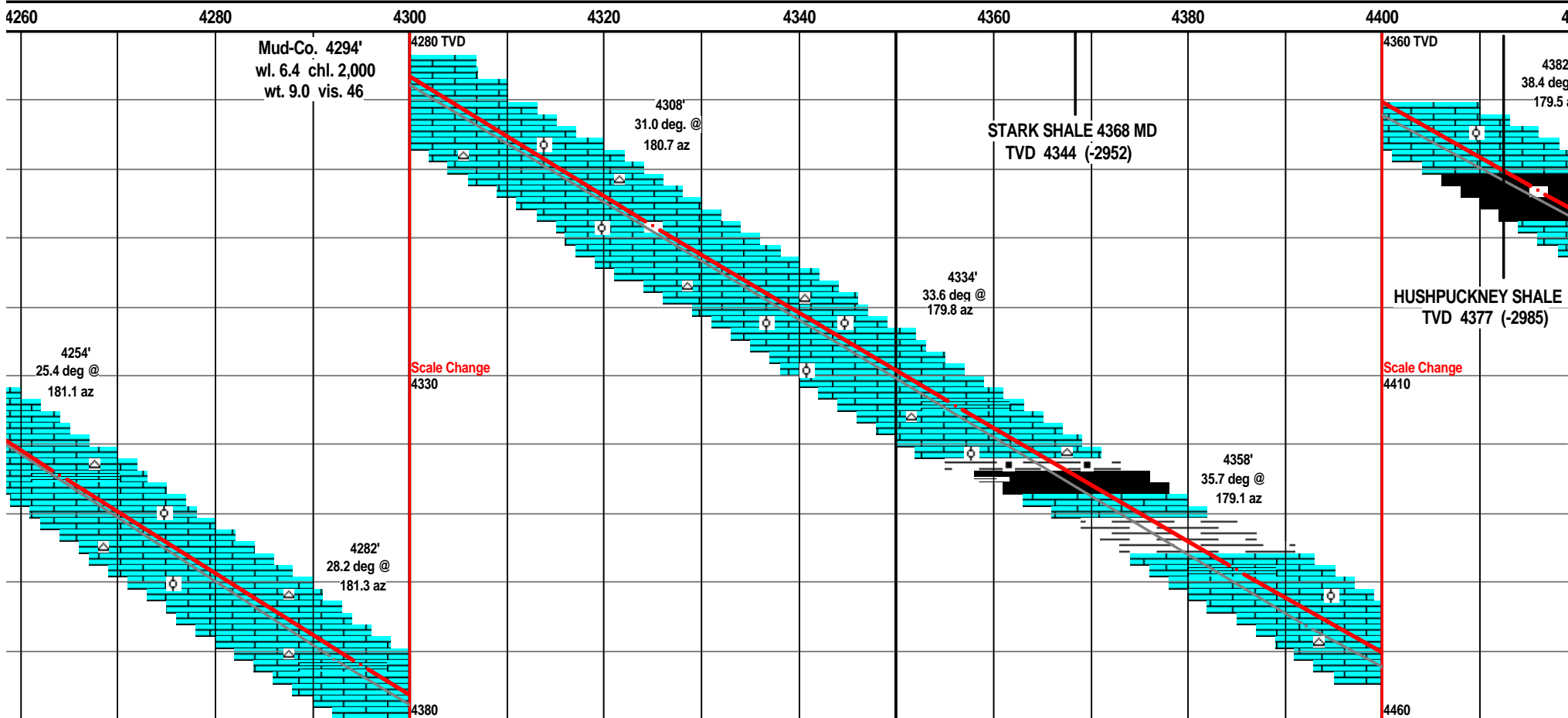
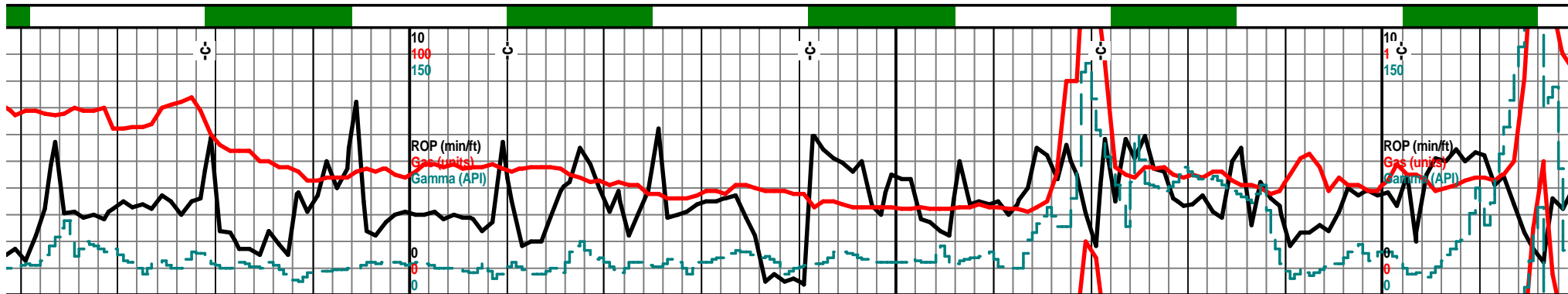
Oil Shows	
Depth	00 3820 3840 3860 3880 3900 3920

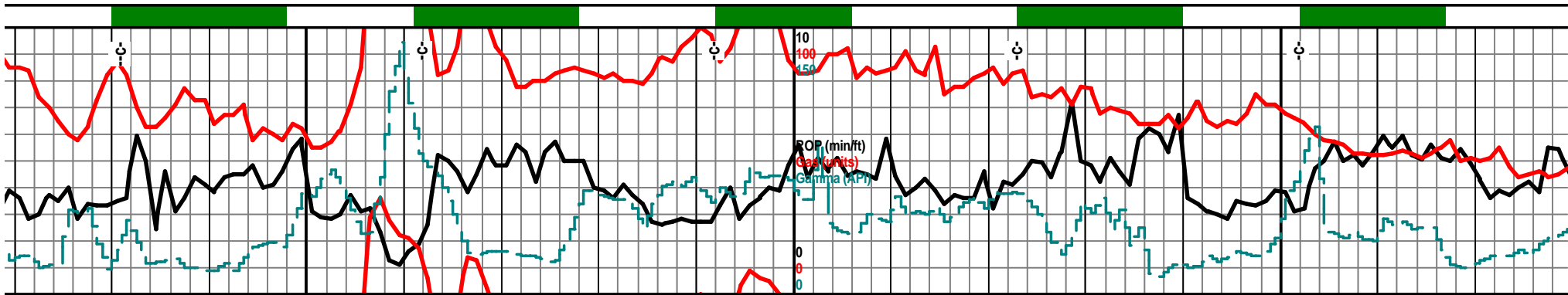
Well Bore Cross Section	3800 TVD	7 am Progress..... March 21, 2013 Set conductor March 22, 2013 Rig up Dan D Rig 11 March 23, 2013 Spud March 24, 2013 Rat hole ahead March 25, 2013 Nipple up BOP, pick up directional tools at 771' March 26, 2013 Drilling at 1080' March 27, 2013 Drilling at 1860' March 28, 2013 Drilling at 2600' March 29, 2013 Drilling at 3411' March 30, 2013 TOOH at 3996' March 31, 2013 Drilling at 4240'	Sample Tops: LeCompton 3442 (-2050) Kanwaka 3460 (-2068) Heebner 3658 (-2266) Toronto 3666 (-2274) Douglas 3715 (-2323) Brown Lime 4076 (-2684) Quindaro 4177 (-2785) Iola 4216 (-2824) Stark 4344 (-2952) Hushpuckney 4377 (-2985) Pawnee 4531 (-3139) Cherokee Grp 4576 (-3184) Mississippi 4630 (-3239)	Reference wells : WOC's Lincoln Trust #1, N 1/2 SE, 14-34S-11W, Tri-Ex's Miller #1, SW NW NE NE, 23-34S-11W, Kimmel's RV Nelson #1 OWWO, NE SW NW SW, 24-34S-11W.
	3850	April 1, 2013 Drilling at 4560' April 2, 2013 Drilling at 4800' April 3, 2013 Drilling at 5155' April 4, 2013 Running 7" casing April 5, 2013 Drill plug 8 am April 6, 2013 Drilling at 5840' April 7, 2013 Bit Trip 6229' April 8, 2013 Drilling at 6848' April 9, 2013 Bit Trip at 7226' April 10, 2013 Drilling at 7638' April 11, 2013 Bit Trip at 8178' April 12, 2013 Drilling at 8427' April 13, 2013 at TD 5 am	3854' 0.4 deg @ 18.7 az	Scale Change 3950
	3900			4000

Porosity	24% 18% 12% 6%
Porosity Type	

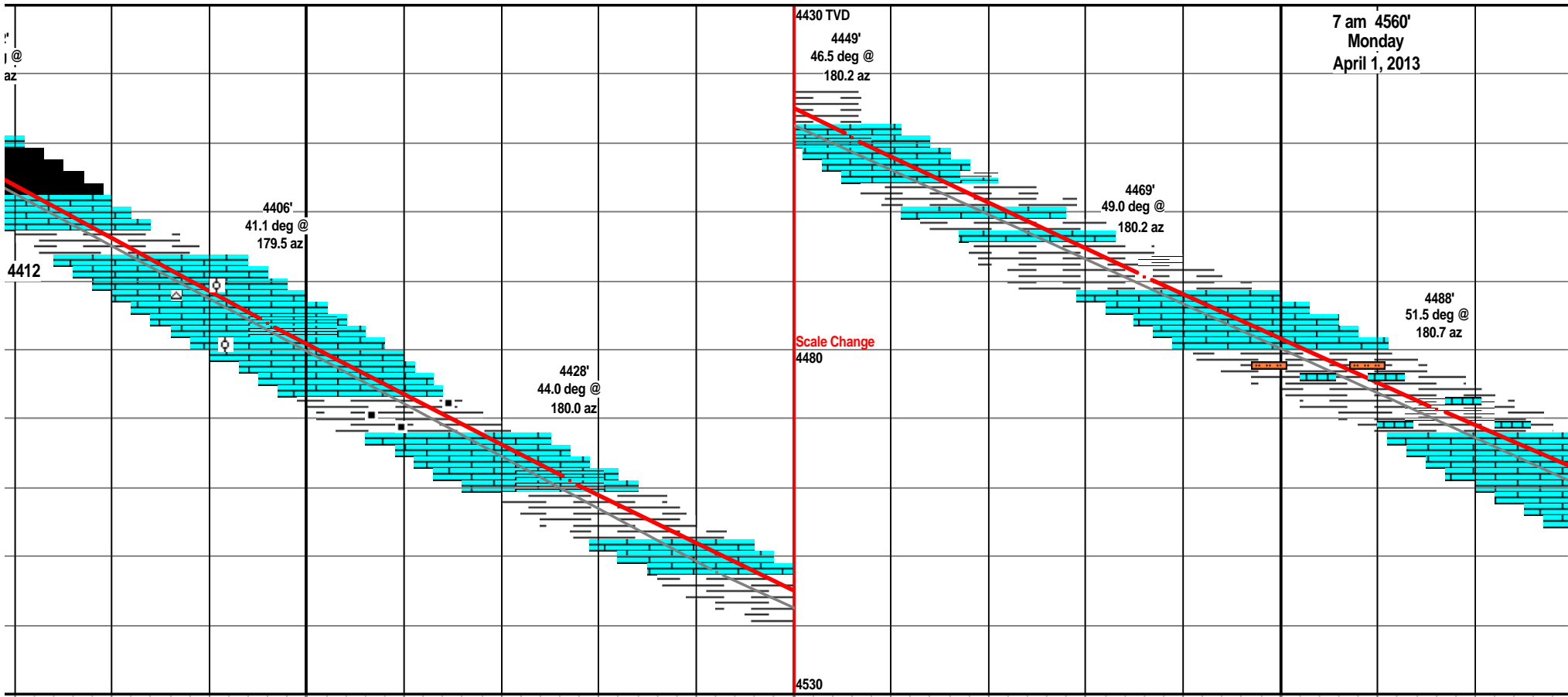


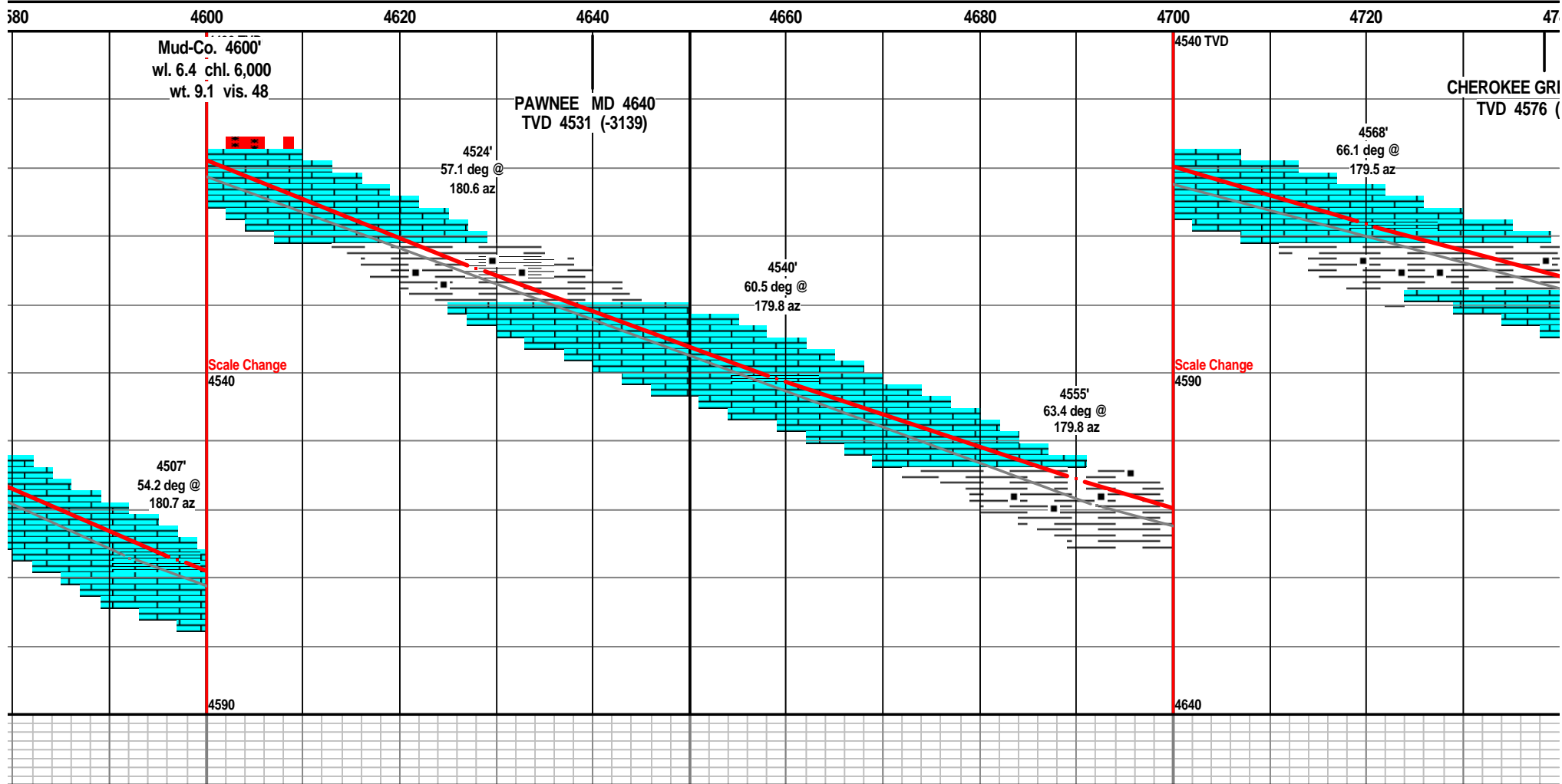
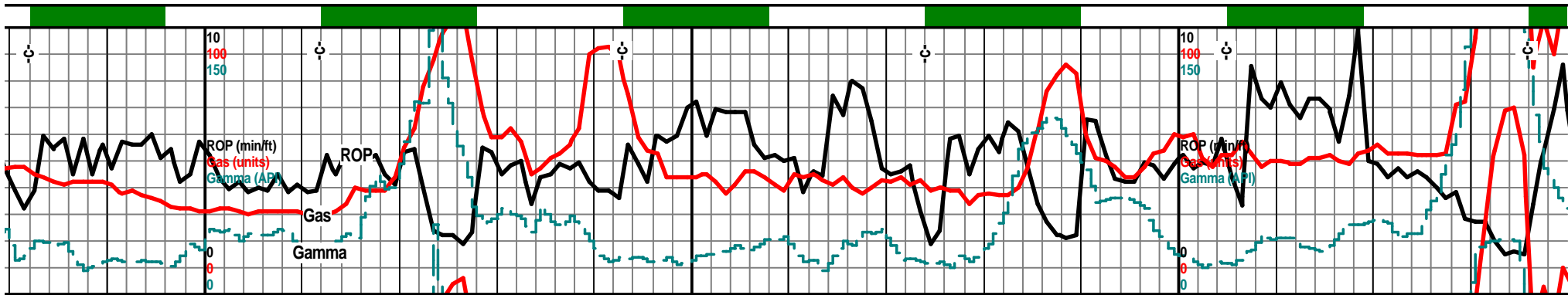


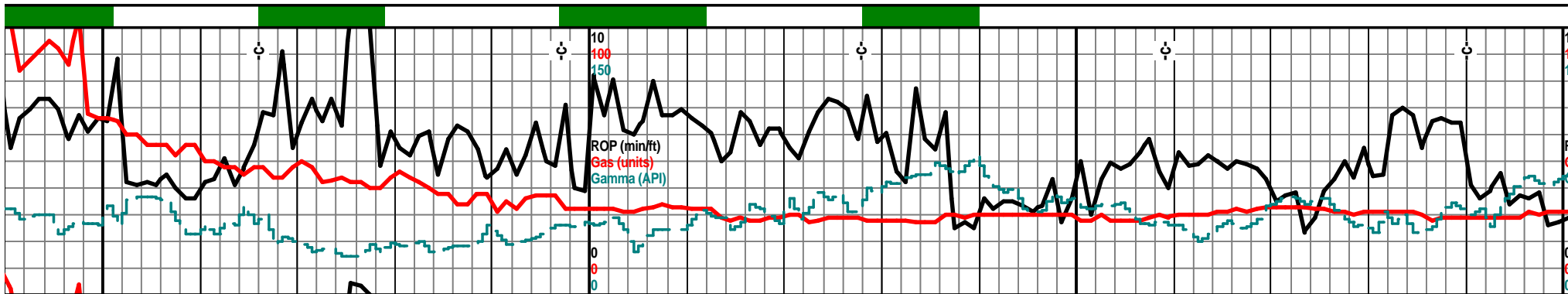




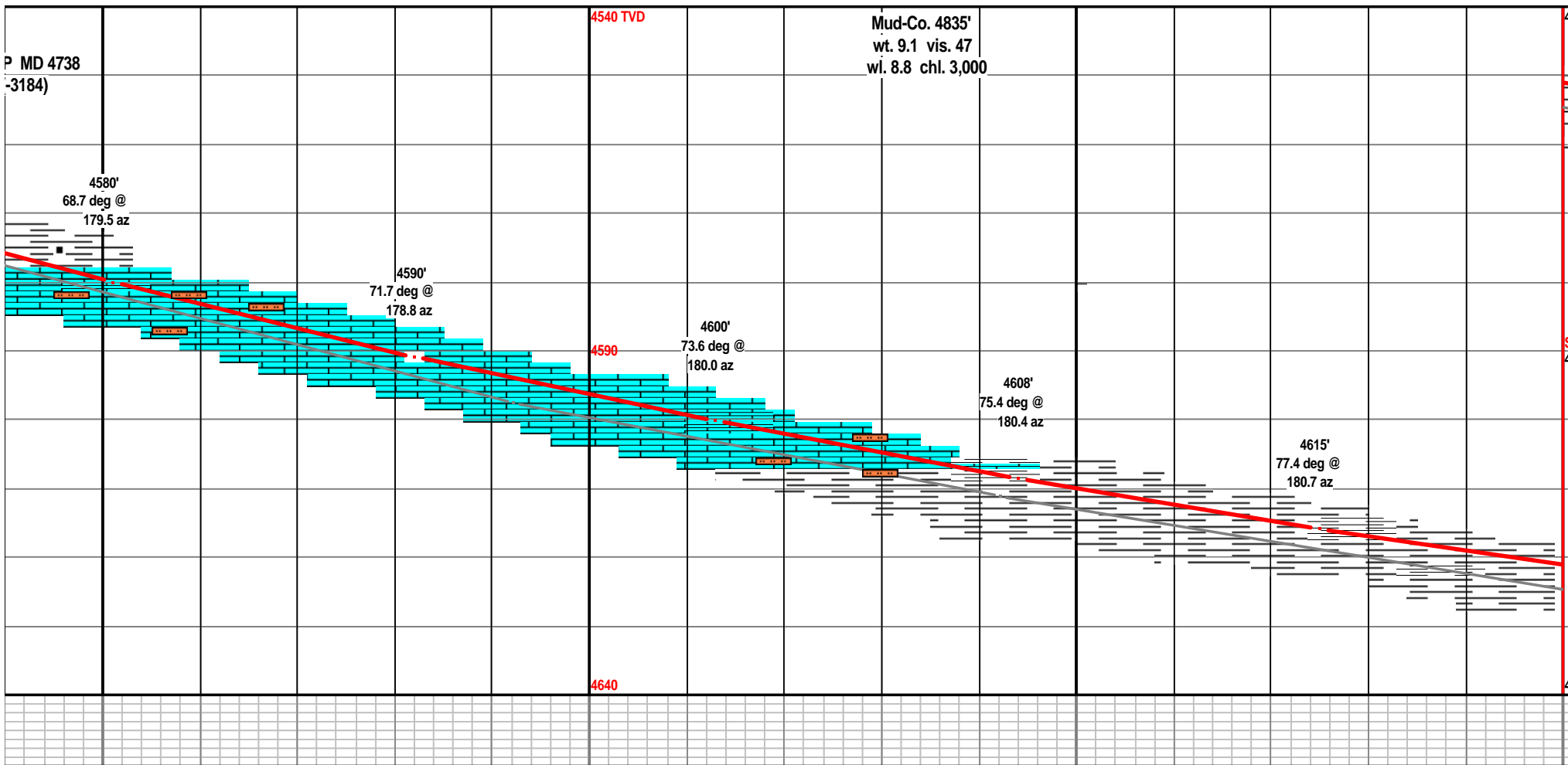
420 440 4460 4480 4500 4520 4540 4560 4580

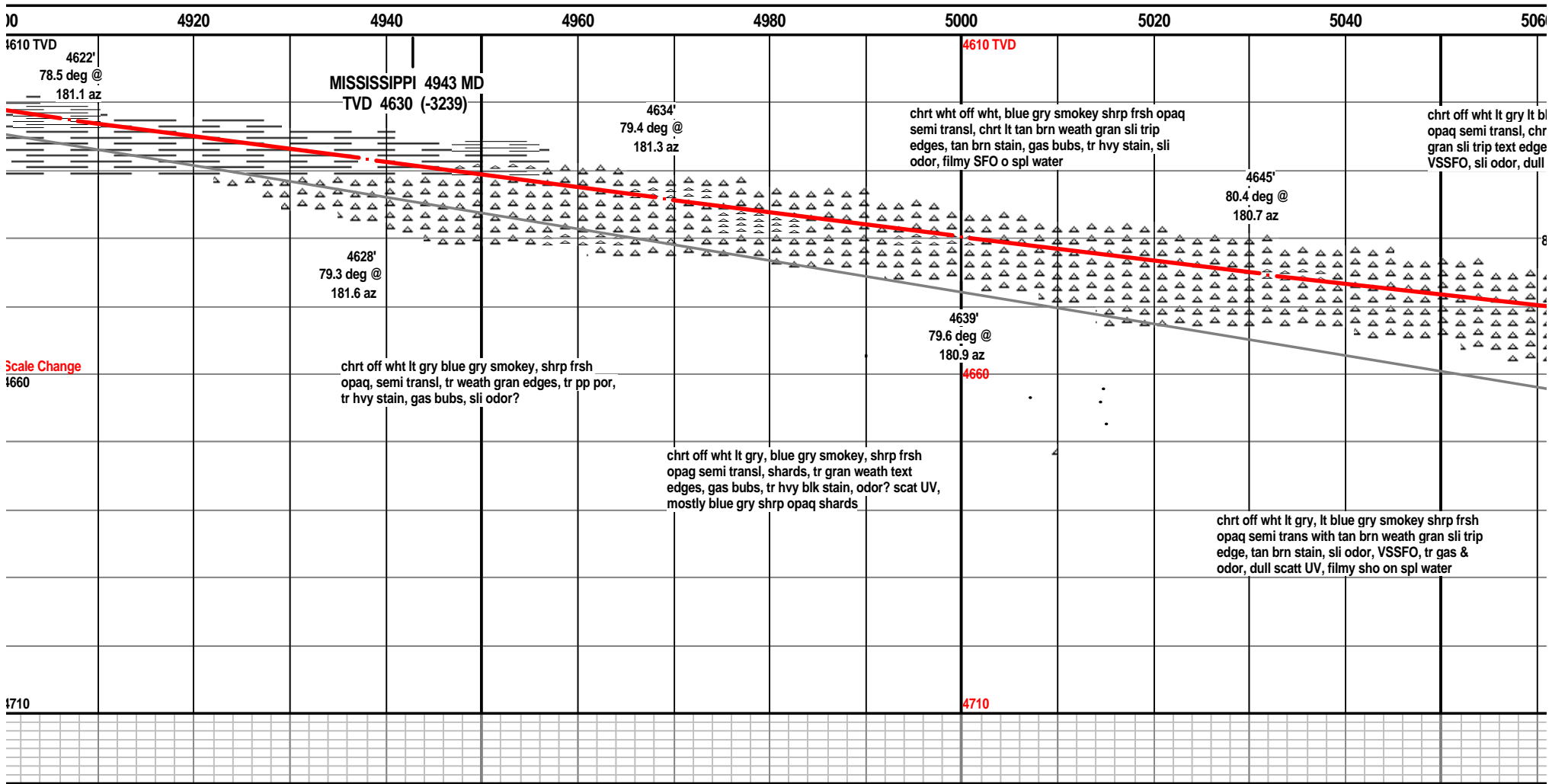
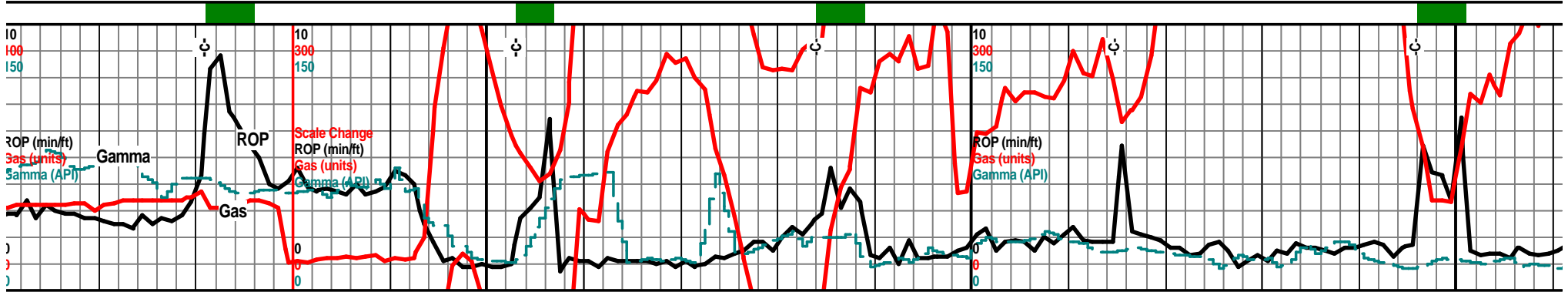


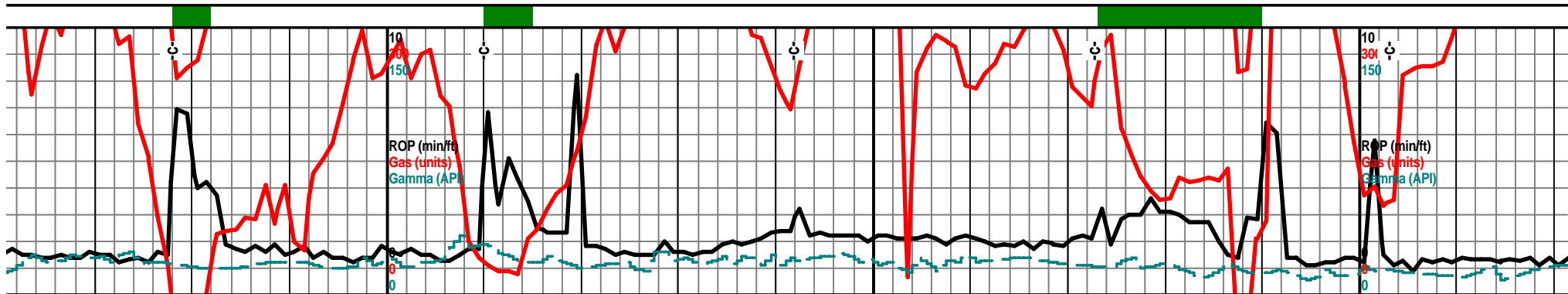




40 4760 4780 4800 4820 4840 4860 4880 4900

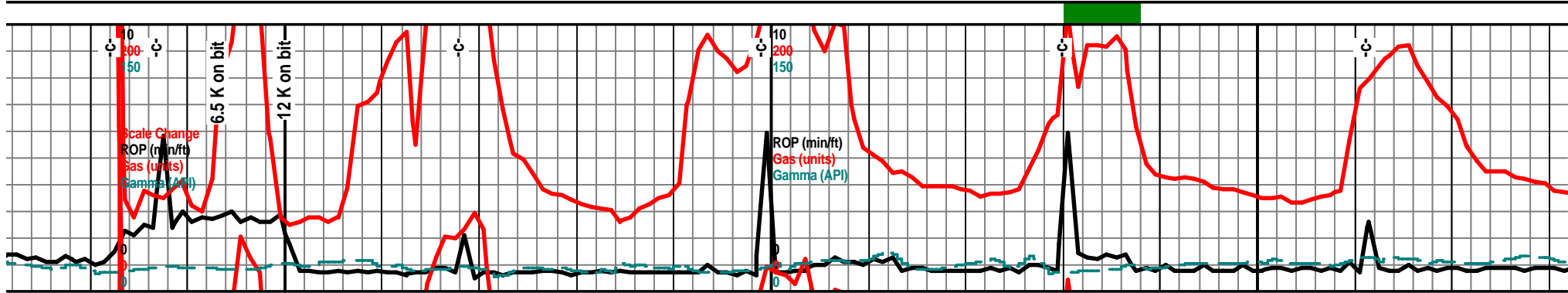






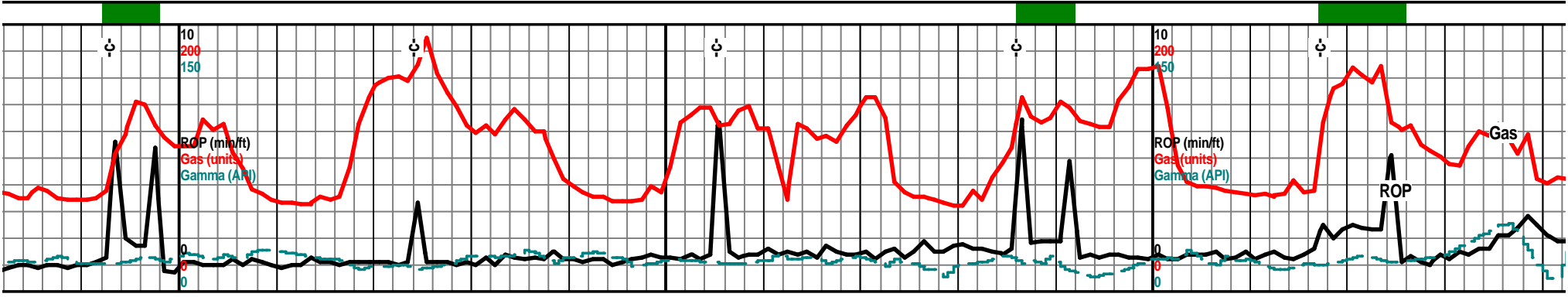
0 5080 5100 5120 5140 5160 5180 5200 5220

		4610 TVD			7 am 5155' Wednesday April, 3, 2013			4630 TVD	
lue gry smokey shrp frsh t wht tan brn mott, weath s, pp moldic por, filmy SFO, scatt UV		chrt off wht lt gry smokey, shrp frsh opa, semi transl, chrt tan brn drk brn mott weath gran sli trip text edges/sides, pp moldic por, VSSFO, tr hvy stain, sli odor, tr gas bubs,		chrt off wht lt gry, tan lt brn brn mott shrp frsh opaq blk ang pcs with weath sli trip text edges, pp moldic por, tan brn stain, gas bubs, VSSFO, sli odor, scatt dull UV.		chrt off wht lt gry tr lt gry smokey with shrp frsh opaq semi transl text, chrt tan wht brn mott, gran spongy sli trip text, pp moldic por, tan brn stain tr hvy blk stain, sli odor, gas bubs, dull UV.			
4650' 10.9 deg @ 180.6 az		4655' 81.3 deg @ 180.4 az		4659' 82.8 deg @ 180.0 az		4663' 84.3 deg @ 180.0 az		4665' 86.8 deg @ 180.9 az	
								Scale Change 4680	
chrt off wht lt gry, lt gry smokey, shrp frsh opa, semi transl, chrt tan brn mott, weath gran sli trip edges, pp moldic por, tan brn stain, VSSFO, filmy SFO, sli odor, dull scatt UV, tr gas bubs		chrt off wht wht, lt gry, shrp frsh opa sub transl, chrt wht tan lt brn mott, weath gran sli trip text edges/sides, pp moldic por, tan brn stain, tr hvy blk stain, VSSFO, gas bubs. sli odor, scatt UV		chrt off wht lt gry shrp frsh opa semi transl, chrt off wht wht with tan brn weath gran sli trip text, tr spongy text, tan brn stain, VSSFO, sli odor, gas bubs, scatt dull UV.		chrt off wth tan, tan brn wht mott, weath sli spongy text sli trip edges/faces, pp moldic por, tan brn stain, SSFO, gas bubs, dull scatt UV.			
		4710						4730	



5240 5260 5280 5300 5320 5340 5360 5380

7" Casing Point 5234' New Gas Filament 5234' Drill plug 8 am April 5, 2013			chrt wth off wht lt gry, tr clr lt gry, sharp frsh opaq blkly shards, semi transl with weath gran sli trip text, tr spongy text tan brn stain, tan brn SFO, sli odor, gas bubs, filmy SFO, dull scatt UV			chrt wth clr lt gry, tr lt gry smokey shrp frsh opaq semi transl, chrt wth tan lt brn mott, weath gran sli trip spongy text, pp moldic por, tan brn stain, SSFO, free oil on spl water, sli odor, filmy SFO, dull scatt UV			chrt wth off wht lt gry lt gry smokey, shrp frsh blkly ang opaq shards, semi transl with weath edges, chrt wth tan brn/blk weath gran spongy sli trip text, pp moldic por, tan brn some blk stain, tr hv blk stain, SFO, loose floatng drops, abun gas bubs, fair even dull UV, odor		
			4669'			4668'			4669'		
88.7 deg @ 181.1 az			89.2 deg @ 180.6 az			4680			89.3 deg @ 180.4 az		
									4669'		
									87.6 deg @ 180.7 az		
chrt wth off wth lt gry smokey shrp frsh semi opaq, with weath gran sli spongy text, pp moldic por, sli odor, tan brn stain, tr hvly stain, sull scatt UV, poor sample, mucho nut plug!			chrt off wht lt gry tr lt smokey shrp frsh opaq semt transl, weath gran sli spongy sli trip text edges, pp moldic por, tan brn stain, SSFO, gas bubs, tr hvly blk stain, sli odor, dull scatt UV						chrt wth lt gry lt gry smokey shrp frsh opaq, blkly ang shards, semi transl, chrt tan blk brn mott, spongy weath sli trip text, pp moldic por, tan brn stain, tr hvly blk stain, SFO, fair gas bub, floating oil droplets, sli odor, scatt dull UV		
						4730					
									chrt i shrp brn s stain SFO, UV		



5400 5420 5440 5460 5480 5500 5520 5540

4630 TVD

<p>chrt wht off wht lt gry, some smokey gry, shrp frsh opa q sub mini transl, blk ang shards, with chrt wht lt gry with tan brn weath sli gran/spongy sli trip text, tan brn some blk stain, tr hvy blk stain, filmy SFO, SSFO, sli odor increasing, "floating droplets", dull scat UV, less frsh incr weath text & show</p>	<p>chrt wht off wht lt gry tr lt gry smokey, shrp frsh opa q, semi transl, blkly ang shards with weath tan tr blk mott weath sli gran weath edges, tr spongy text, gd pp moldic vug por, tan brn blk stain, tr hvy blk stain, fair odor, abun gas bubs, scatt dull UV, floaters</p>	<p>chrt wht clr off wht lt gry opa q, blk ang shards, cr gran spongy sli trip text, blk stain, SSFO, gas but wht lt green chrtly dolo k with weath chrt with tan</p>
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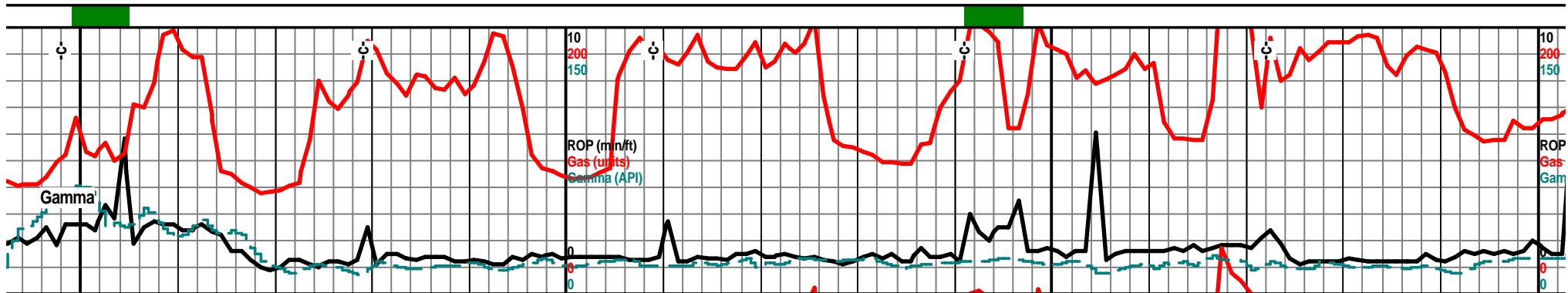
<p>4680 4671' 88.9 deg @ 181.4 az</p>	<p>4672' 89.2 deg @ 181.8 az</p>	<p>4672' 89.7 deg @ 181.4 az</p> <p>4672' 89.9 deg @ 190.9 az</p> <p>4673' 88.1 deg @ 179.7 az</p>
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incr frsh, wht off wht lt gry, lt smokey gry, frsh opa q semi transl shards, with weath tan sli spongy sli trip edge/sides, tan brn tr blk pp moldic por, vug por, sli odor, filmy SFO, floating oil droplets on spl water, scatt dull

chrt wht off wht lt gry tr lt gry smokey, shrp frsh opa q, semi transl, blkly ang shards, with weath tan brn tr blk mott weath sli gran some spongy text edges/sides, gd pp moldic por, tan brn blk try hvy blk stain, fair odor, gas bubs, scatt dull UV, floating oil drops/spl tray

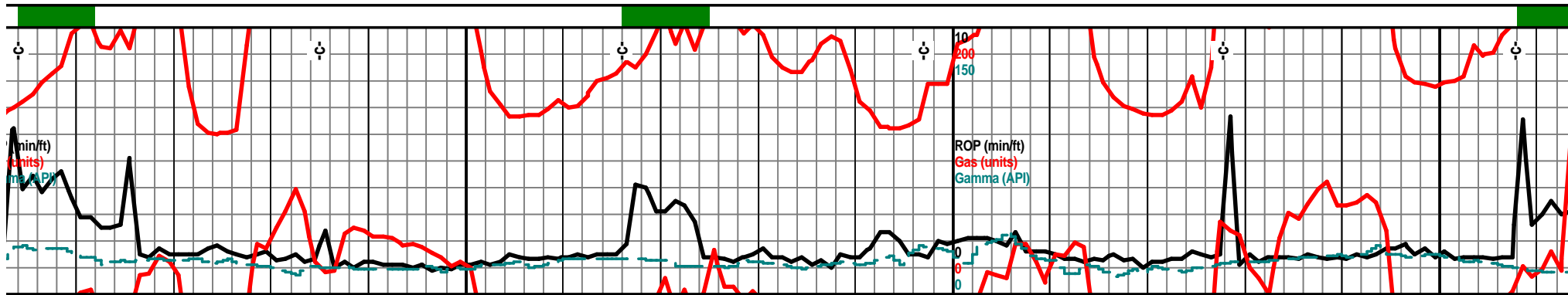
chrt clr off wht lt gry, transl, lt smokey gry shrp frsh blkly ang shards, semi transp, chrt off wht lt gry with weath gran sli trip text edges, tan brn tr blk stain, pp moldic por, vug por, odor, SSFO, gas bubs, "floaters" free oil in tray

4730 4730

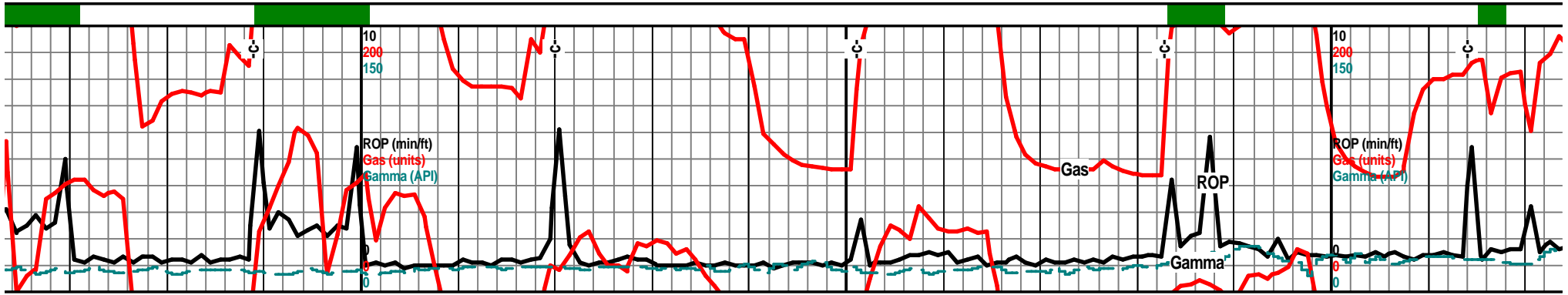


5560 5580 5600 5620 5640 5660 5680 5700

			4630 TVD						4630
chrt off wht with weath pp moldic por, tan brn tr s, sli odor, scatt dull UV, st f xln filky chrty, tr glau, brn stain inclu		chrt wht clr It smokey gry, tr with lt yellow tint, shrp frsh transl, transp, blk ang sharp shards, with tan brn weath sli trip text edges, tan brn stain, tr hvly blk stain, gas bubs, sli odor, floating drops, scatt dull UV,			chrt wht lt ry. It smokey gry shrp frsh opa, tr transp. mstly semi transl, blk ang shards, chrt gry wth tan brn mott, weath gran sli spongy, sli trip text, gd pp moldic vug por, tan brn tr blk hvly stain, SFO, gas bubs, scatt dull UV, filmy SFO, floating drops				
4674' 87.4 deg @ 178.1 az		4676' 86.3 deg @ 178.4 az	4680'		4678' 86.0 deg @ 178.1 az		4680' 86.5 deg @ 178.6 az		4682' 87.0 deg @ 178.3 az
chrt wht lt gry, lt smokey gry, shrp frsh opa semi transl, some transp, blk ang shards with weath gran sli trip spongy edge, tan brn stain, tr blk hvly stain, sli odor, gas bubs SSFO, dull scat UV, tr wht lt green dolo chrt, f xln blk ang chrt inclu, with tan brn stain, ssfo, gas					chrt off wht wht, lt smokey gry, shrp frsh opa, semi transl, tr transp, with weath gran sli trip edge text, pp moldic vug por, tan brn tr blk stained edges, sli odor, gas bubs, tr hvly blk stain, scatt dull UV, floating oil drops,				chrt off wht lt gry, lt gry smokey, shrp frsh shards, tr transp, mstly semi transl, chrt c brn/brn mott, weath gran sli spongy sli tri gd pp moldic vug por, tan brn stain, tr hvly stain, SSFO, gas bubs, sli odor, scatt dull floating drops
			4730						4730



5720		5740		5760		5780		5800		5820		5840		5860					
<p>ROP (min/ft) Gas (units) Gamma (API)</p>																			
<p>4650 TVD</p>																			
<p>7am 5840' Saturday April 6, 2013</p>																			
<p>chrt off wht lt gry, lt smokey gry, incr frsh/less weath text, shrp frsh opa, transp in prt, mstly semi transl, blk ang shards, with tan off wht lt brn chrt, weath gran sli spongy sli trip text, gd pp moldic por, tan brn stain, tr hvy blk stain, SSFO, gas bubs, sli odor, floaters</p>				<p>chrt off wht wht lt gry lt smokey gry shrp frsh opa, transl blk ang shards with weath gran sli trip text edges, tan brn stained color, gd pp moldic por, tan brn stain tr blk stain, sli odor, filmy SFO, SSFO, scatt dullUV, tr glau</p>				<p>chrt off wht lt gry lt smokey gry shrp frsh opa, transl, some transp, blk ang shards, with tan brn colored weath gran sli trip stain, sli spongy in prt, gd pp moldic por, vug por, sli odor, tan brn stain tr blk hvy stain, SSFO, floating drops, scatt dull UV, incr frsh less show this sample?</p>											
<p>4683' 87.7 deg @ 178.6 az</p>				<p>4684' 87.9 deg @ 179.3 az</p>				<p>4685' 87.9 deg @ 179.7 az</p>				<p>4687' 87.1 deg @ 179.7 az</p>				<p>4688' 86.8 deg @ 179.8 az</p>			
<p>Scale Change</p>																			
<p>Morning driller/Daylight driller</p>																			
<p>1 opa off wht lt p text, y blk UV,</p>		<p>chrt off wht, lt gry, lt smokey gry, shrp frsh opa, semi transl, blk ang shards, with off wht tan brn mott chrt, weath gran sli spongy trip text, gd pp moldic por, vug por, tan brn stain, tr hvy blk stain, SSFO, sli odor, gas bubs, floaters, scatt dull UV,</p>						<p>chrt wht lt gry lt smokey gry shrp frsh opa semi transl blk ang shards with tan brn weath gran trip text edges/sides, pp moldic vig por, tan brn stain colored, pp moldic por, vug por, VSSFO, gas bubs, sli odor, floating dropa scatt UV</p>						<p>Incr sta shrp frs mott, w vug por odor, g scat UV</p>					
<p>4750</p>																			



5880

5900

5920

5940

5960

5980

6000

6020

Mud-Co. 5892'
wt. 8.5 vis. 31
wl. N/C chl. 1,200

4650 TVD

chrt off wht lt gry smokey gry in color, frsh shrp
semi transl opa shards with weath tan brn
stained, sli trip some spongy text, gd vu pp
moldic por, tan brn some blk hvy stain, sli odor
gas bubs, dull scatt UV

chrt lt gry lt smokey gry transl opa with weath
gran spongy trip text edges, edges tan brn some
drk brn, gd pp moldic por, vug por tan brn stain,
tr blk hvy stain, fair SFO, stain, sli odor, floating
drops, dull scatt UV

bec frsher..chrt wht off
sharp frsh semi transp
sli spongy sil trip gran
stained color edges, gd
por, SFO, hvy blk SFO/
dull scatt UV



4690'
87.8 deg @
180.6 az

4691'
89.2 deg @
180.6 az

4691'
89.6 deg @
180.6 az

4691'
90.3 deg @
180.2 az

4691'
90.6 deg @
180.6 az

4700

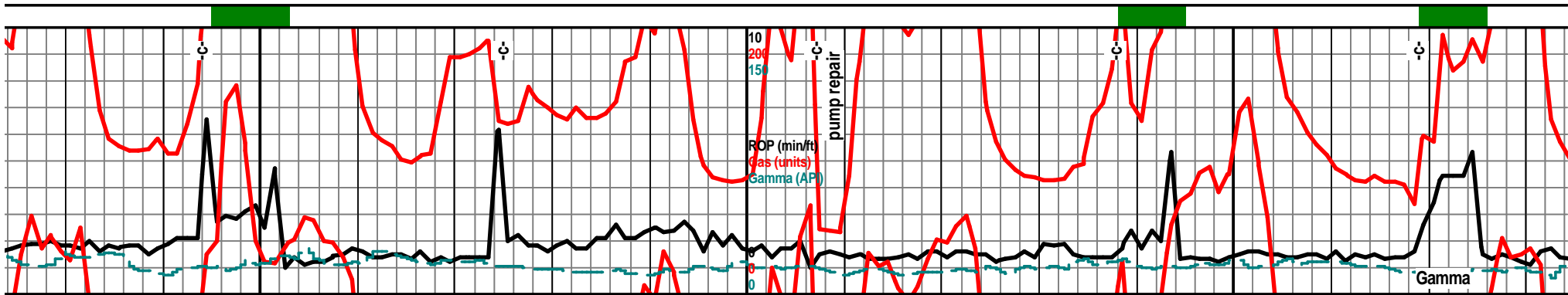
in and show this spl, chrt lt smokey gry
sh opa semi transl, chrt off wht tan lt brn
weath spongy trip text, gd pp moldic por,
tan brn stain, tr blk hvy stain, SFO, fair
gas bubs, filmy SFO, floating Drops, dull

chrt off wht lt gry, lt smokey gry, shrp frsh opa,
semi transl, some transp, vit in prt, chrt tan lt brn
mott, weath gran sli trip text, tr spongy text, gd
vis pp moldic vug por, tan brn stain, tr hvy blk
stain, SSFO, filmy SFO, gas bubs, floaters, dull
scatt UV

chrt off wht lt gry lt smokey gry opa, transl with
off wht tan lt brn weath gran spongy sli trip text
edges, tan crm lt brn stained color, tan brn stain,
tr hvy blk stain, gd vis pp moldic por, SFO, gas
bubs, floaters, dull scatt UV

4750

4750



6040

6060

6080

6100

6120

6140

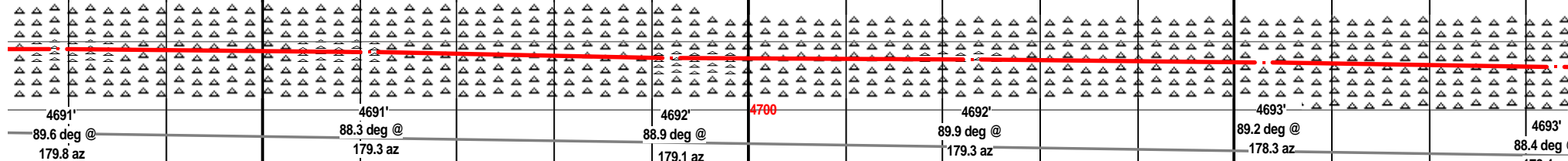
6160

6180

wht lt gry lt smokey gry, shards, with weath gran edges, crm tan lt brn pp weath vug and moldic stain, sli odor, gas bubs,

chrt off wht lt gry, lt gry smokey, shrp frsh opa, sub transl, some transl, blk ang shards, with tan crm brn weath gran spongy text edges/sides, tan lt brn stain tr hvy blk stain, fair odor, SSFO, gas bubs, scatt UV

chrt as before, vis incr in weath slt trip text with tan brn lt blk stain, chrt off wht lt gry shrp frsh opa, transl semi transp, chrt aa with tan brn stain weath sli trip some spongy text edges, pp moldic por, tan brn stain, odor, gas bubs, dull scat UV, floating oil droplets.

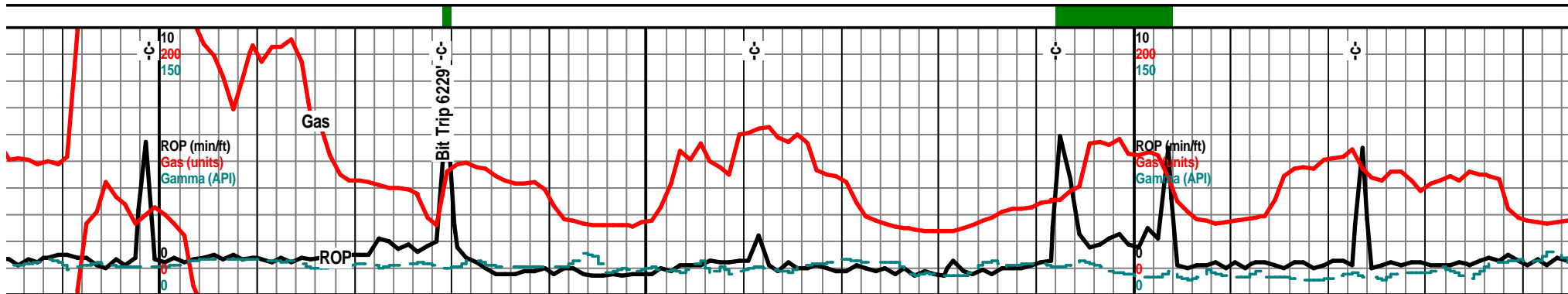


A 50-50 mix of chrt off wht lt gry, lt smokey gry shrp frsh transl, opa, vit, and chrt lt gry smokey shrp frsh with crm tan brn weath sli spongy sli trip text edges/sides, gd vis pp moldic & vug por, crm tan lt brn stained edges, tr hvy blk stain, SSFO, sli odor, gas bubs, scat UV, floating oil droplets.

increase frsh chrt, chrt lt gry lt smokey gry shrp frsh opa, transl, semi transp, blk ang shards, spl 80% this, chrt as before with sli weath, sli trip text edges, withpp moldic por, tan brn tr blk stain, tr hvy blk stain, sli odor, SSFO, dull UV

chrt lt gry lt smokey gry shrp frsh opa, tran sub transp, blk ang shrp shards with weath sli weath, sli spongy text, pp moldic por, vug tan lt brn tr blk stain color, SSFO, filmy SFO bubs, dull scat UV

4750



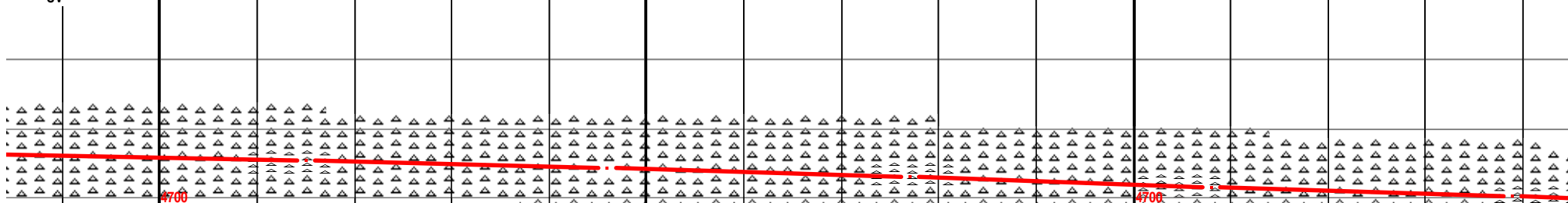
6200 6220 6240 6260 6280 6300 6320 6340

4650 TVD Bit Trip 6229' 4650 TVD

chrt lt gry lt smokey gry shrp frsh opa, blk ang shards, transl, sli transp in prt, with weath tan brn sli trip edges/sides, pp moldic por, tan lt brn and brn stain, grsy SFO, filmy SFO, tr gas bubs scatt UV

chrt off wht lt gry lsmokey gry shrp fsh opa blk ang shards, semi transl, with tan brn some blk sli weath sli trip text edges, pp moldic por, tan brn stain, tr blk hvy stain tr gas bubs, odor?

chrt off wht lt gry lt smokdey gry, shrp frsh opa, semi transl with weath, sli spongy, sli trip text edges, sides, tan brn stain color, gd vis pp moldic por, vug por, tan brn stain tr hvy blk stain, sli odor, gas bubs, floating droplets, dull scatt UV



4700 4694' 88.3 deg @ 177.4 az 4695' 87.5 deg @ 177.4 az 4697' 87.4 deg @ 178.4 az 4698' 87.7 deg @ 178.8 az 4699' 87. deg @ 179.1 az

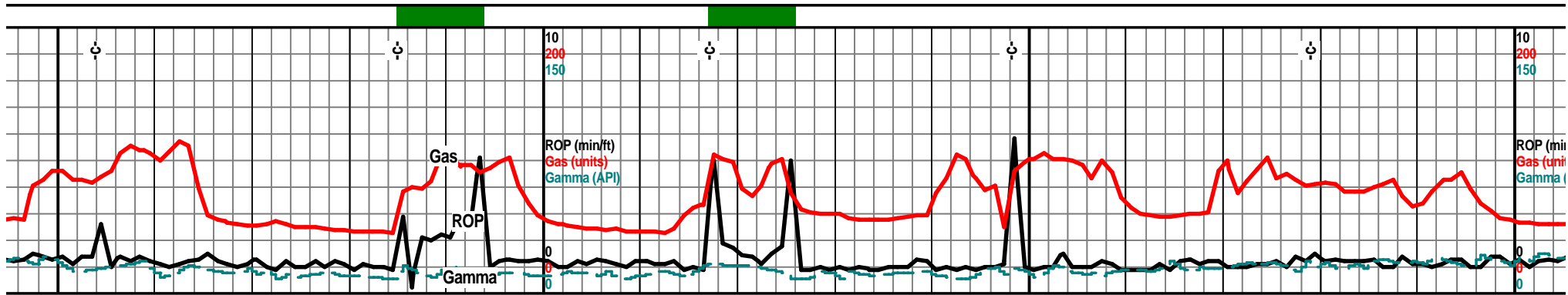
sl, gran por, gas

chrt lt gry lt smokey color gry, shrp frsh opa, transl, blk ang shrp shards, chrt aa with tan brn weath sli trip text edges, gran spongy text in prt, pp moldic por, tan brn tr blk stain, grsy SFO, tr gas bubs, filmy SFO, scatt UV odor?

chrt, mstly frsh, lt gry off wht smokey gry shrp frsh opa, semi trasnl, blk ang sharp shrds, with tan brn some blk sli weath sil trip text edges/sides, tan brn stain, tr hvy blk stain, sli odor, gas bubs, floating oil droplets in sple water

chrt 70% f semi trans sli spongy tr blk stain SSFO, floz

4750 4750



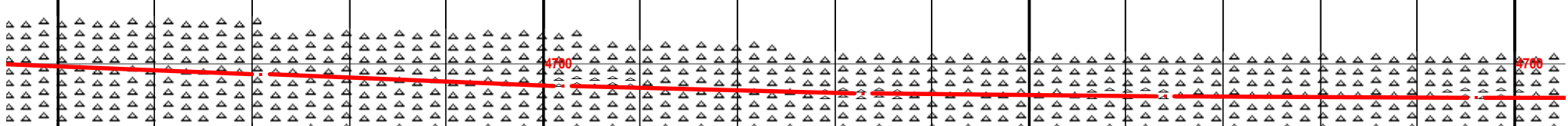
6360 6380 6400 6420 6440 6460 6480 6500

4650 TVD

chrt off wht lt gry smokey shrp frsh opa, transl, blk ang shards, with weath lsi gran some spongy tan brn stained sli trip eges, pp moldic por, tan brn stain tr blk hvy stain sli odor tr gas dull scatt UV. floating filmy SFO, wht spongy sli chlky chrt with NS

chrt lt gry lsmokdy gry shrp frsh opa semi transl with tan brn blk stain sli weath sli gran spongy trip edges/sides, tan brn blk some hvy blk stain pp moldic por on edges, blk SFO, tr gas bubs, scatt dull edge UV

chrt lt gry smokey lt gry shrp transl, some transp blk ang : tan brn colored sli trip some moldic por vug por, tan brn blk bubs dull UV



4701' 86.7 deg @ 179.3 az

4703' 87.3 deg @ 179.3 az

4704' 88.5 deg @ 181.3 az

4704' 89.7 deg @ 181.3 az

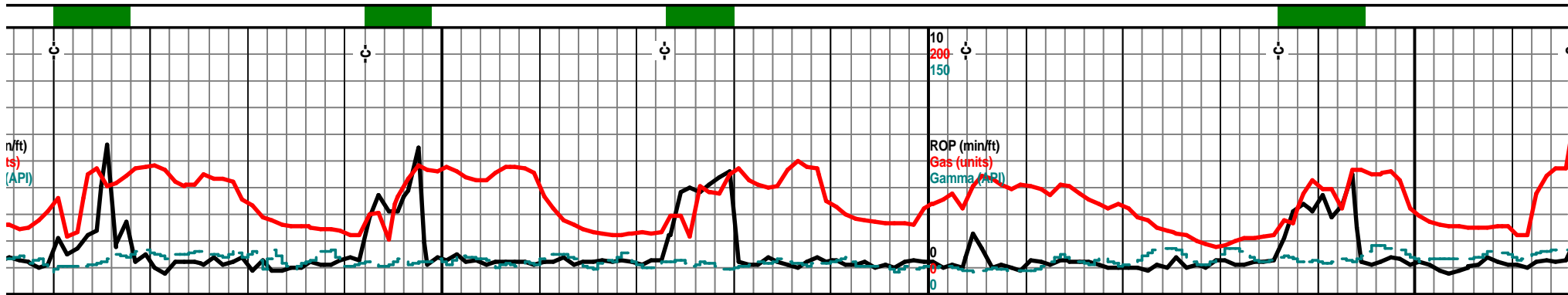
4704' 89.9 deg @ 181.3 az

rsh, lt gry lt smokey gry shrp frsh opa, blk ang sharp shard,s with weath grn text edges, tan brn edge color, tan brn pp moldic por, vug por, sli odor, stting drops, dull Scall UV

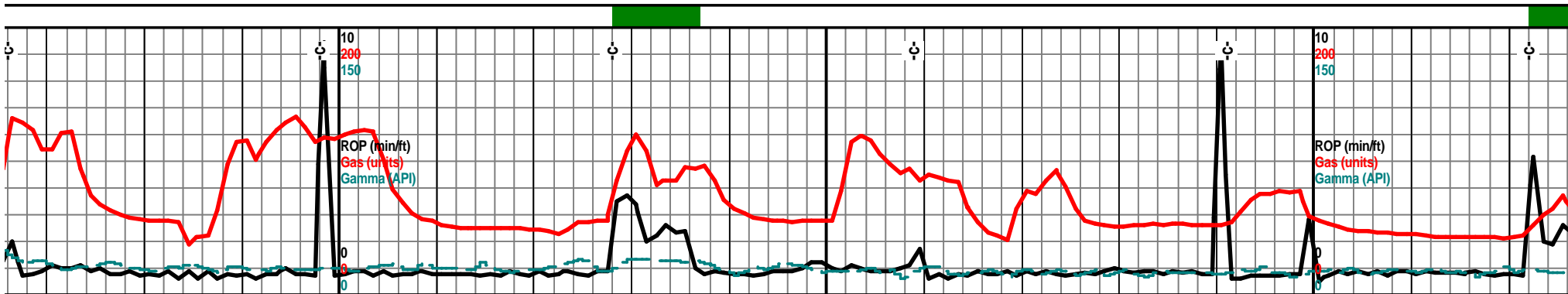
chrt off wht lt gry some drker gry, smokey color shrp frsh opa semi transl, tr transp, with tan brn blk stained sli weath edge, SSFO, blk SFO, gas bubs, sli odor? scatt dull UV, chrt wht gran spongy text, soft, tr stain msly NS

chrt lt wht lt gry lt smokey gry shrp frsh opa semi transl, tr transp, blk ang shards, with sli weath tan brn blk color stained edges, pp moldic por, drk brn SFO, tr blk hvy SFO, odor? dull scatt UV

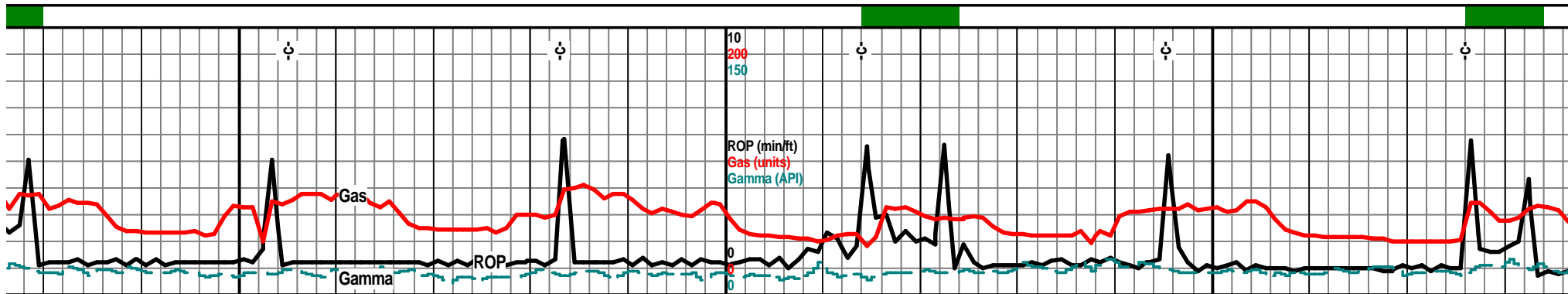
4750



6520	6540	6560	6580	6600	6620	6640	6660	
				4650 TVD				
frsh opa semi shards with weath spongy text, pp lk stain, sli odor, gas	chrt lt gry lt smokey gry shrp frsh opa, transl, semi transp in prt, blkly ang shards, with sli weath tan brn blk colored sli trip text edges, brn blk tr hvy blk stain, SSFO, sli odor, much floating oil droplets			chrt as before, lt gry lt smokey gry shrp frsh opa, blk ang shrp transl shards with sli weath sli spongy sli trip text edges/sides, pp moldic vug por, tan brn blk colored staine edges, SSFO, tr gas, blk hvy stain, floating drops, dull scatt UV				
4705' 89.5 deg @ 180.9 az	4705' 89.0 deg @ 180.7 az	4706' 88.9 deg @ 180.6 az	4706' 88.9 deg @ 180.7 az	4707' 87.8 deg @ 180.2 az				
chrt lt gry lt smokey gry shrp frsh opa, spl 80% frsh chrt NS, blkly ang hard shsard, with weath sli trip stli spong edge text, tan brn stained edges, pp moldic por, tan brn tr blk hvy stain VSSFO, gas bubs sli odor dull scatt UV, floating oil droplets on spl water	chrt off wht lt smokey gry, shrp frsh opa, sub transl, blkly ang shards with weath gran sli trip edges/sides, pp moldic vug por, tan brn tr blk stained edges, tan brn stain, tr blk hvy stain SSFO, shl grsy FO, gas bubs odor? floating dropa			chrt as before, incr frsh less vis show, lt gry o wht/gry tr smokey gry shrp frsh opa, transl, sli weath text, sli trip spongy text, pp moldic p tan lt brn tr hvy blk stain, VSSFO. odor? blk gr SFO, dull scatt UV				
				4750				

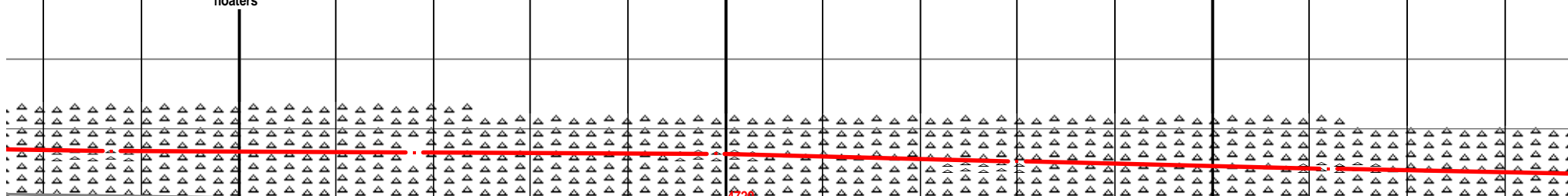


6680	6700	6720	6740	6760	6780	6800	6820
	4650 TVD					4670 TVD	
chrt as before, incr frsh lees vis show, off wht lt gry lt gry smokey color, shrp frsh opaa transl, blk ang shards, with some weath sli trip, gran, spongy text, pp moldic por, tan lt brn, some blk grsy stain, VSSFO, nodor, floating drops dull scat UV			chrt as before, incr vis shows, chrt lt gry tl smokey gry shrp frsh opaq transl with weath gran sli trip some spongy text, pp moldic por, tan brn some blk stained edges, SSFO, blk grsy SFO, sli odor, floating droplets, scatt dull UV			chrt-less vis show incr frsh, chrt off wht lt gry lt smokey gry, shrp frsh transl with sli weath gran some spongy sli trip text edges, pp moldic vug por, tan brn some drk blk stain, SSFO, grsy SFO, tr gas bubs, dull scatt UV, much floating FO on spl tray water	
	4700					Scale Change	
						4720 4712'	
						88.6 deg @ 180.6 az	
	4708'						
	87.8 deg @ 180.6 az						
		4709'		4710'		4711'	
		87.8 deg @ 180.4 az		88.3 deg @ 180.0 az		88.4 deg @ 180.6 az	
ff with or, sy		chrt off wht lt gry lt smokey gry shrp frsh opaa transl, some transp, blk ang shards, with sli weath sli spongy edges/sides, pp moldic por, tan brn some blk stain edges, SSFO, odor? floaters dull UV		chrt lt gry, lt smokey gry shrp frsh opaa, transl, cloudy, shrp blk shards, with tan lt brn some blk colored stained edges, incr weath gran sli trip text edges, pp moldic por, SSFO, blk hvy stain, filmy RBSFO, floaters abound!, odor?			chrt off wht lt opaq transl, t trip text edge moldic por, t grsy SFO, od
	4750					4770	



6840 6860 6880 6900 6920 6940 6960 6980

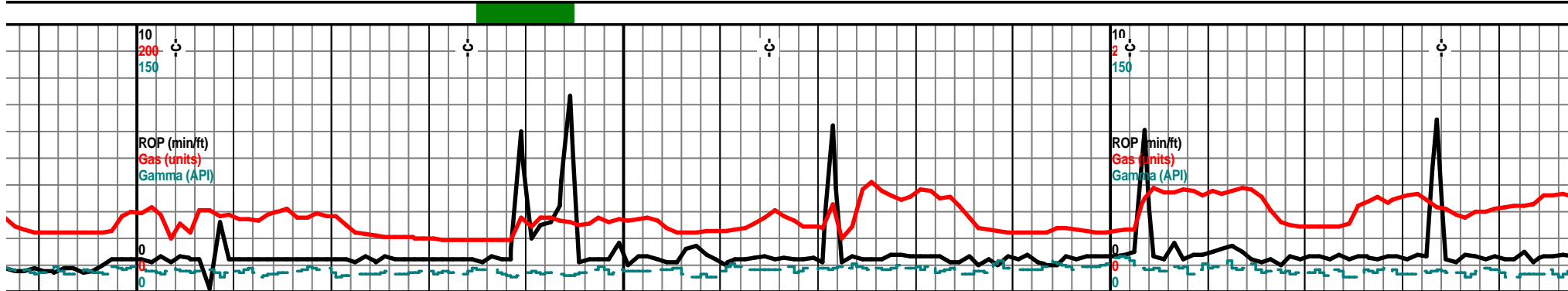
6848' 7am Minday, April 8, 2013				4670 TVD		Mud-Co. 6945' wt. 8.4 vis. 28 wl. N/C chl. 500		
Incr in frsh chrt content...chrt off wht lt gry lt smokey gry shrp frsh opa, transl, blk ang shards, with weath gran sli trip some spongy text, pp moldic por, tan lt brn brn blk hvy stain VSSFO, blk grsy SFO, sli odor?, dull scatt UV, much floaters						chrt wht off wht lt gry trl gry smokey shrp frsh opa, blk ang transl shards with sli weath edges, sli trip some spongy text, spl 80% frsh, tan brn some blk hvy stain, nodor, no gas bubs, mucho floating droplets.		chrt off wht lt gry shrp frsh op shards, transl, spl 85% frsh ch edge text, pp moldic por, tr ta stain, nodor, vry rare scatt UV



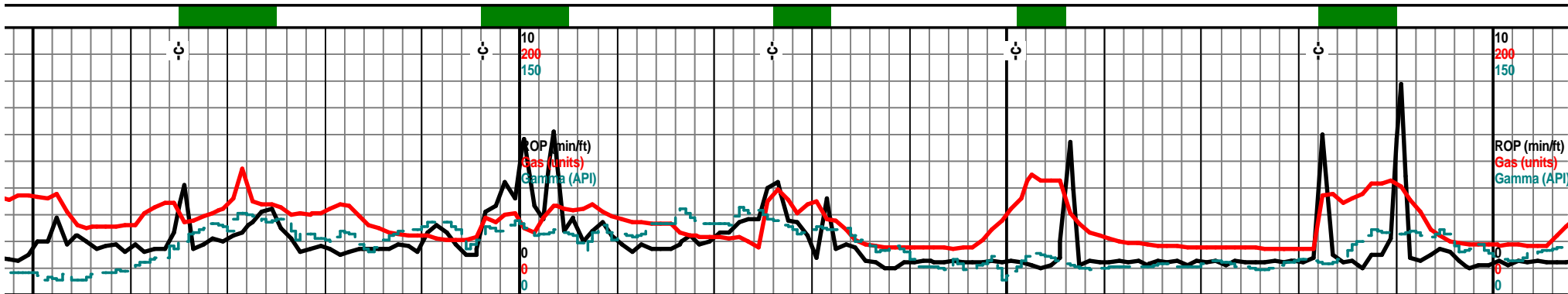
4713' 89.2 deg @ 180.6 az		4713' 89.9 deg @ 180.6 az		4713' 89.0 deg @ 180.7 az		4714' 87.6 deg @ 180.2 az		4715' 87.9 deg @ 180.4 az
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gry tl smokey color gry, shrp frsh blk ang shards, with sli weath sli s/sides, sliil gran spongy text, pp an brn some blk grsy stain, SSFO, lor? floaters			chrt off wht wht! lt gry shrp frsh opa blk ang shards, semi transl, with tr to some weath edge, vry sli weath sli trip text edges, tan brn trn blk stain, VSSFO, floating droplets			chrt off wht lt gry, lt smokey gry shrp frhs opa, transl, spl 80% frsh chrt, with tr weath gran sli trip edges, tr edge stain, some pp moldic por, tan brn some blk hvy stain nodor, much floating drops		
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4770



7000	7020	7040	7060	7080	7100	7120	7140
4670 TVD					4670 TVD		
chrt blk ang shrp rt, tr weath gran n brn and blk hvy , floating drops/oil		chrt wht off wht lt gry shrp frsh opa q blk y transl some cloudy, gran glau, msly shrp blk y ang shards, with tr weath fran sli trip text edges, tr pp moldic por, tan brn and blk stain, tr hvy blk stain nodor, ffloating droplets			chrt wht sli off wht shrp frsh blk y ang pcs, opa q semi transl, glau in prt, msly cloudy, tr weath gran semi spongy text, tr tan brn some blk hvy stain, nodor, floating oil drops, scatt dull edge UV		
4716' 88.9 deg @ 180.6 az		4717' 89.6 deg @ 180.6 az		4717' 89.6 deg @ 180.0 az	4717' 90.1 deg @ 179.2 az		4717' 90.3 deg @ 179.5 az
	chrt wht off wht lt gry shrp frsh opa q blk y, transl, some cloudy, gran, glau, msly shrp blk y ang shards, with tr weath gran sli trip text edges, tr pp moldic por, tan lt brn brn and blk stain tr hvy blk stain, nodor, floating droplets		chrt wht off wht, frsh shrp frsh semi opa q, transl, tr glau cloudy, blk y ang pcs, tr weath gran tr spongy text, pp moldic por, sli tan brn some blkhvy stain, nodor, sli UV, floating oil drops			chrt off wht lt gry shrp frsh opa q, shrp ang shards, transl, some cloudy, with tr weath gran edges, sli tan brn some blk hvy stain, blk gry stain, nodor, floating oil drops	
4770					4770		



7160 7180 7200 7220 7240 7260 7280 7300

4670 TVD

Bit Trip 7225'

chrt off wht wht frsh shrp blk ang opa tr lt gry smokey, transl, with gran sli weath text, sli pp moldic por, tr sli stain, blk grsy hvy stain and hvy SFO, nodor, scatt edge UV

chrt lt gry lt tan/gry shrp frsh opa glassy, bky ang pcs, chrt wht off wht shrp blk ang opa semi transl, lt smokey gry shrp opa semi transl shards, tr with weath edge text, tr tan brn blk stain, tr pp moldic por, nodor

chrt lt gry, dull lt gry shrp frsh opa trani pcs, chrt wht lt gry lt smokey blk opa semi transl shards with w spongy edge text, pp moldic por, tan stain, tr hvy blk stain, sli odor, gas UV

TIH with Bit
7 am April 9, 2013



4716' 92.0 deg @ 180.2 az

4715' 92.6 deg @ 180.2 az

4714' 92.1 deg @ 180.0 az

4713' 92.1 deg @ 180.0 az

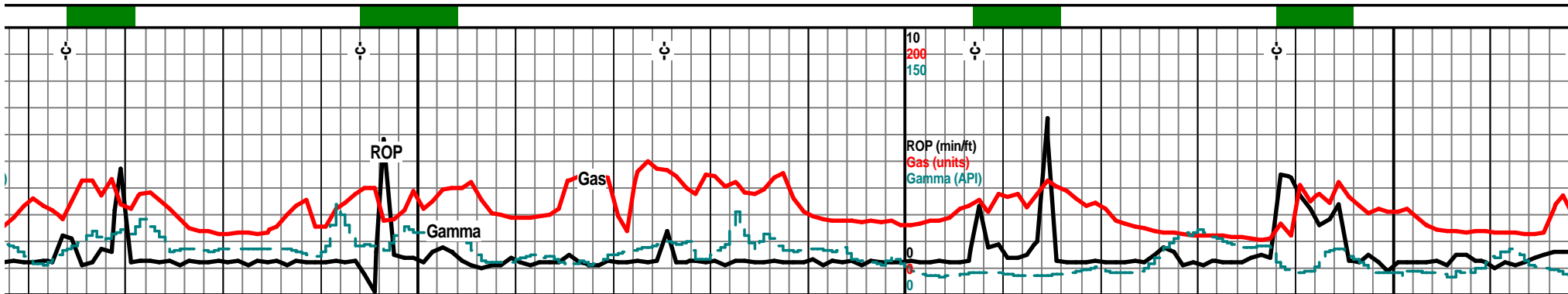
4712' 91.8 deg @ 180.0 az

4711' 89.7 deg @ 179.1 az

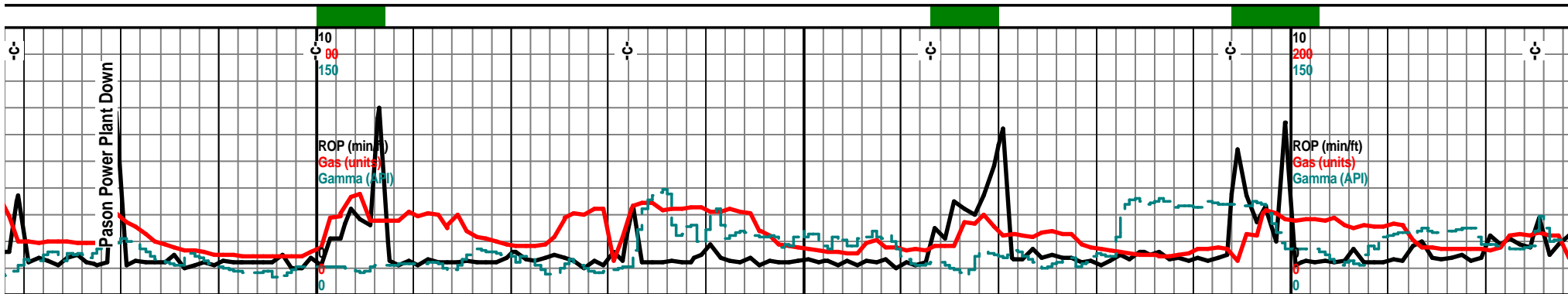
chrt lt gry dull gry shrp frsh opa, blk ang pcs, chrt wht off wht, lt gry shrp frsh opa blk ang pcs, sub transl, cloudy, with some weath gran sil trip edge text, sli pp moldic por, tan brn blk stain tr hvy blk stain, nodor, scatt UV, floating oil drops

chrt wht flky spongy gran in prt, glau, shrp frsh, chrt lt gry lt smokey gry shrp frsh opa transl, blk ang shards, with weath gran sli trip text edges, pp moldic por, tan brn stain, tr hvy blk stain, nodor, tr gas bubs

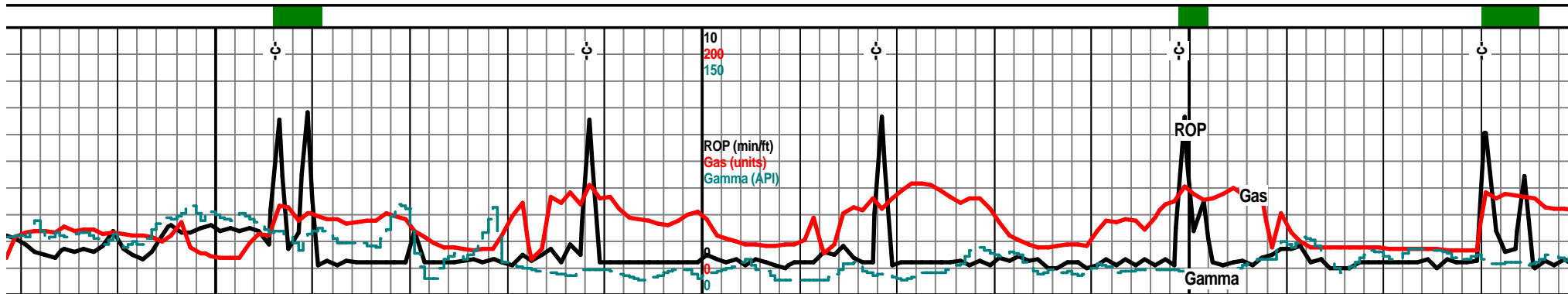
4770



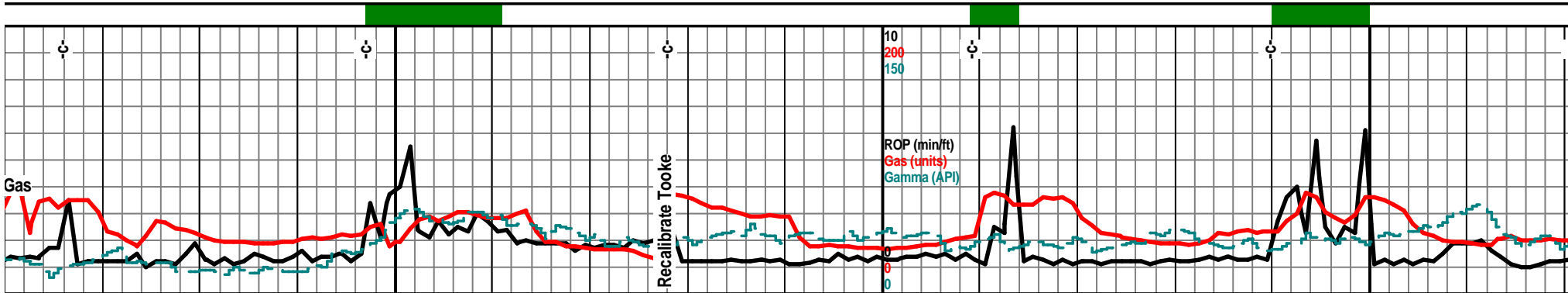
7320	7340	7360	7380	7400	7420	7440	7460
				4670 TVD			4712'
shy blk ang semi gry, shrp frsh eath sli trip sli an brn blk bubs, dull scat		chr dull gry shrp blk ang, opa, transl, some glau, chrt off wht lt gry shrp frsh opa, blk ang shrp shards, chrt lt gry smokey gry shrp frsh blk ang pcs with sli weath sli trip spongy edges, tan brn stained color, pp moldic por, SSFO, gas bubs, filmy SFO, many oil floaters.			chr dull gry/lt tan, shrp frsh, blk transl, chrt wht off wht lt gry shrp frsh opa, blk ang shrp shards, with sli weath sli trip/gran text edges, tan brn stained, VSSFO, blk gry stain, nodor, scatt UV		
	4712' 89.1 deg @ 178.5 az	4712' 88.9 deg @ 178.4 az		4713' 88.6 deg @ 178.4 az	4713' 90.1 deg @ 178.9 az		4713' 91.5 deg @ 179.3 az
chr lt gry dull gry shrp frsh opa blk ang sub transl pcs, chrt off wht lt gry lt gry smokey color, shrp ang blk opa shards, transl, with sli weath sli spongy tan brn stain edges, pp moldic por, vug por, VSSFO, filmy SFO, gas bubs, floating drops			chr off wht full gry shrp frsh opa blk ang transl, chrt off wht lt gry lt smokey gry shrp opa shards with tan brn stain weath sli gran spongy edges, pp moldic por, tan brn stain, try hvy blk stain, sli odor, gas bubs, many floaters, dull scatt UV				chr lt gry dull gry/tan, shrp frsh opa, semi transl, vit in prt, chrt off wht lt smokey gry, shrp frsh opa transl shards, with weath gran sli trip text edges, tan brn stained edges, tr hvy blk gry SFO, floating drops, sli odor, tr scat UV,
				4770			



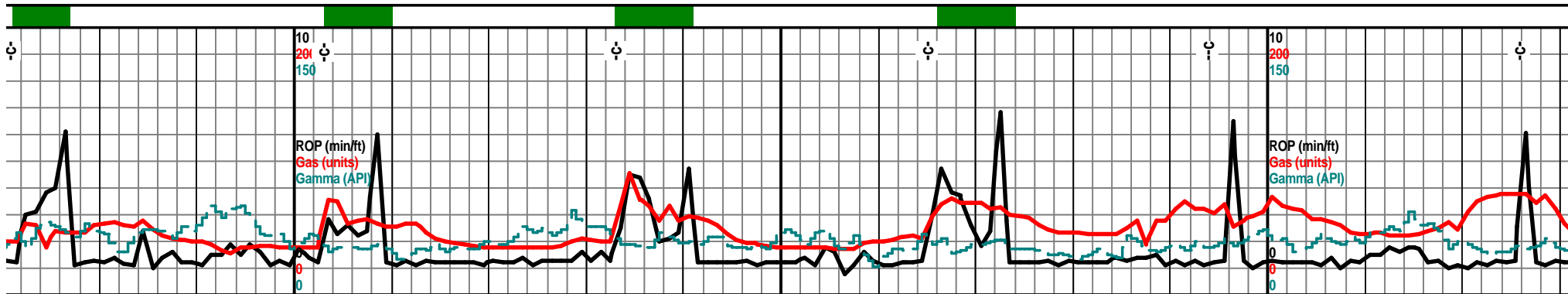
7480	7500	7520	7540	7560	7580	7600	7620
	4670 TVD					4670 TVD	
Power Loss							
chrt dull tan/gry shrp frsh blk semi transl, chrt wht off wht lt smokey gry shrp frsh blk semi ransl shards with tr weath gran sli text edges/sides, tan brn stained color, tr hvy blk stain, grsy SFO, scatt UV, sli odor?			chrt off wht, dull gry/tan shrp frsh, blk ang pcs, semi transl, with tr weath gran edges, sli pp moldic por, drk brn blk stain tr hvy blk SFO, dead stain, sli odor, filmy SFO			chrt (chrt 85% frsh in spl) off wht and lt gry dull tan, shrp frsh blk semi transl, ang pcs, opaqt wit tr weath edges, sli pp moldic por, drk brn blk stain, blk grsy SFO, sli odor, tr film SFO, scatt dull UV	
	4720					4720	
4712' 91.0 deg @ 179.4 az		4712' 89.6 deg @ 180.0 az		4712' 89.8 deg @ 180.3 az		4712' 89.8 deg @ 179.1 az	4712' 89.2 deg @ 178.6 az
		chrt wht off wht lt gry, lt gry/tan, shrp frsh opaqt, semi transl, hrd blk pcs, with sli tr weath edge, tr gran sli trip edges, brn blk stained, tr blk grsy stain, sli odor, scatt UV, show: poor		chrt lt gry dull gry/tan shrp blk ang pcs, semi transl, opaqt, with tr weath edges, sli pp moldic por, drk brn blk stain blk grsy SFO, sli odor filmy SFO			chrt off wht lt gry, transl, blk hrd pc spongy, tr sli wea brn drk brn stain, many floating dro
	4770					4770	



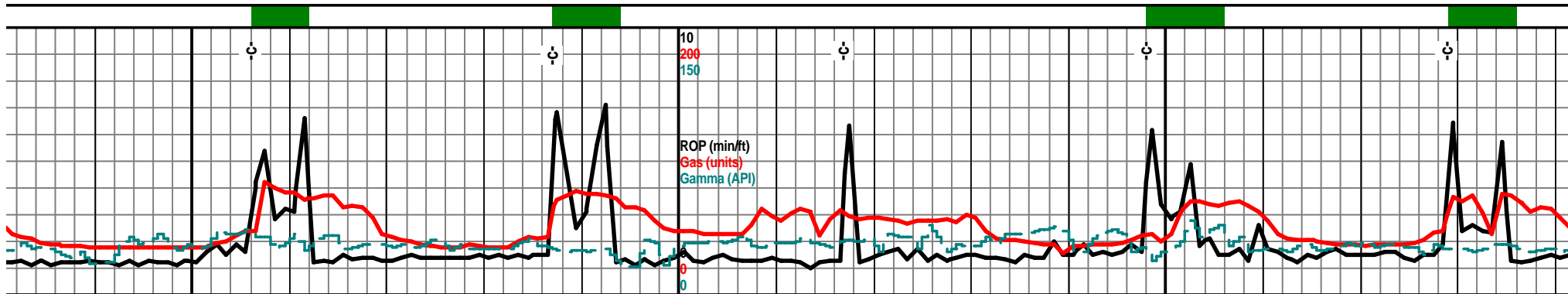
7640	7660	7680	7700	7720	7740	7760	7780
7 am 7638' April 10, 2013 Ice Storm!	chrt off wht lt gry dull tan/gry shrp frsh blkly ang transl pcs, with chrt lt gry tr gran spongy text, tr sli weath edge text, pp moldic por, tan brn drk brn stain, tr hvly BlkSFO, filmy SFO, much floating oil drops in spl tray, scatt dull edge UV		4670 TVD	chrt incr frsh less vis show, wht off wht lt gry shrp frsh opaang blkly shards, semi transl, tr glau, tr weath gran sli trip text edges, pp moldic por, tan brn blk stain, tr hvly blk stain, odor?, dull scat UV, floaters			chrt off wht lt gry dull gry/tan, shr blklyang opaang pcs, chrt off wht lt s frsh opaang with sli weath text edge por, tan brn some blk stained edge grsy stain, floaters, dull scat UV, :
4713' 90.2 deg @ 178.7 az	4712' 90.7 ded @ 178.4 az		4720	4712' 90.2 deg @ 178.7 az	4712' 89.7 deg @ 178.6 az	4712' 90.1 deg @ 178.9 az	
dull lt gry/tan, shrp frsh opaang, s, with chrt lt gry tr gran th edge text, pp moldic por, tan tr hvly blk stain, hvly blk SFO, ps, odor? scatt dull UV	chrt wht off wht lt gry in prt, shrp frsh opaang, semi transl, shrp ang shards, with sli weath gran sli trip text edges, tan brn stained, pp moldic por, tan brn stain, tr hvly blk stain, sli odor, grsy stain, gas bubs, floating drops, scatt UV		4770	chrt off wht lt gry dull gry/tan shrp frsh blkly ang pcs, tr glau, chrt wht lt gry shrp frsh opaang sharp shards with weath text edges, pp moldic por, tan brn blk stained color, tan brn stain, Filmy SFO, bly hvly grsh stain odor? scatt UV			



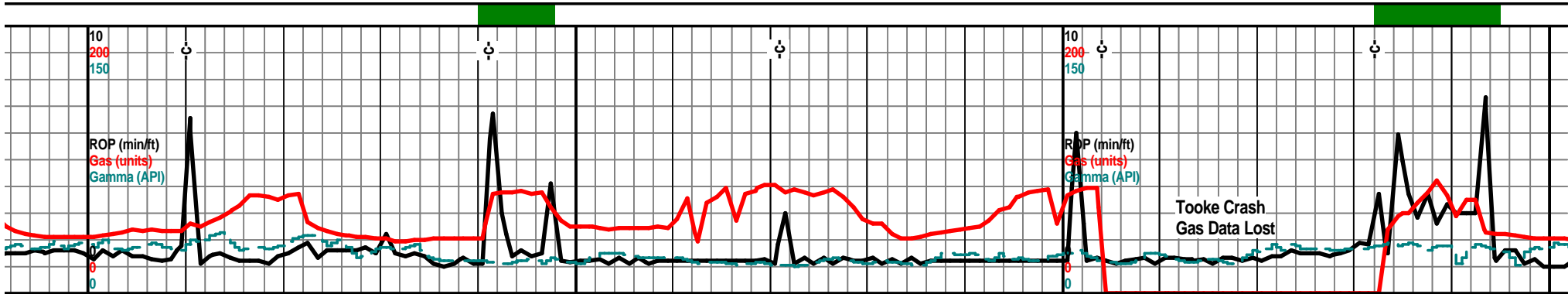
8120	8140	8160	8180	8200	8220	8240	8260
			8178' 7 am April 11, 2013 Bit Trip				
chrt wht off wht lt smokey gry, shrp frsh opa, trans, blk ang shrp shards, with soft gran sli weath sli trip text edges, pp moldic por, tan brn mstly blk stained edges, tan brn stain, SSFO, mstly blk hvy grsy SFO, floaters, rare dull scatt UV			chrt lt gry lt smokey gry shrp frsh opa, semi trans, blk ang shrp shards, with tr weath gran edge text, pp moldic por, tan brn stain, mstly barren, tr blk hvy grsy stain poor sampe-rxs not up yet!		chrt lt gry off wht dull tan/gry shrp frsh semi trans, blk ang pcs, chrt off wht w shrp opa with sli weath sli gran text, p brn stain, drk tan bry hvy grsy SFO, noc scatt UV		
4710' 92.7 deg @ 178.7 az			4708' 92.3 deg @ 179.0 az		4706' 92.7 deg @ 179.1 az		
4709' 91.9 deg @ 178.6 az					4705' 92.6 deg @ 179.1 az		
gran/spongy aa, chrt wth off wht gry shrp frsh opa semi trans, tr ng shards with sli weath gran sli in brn stained color, tan brn stain FO, SSFO, nodor, floating gas			chrt off wht, off wht, frsh gran soft, chrt wht off wht lt gry smokey, shrp frsh opa trans, blk ang shrds, with weath gran sli trip text edges, pp moldic por, tan brn some blk stained edges, tan brn mstly blk hvy stain, floaters, nodor,		chrt off wht lt gry, shrp frsh opa, semi trans, blk ang shrds, chrt off wht wht frsh gran tr spongy sli trip text, pp moldic por, tan brn some blk stain, blk grsy stain sli odor?, scatt dull UV, dull show		



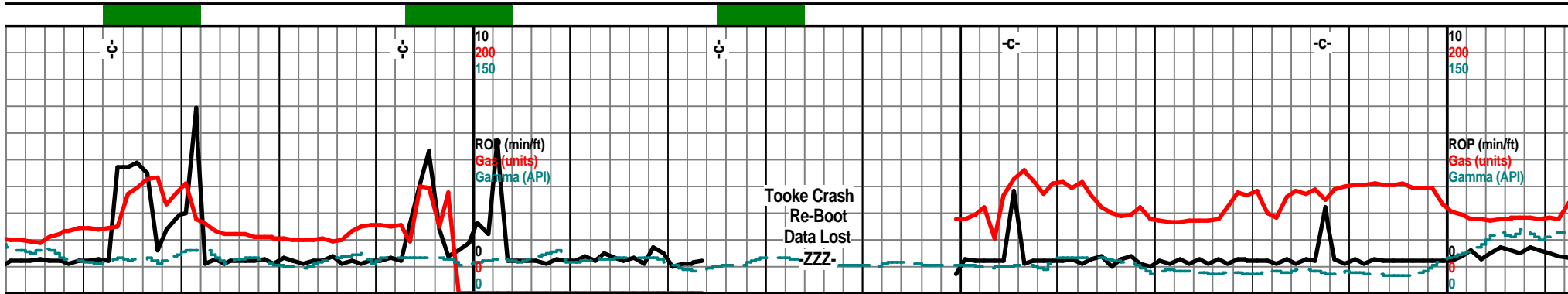
8280	8300	8320	8340	8360	8380	8400	8420	
4670 TVD						4670 TVD	7 am 8427' April 12, 2013	
opaq, rht frsh p por, tan for, dull	chrt incr frsh, lt gry, wht lt gry mott, shrp frsh blk opa ang shrp shards, tr glau, with sli weath gran edges, frac pp moldic por, drk tan brn stain, grsy hvy stain/SFO, no gas nodor					chrt off wht lt gry, dull gry/tan, shrp frsh opa, semi transl, some semi transp, blk ang shrp shards, tr tan brn mstly blk edge stain, some blk grsy stain, nodor, tr floating drops		chrt semi shar por, nod
4704' 91.8 deg @ 179.1 az		4703' 91.0 deg @ 179.0 az	4703' 90.1 deg @ 179.3 az			4703' 89.1 deg @ 179.5 az	4703' 89.7 deg @ 180.0 az	
4720						4720		
chrt lt gry, lt gry wht mott, shrp frsh opa, semi transp, blk ang shards, tr glau, with chrt off wht shrp frsh opa semi transl, blk ang pcs with sli weath gran some spongy text edges, tan brn stained, drk brn stain, tr hvy grsy stain, nodor, some floaters, dull scatt UV		chrt off wht lt gry, dull gry/tan, shrp frsh blk opa shrp shards, semi transl, tr glau, with tr drk brn blk edge stain, nodor, rare scatt edge UV, tr floating drops					chrt off wht, lt gry, dull gry/tan, shrp frsh opa, semi transl, some semi transp, blk ang shrp shards, tr tan brn mstly blk stain, some blk grsy stain, nodor, tr floating oil droplets	
4770						4770		



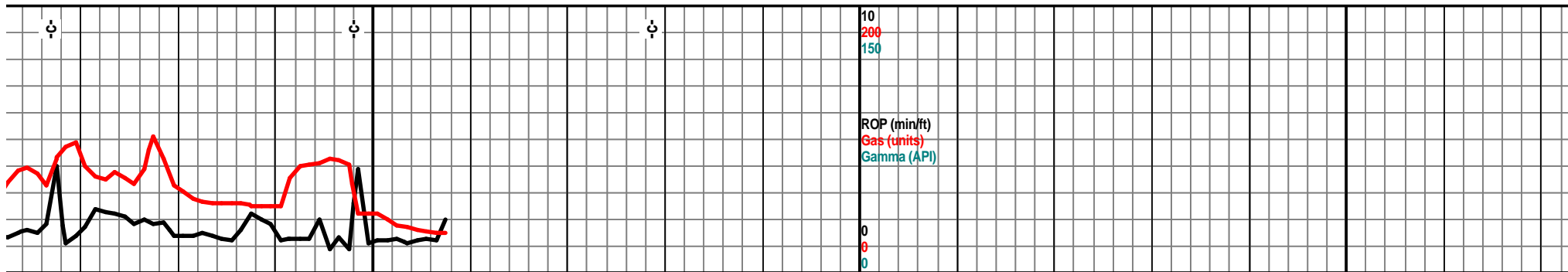
8440	8460	8480	8500	8520	8540	8560	8580
Mud-Co. 8459' wt. 8.4 vis. 27 wl. N/C chl. 600			4670 TVD				
off wht lt gry, dull gry/tan, shrp frsh opa, i transl, some sli transp, shrp blk ang shrp ds, tr drk stained edge, tr frac, pp small vug drk brn blk stain, mstly blk hvy grsy stain or, tr floaters, scatt rare UV			chrt off wht lt gry, lt gry dull tan/gry shrp frsh opa, semi transl, blk ang shrp shards with trn brn blk stained edges, blk hvy stain, nodor, scatt rare edge UV			chrt off wht lt gry, dull tan/lt gry, shrp frsh opa, shdards, semi transl, blk ang hrd, with sli tr weath text (rare) wht drk brn blk grsy stain, nodor, rare scat UV	
4703' 89.9 deg @ 179.5 az	4704' 89.4 deg @ 180.0 az	4704' 88.8 deg @ 180.0 az	4705' 89.1 deg @ 180.2 az	4705' 88.5 deg @ 180.2 az			
	chrt off wht lt gry, dull lt gry/tan shrp frsh opa, semi transl, blk ang shrp shards, with trace brn blk stained edges. blk hvy stain, nodor, nogas, scat rare edge UV, floaters gone		chrt off wht lt gry, dull tl gry/tan, shrp frsh opa, semi transl, blk ang sharp shards, with trace vrn blk stained edges, blk hvy stain nodor, scat rare edge UV, tr floating drops			chrt off wht lt gry, tr dul semi transl, blk ang shr text edge stain little if a stain, nodor, no floater:	
			4770				



8600	8620	8640	8660	8680	8700	8720	8740
4670 TVD					4670 TVD		
chrt off wht lt gry, dull lt tan/gry, shrp frsh opa, semi transl, blk ang shrp pcs, with rare trace weath text edges/sides, and tr brn brl mstly hvy blk stain, nodor, NSFO, dull scat edge UV			chrt off wht clr, gry wht mott, shrp frsh opa shrp blk transl shrp shrds, tr rare pp moldic por, tan brn blk stain, tr blk hvy stain, grsy SFO, tr gas bubs, nodor, scat rare dull UV			chrt wht off wht lt gry shrp frsh opa sub tra blk ang shards with incr sli weath edge tex some moldic por, drk tan brn stain, drk grsy stain, grsy SFO, nodor, no gas, dull scatt UV	
4706' 87.4 deg @ 180.4 az	4720	4708' 87.9 deg @ 180.2 az	4709' 88.1 deg @ 179.8 az	4710' 88.1 deg @ 179.8 az	4720	4711' 88.1 deg @ 179.8 az	4711' 88.9 deg @ 179.5 az
ll gry/tan, shrp frsh opa p shards, with tr weath ny vis por, drk brn blk hvy s			chrt off wht whlt lt gry, dull gry tan shrp frsh opa, semi transl, shrp blk ang shrads, with rare weath edges/sides, small pp moltic por, brn blk stain, tr hvy blk stain, nodor			chrt off wht clr, gry wht mott in prt, shrp frsh opa blk transl shards, tr pp moldic por, tan brn mstly blk hvy stain, tr hvy blk grsy SFO, nodor, tr gas bubs	
4770					4770		



8760	8780	8800	8820	8840	8860	8880	8900
		4670 TVD					4670 TVD
insl, t, pp hvy		chrt lt gry wht mott frsh shrp blk ang sharp opa shards, semi transl, chrt lt gry off wht and tan brn mott, weath gran sli trip text, tr spongy text, pp moldic por, tan brn blk stain, hvy grsy SFO, drk brn SSFO, sli odor, tr floaters, scatt dull UV			chrt off wht lt gry, lt gry wht mott frsh shrp blk ang shrds, sub trans with sli weath sli gran/trip text, pp por, tan brn blk stain, blk grsy stain, drk brn SFO, sli odor, scatt edge UV		chrrt o transl, edge t grsy S
		4720	4712'	4712'	4711'	4720	4711'
	4712' 89.5 deg @ 180.2 az		90.5 deg @ 180.4 az	90.6 deg @ 180.0 az	90.4 deg @ 180.2 az		90.7 deg @ 180.0 az
							47
							18
	chrt wht off wht lt gry, shrp frsh opa, semi transl, blk ang shrp shards, with tr weath gran edge text, some pp moldic por, tan brn some blk stain, blk grsy hvy stain, nodor, tr gas bubs scatt dull edge UV		chrt lt gry wht clr mott, shrp frsh opa, blk semi transl shards, chrt lt gry off wht with tan brn stained weath sli trip some spongy text, pp moldic por, tan brn blk stain, drk brn SSFO, blk grsy stain, sli odor, dull scatt UV				chrt off wht lt gry lt gry/wht mott frsh shrp blk pcs, sub transl, with sli weath gran sli trip type edge text, some pp moldic por, brn/blk stain, grsy stain/SFO, odor? scatt edge UV
		4770					4770



10
200
150
ROP (min/ft)
Gas (units)
Gamma (API)
0
0
0

8920 8940 8960 8980 9000 9020 9040 9060

4670 TVD

ff wht lt gry, lt gry/wht mott, shrp frsh opa, shardy, with some weath gran sli spongy ext, tr pp moldic por, brn blk stain, biky hvy FO, odor? scatt UV

Total Depth MD 8958'

Woolsey Operating Co.
Lincoln Trust #2 H
N 1/2 NE 1/4 SE 1/4
2310' FSL, 660' FEL
Sec 14-TWP 34 S-Rge 11 W
Barber County, Kansas



711'
leg @
10.0 az

4710'
90.7 deg @
180.0 az

4720

chrt lt gry, off gry wht mott, frsh shrp blk ang shards, sub transl, with some weath gran spongy edge text, pp moldic por, drk tan brn and blk stain, drk stain hvy grsy stain nodor, no gas, scat dull edge UV

4770

