

# Woolsey Operating Company, LLC

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

Well Name: Michel 1 H  
Location: Section 7 - Township 34 South - Range 11 West  
License Number: 15-007-24022-01-00 Region: Barber County, Kansas  
Spud Date: June 7, 2013 Drilling Completed:  
Surface Coordinates: 2246' FNL and 1480' FEL  
Apx. NE SE SW NE  
Bottom Hole Coordinates:  
Ground Elevation (m): 1432' K.B. Elevation (m): 1449'  
Logged Interval (m): 3700' To: Total Depth (m):  
Formation: Heebner ----> Mississippian  
Type of Drilling Fluid: Chemical Mud, Water/Flozan  
Printed by HORIZONTAL.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://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









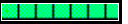











### Remarks

Gas Detection: Woolsey Operating, Trailer #2  
 Mud Systems: Mud Co. Brad Bortz, Terry Ibson Engineers  
 Directional System: Calmena Energy, Heath Marshall, Mark Sanders, Directional Drillers  
 MWD Hands: Shane Lewis, Caleb Consalvi  
 Woolsey Operating Company Man: Mike Tharp








































































### Rig Crews

Tool Pusher: Steve Ellington, Relief: Sammy Fry  
 Day Drillers: Johnnie Stone, Jack Lambert  
 Night Drillers: Tanner Barber, Terry Stark  
 7 days on 7 days off, 12 hour tours

### ROCK TYPES

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

### ACCESSORIES

<b>MINERAL</b>	 Gyp	<b>FOSSIL</b>	 Ostra	 Sltstrg
 Anhy	 Hvymin	 Algae	 Pelec	 Ssstrg
 Arggrn	 Kaol	 Amph	 Pellet	<b>TEXTURE</b>
 Arg	 Marl	 Belm	 Pisolite	 Boundst
 Bent	 Minxl	 Bioclst	 Plant	 Chalky
 Bit	 Nodule	 Brach	 Strom	 Cryxln
 Brecfrag	 Phos	 Bryozoa	<b>STRINGER</b>	 Earthy
 Calc	 Pyr	 Cephal	 Anhy	 Finexln
 Carb	 Salt	 Coral	 Arg	 Grainst
 Chtdk	 Sandy	 Crin	 Bent	 Lithogr
 Chtlt	 Silt	 Echin	 Coal	 Microxln
 Dol	 Sil	 Fish	 Dol	 Mudst
 Feldspar	 Sulphur	 Foram	 Gyp	 Packst
 Ferrpel	 Tuff	 Fossil	 Ls	 Wackest
 Ferr		 Gastro	 Mrst	
 Glau		 Oolite		

**OTHER SYMBOLS**

**POROSITY**

- E Earthy
- F Fenest
- F Fracture
- X Inter
- M Moldic
- O Organic
- P Pinpoint

V Vuggy

**SORTING**

- W Well
- M Moderate
- P Poor

**ROUNDING**

- R Rounded
- S Subrnd
- A Subang
- A Angular

**OIL SHOW**

- E Even

S Spotted

- Q Ques
- D Dead

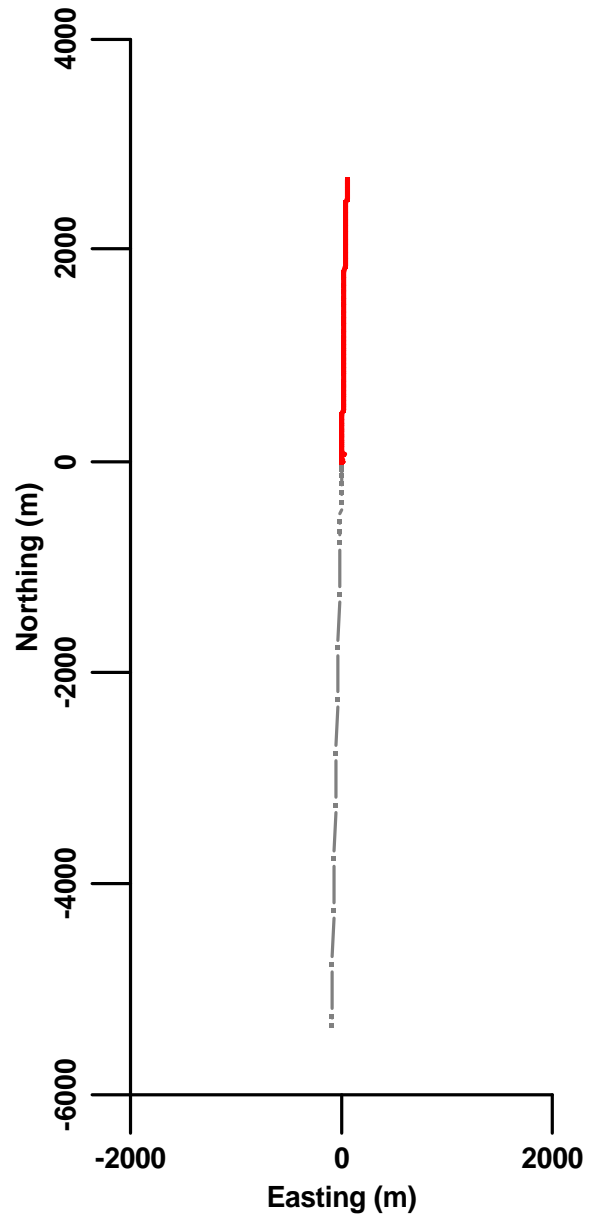
**INTERVAL**

- C Core
- D Dst

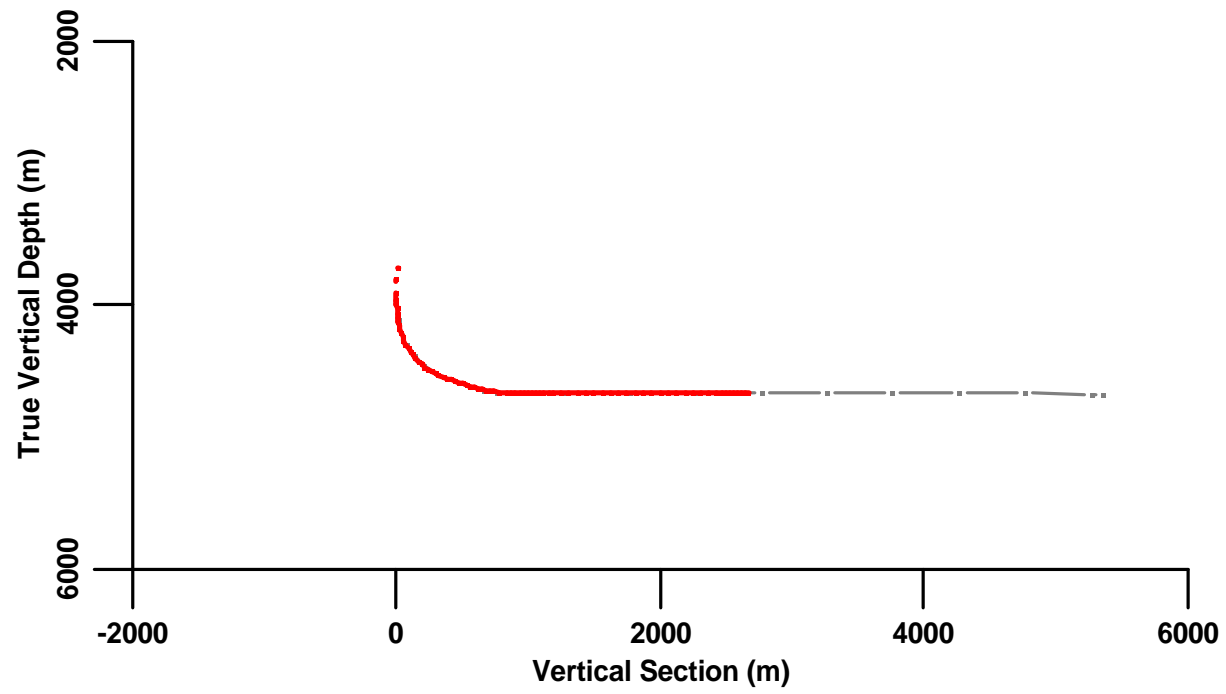
**EVENT**

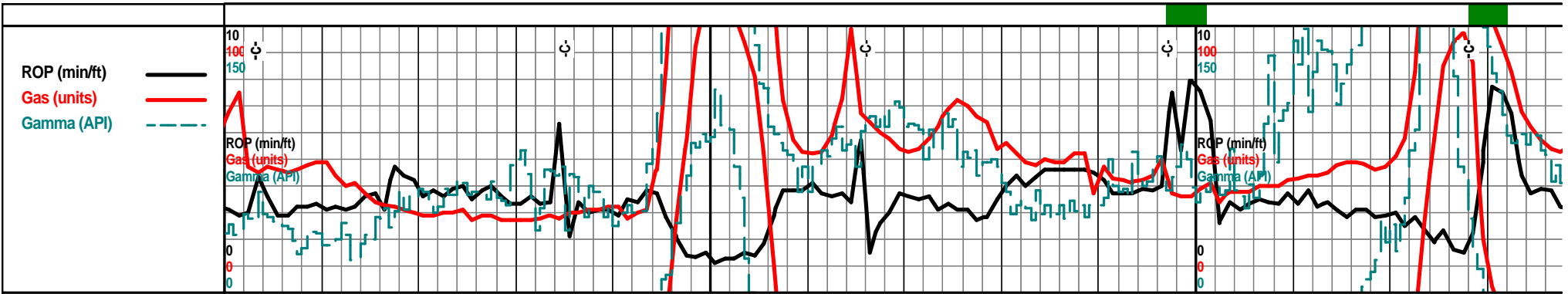
- R Rft
- S Sidewall

# Plan



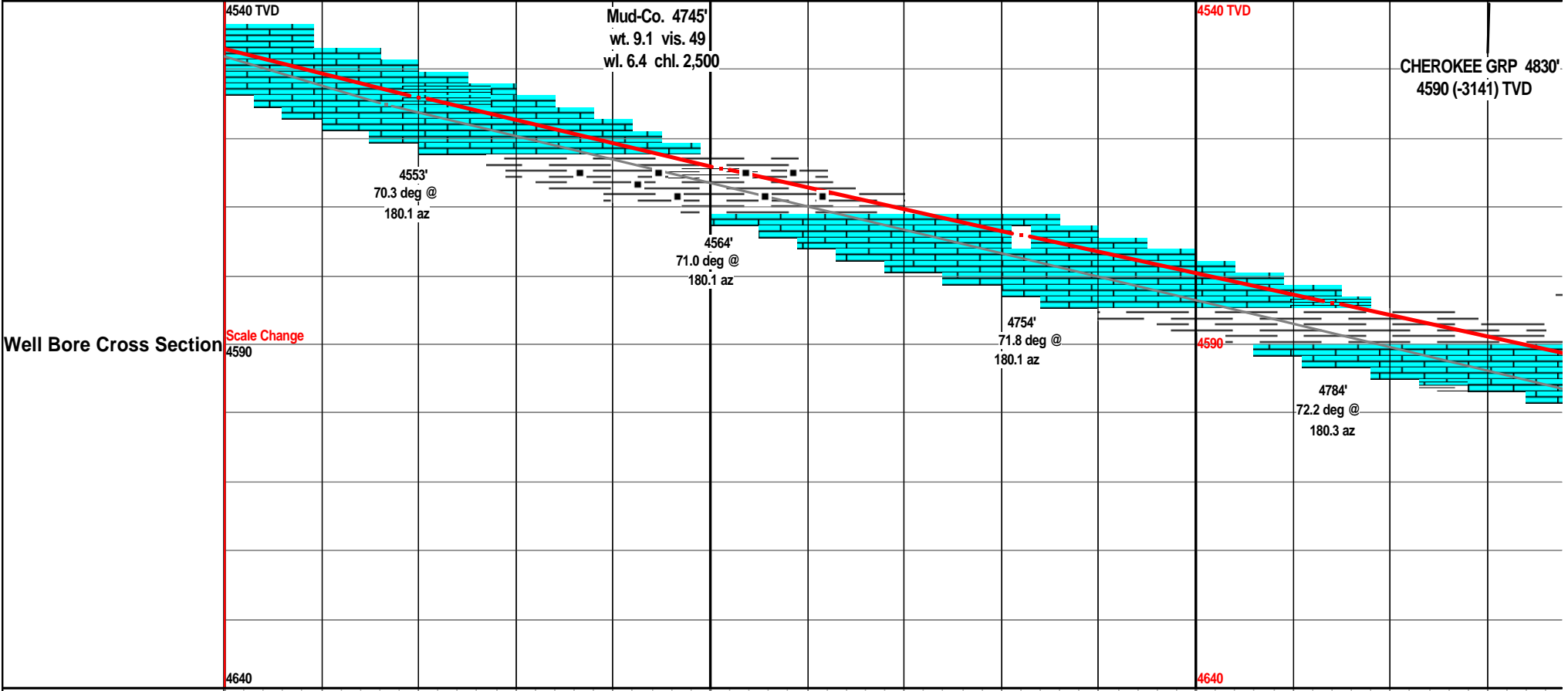
# Elevation



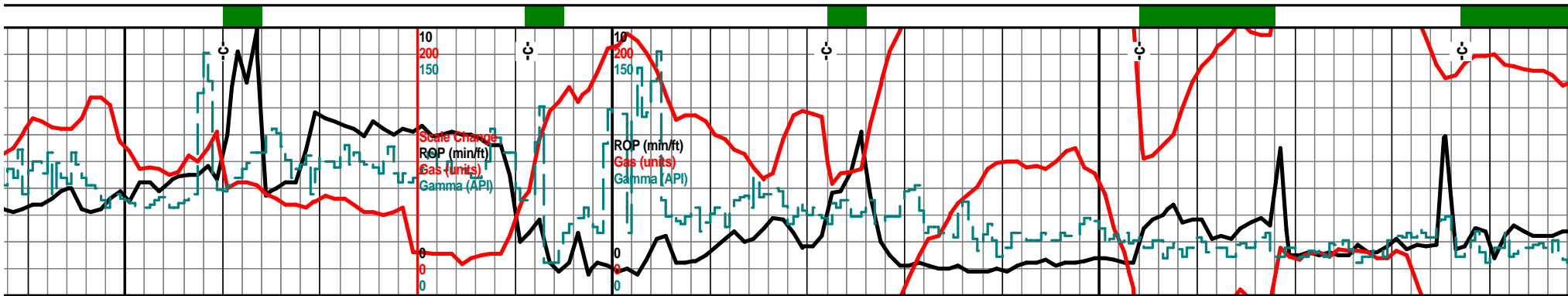


Oil Shows

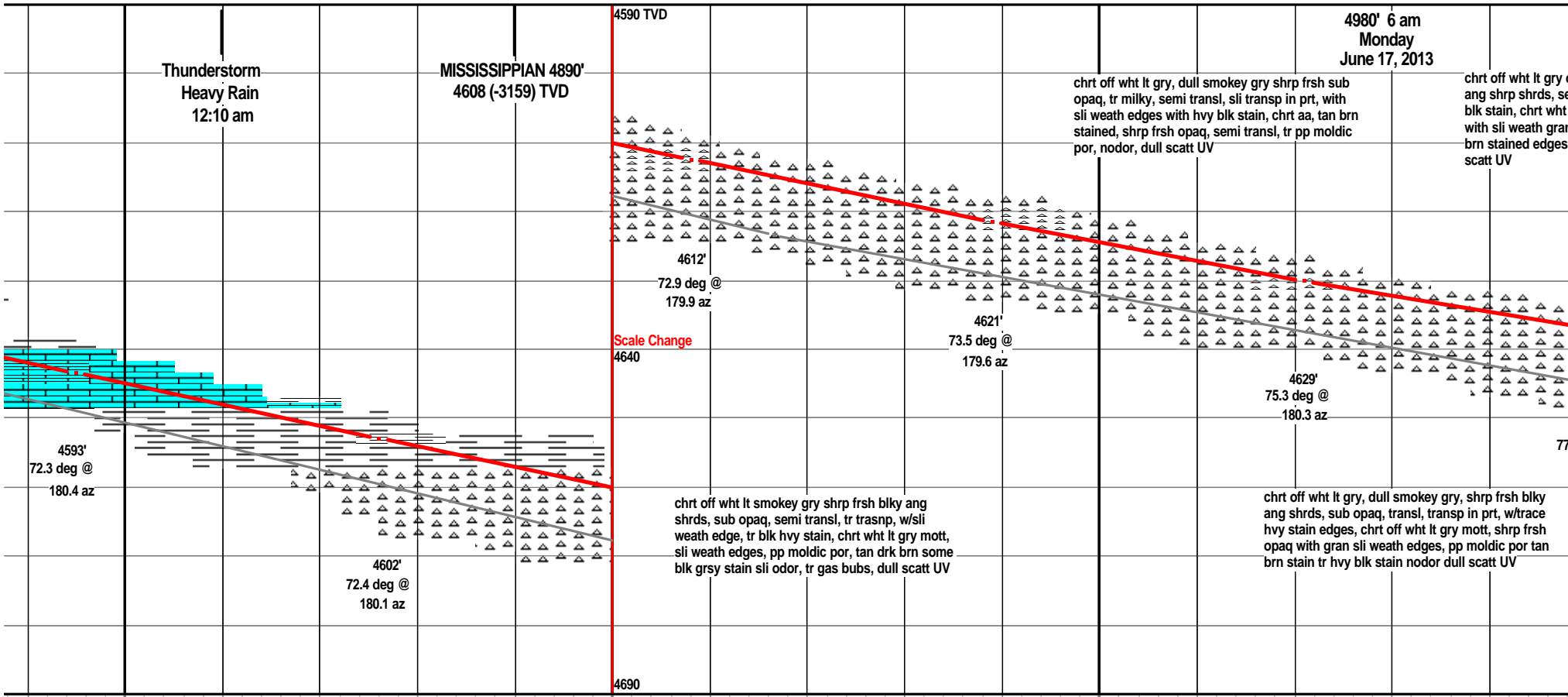
Depth 00 4720 4740 4760 4780 4800 4820



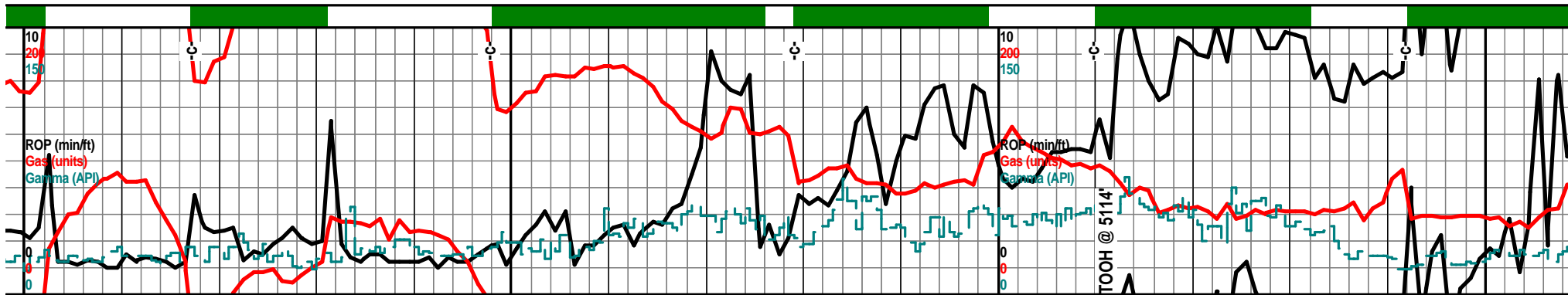
Porosity	24%
	18%
	12%
	6%
Porosity Type	



4840 4860 4880 4900 4920 4940 4960 4980



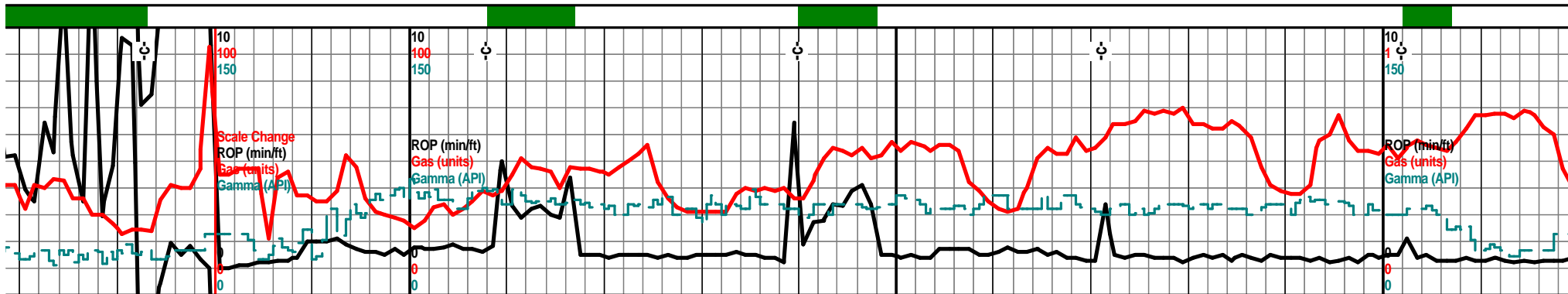
4980' 6 am  
Monday  
June 17, 2013



5000 5020 5040 5060 5080 5100 5120 5140

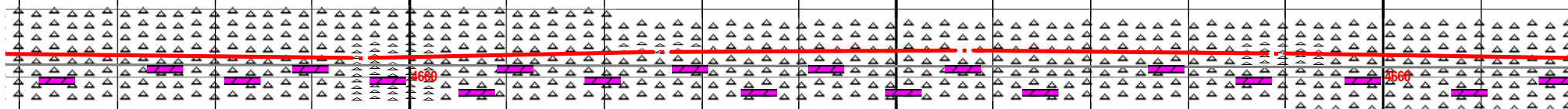
<p>4590 TVD</p> <p>dull smokey gry, shrp frsh blk mi transl, some transp, tr hvy off wht lt gry shrp frsh opa edge text pp moldic por, tan lt , tr blk hvy stain nodor dull</p>		<p>chrt off wht, lt gry dull lt smokey gry shrp frsh semi opa, sli transl in prt, tr transp, blk ang shrp shrds, chrt off wht lt gry with tan lt brn stained sli weath gran text edges, tr hvy blk stain, vis gas bubs, nodor, live UV shows</p>	<p>Mud-Co. 5080' wt. 9.2 vis. 51 wl. 8.0 chl. 3,000</p>	<p>4610 TVD</p> <p>TOOH at 5114' Downhole motor shelled out</p> <p>chrt off wht lt gry, dull smokey gry shrp frsh opa blk ang shrds, semi transl, transp in prt. chrt tan off wht lt gry frsh blk ang with tr sli weath gran sli trip text edges, pp moldic por, tan brn stain, live gas bubs, filmy SFO, nodor, tr blk hvy stain</p>	<p>chrt lt gry off wht lt milky ang shrds, semi transl, so wht lt gry shrp frsh opa trip text edge, pp moldic edge stain, gas bubs, live</p>
<p>4637' 181.0 deg @</p>	<p>4643' 78.9 deg @ 181.3 az</p>	<p>4649' 81.4 deg @ 181.7 az</p>	<p>4653' 83.6 deg @ 181.7 az</p>	<p>4660'</p> <p>Scale Change</p> <p>4656' 85.8 deg @ 181.5 az</p>	
<p>4690</p>	<p>chrt off wht lt gry, lt dull smokey gry shrp frsh semi opa, sli transl, some transp, blk ang shrds, with tr sli weath edge text, hvy grsy stain, chrt lt gry smokey gry, shrp frsh with sli weath gran edges, pp moldic por, sli tan lt brn stain, vis gas bubs, nodor</p>	<p>chrt wht off wht lt smokey gry, shrp frsh opa, sub opa, semi transl, tr transp, with gran weath sli trip text edges, pp moldic por, pp por, tan brn stained edges, hvy blk stain, filmy SFO, gas bubs, live UV, nodor</p>		<p>chrt off wht lt gry smokey, milky opa color, shrp frsh blk ang shrds, semi transl, some transp in prt, chrt off wht lt gry aa with sli weath gran edge text, pp moldic edge por, tan lt brn stain, gas bubs, scatt live UV, tr hvy blk stain</p>	<p>chr shr gry lt b grs</p>





5160 5180 5200 5220 5240 5260 5280 5300 5

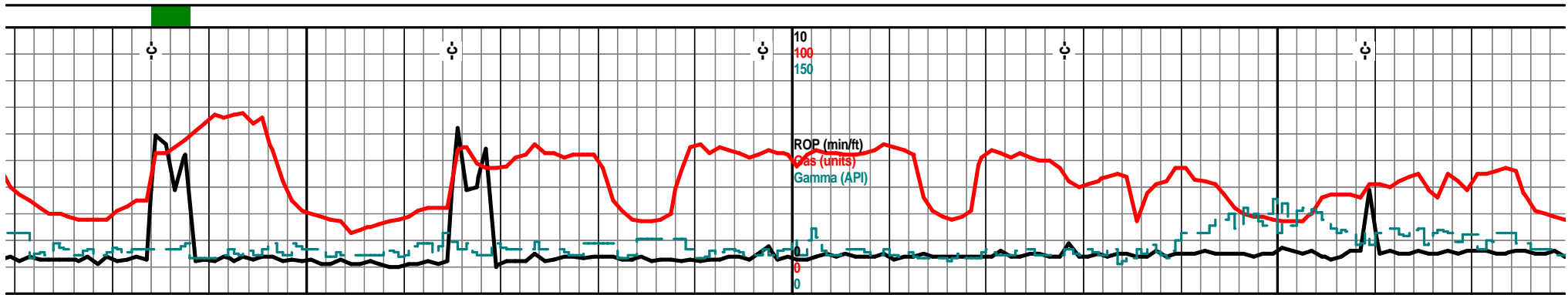
	7" Casing Depth 5180'	4610 TVD			5265' 6 am Friday June 21, 2013	@	4610 TVD	
opaq color, shrp blkly me rare transp, chrt off with sli weath gran sli dge por, drk tan lt brn UV, nodor		chrt off wth lt gry, milky smokey color, shrp blkly ang semi transl, with weath gran vry sli trip text edges, tan brn stain, tr hvy brn stain, gas bubs, dolo chrty dolo crm off wht lt gry/green f vf xln gran soft sub chlkly, pp inter xln por, tan drk tan brn stain, chrt inclu, dull scatt UV			chrt lt gry lt smokey gry, shrp frsh opaq transl, mstly transp, with weath gran trip text edges, pp moldic por, tan brn blk stain tr hv stain, gas bubs, dull UV, with off wht lt gry green dolo edge, inter xln por, tan brn blk stain, blk SFO, nodor			chi sei tex hv, soi sul



	4657' 180.4 az 92.4 deg @	4656' 91.3 deg @ 181.0 az	4656' 89.3 deg @ 180.6 az	4656' 88.9 deg @ 180.6 az	4656' 88.7 180
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t off wht lt gry, gry wht mott, milky gry opa, p frsh opa, blkly ang shrds, with chrt off wht lt , weath gran edge text, pp moldic edge por, tan rn stained edges, tr gas bubs, tr hvy brn/blk y stain, scatt live UV		dolo crm off wht lt gry green, vf xln gran soft silty gritty in prt, with lt gry frsh shrp opaq blkly ang chrt inclu, tr weath gran edge, pp moldic por, stain drk hvy stain along chrt/dolo contact, chrt lt smokey gry shrp frsh blkly opa, with sli weath gran sli trip text edge, pp moldic por, stain, gas bubs		dolo off wht lt gry/green f vf xln gran soft blkly fnly sucr pcs, chrty in prt, chrt lt gry lt smokey gry, shrp frsh opaq semi transl, mstly transp, with weath gran sli trip text edges, pp moldic por, drk brn blk stained on edge, hvy blk SFO, gas bubs, scatt dull UV
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4710 4710

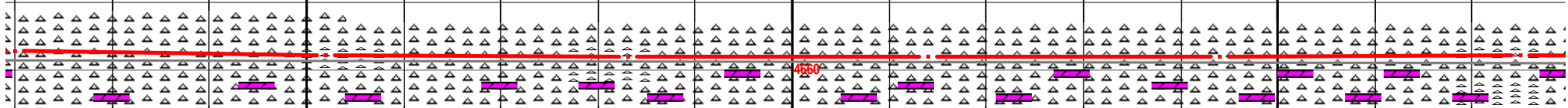


5320 5340 5360 5380 5400 5420 5440 5460 5480

rt off wht lt gry lt smokey gry, shrp frsh opa, mi-transl, mstly transp, with weath gran sli trip edges, pp moldic por, tan brn to blk stain, y brn SFO, sli odor, tr gas bubs, dull UV, with me dolo off wht lt gry/green f vf xln gran dns b chlky, chrty with chrt inclu aa

chrt lt gry lt smokey gry to tan brn mott, frsh opa gran, with weath gran sli trip text pp moldic por, tan brn stain, drk hvy SFO, gas bubs, sli odor, dolo crm off wht lt gry green f vf xln gran soft sub chlky stain drk grsy stain drk SFO

dolo pff wt ;t gry/greenish, f vf xln gran blkly dns tr glau, pp inter xln por, drk tan brn stain, tr blk stain, chrt off wht lt gry to clr, opa transp in prt, weath gran sli trip edge, pp moldic por, brn blk stain, tr hvy blk stain, odor? tr gas bubs dull scatt UV



4657' deg @ 1.4 az

4657' 89.1 deg @ 180.8 az

4658' 90.0 deg @ 180.3 az

4658' 90.2 deg @ 180.8 az

4657' 90.2 deg @ 180.8 az

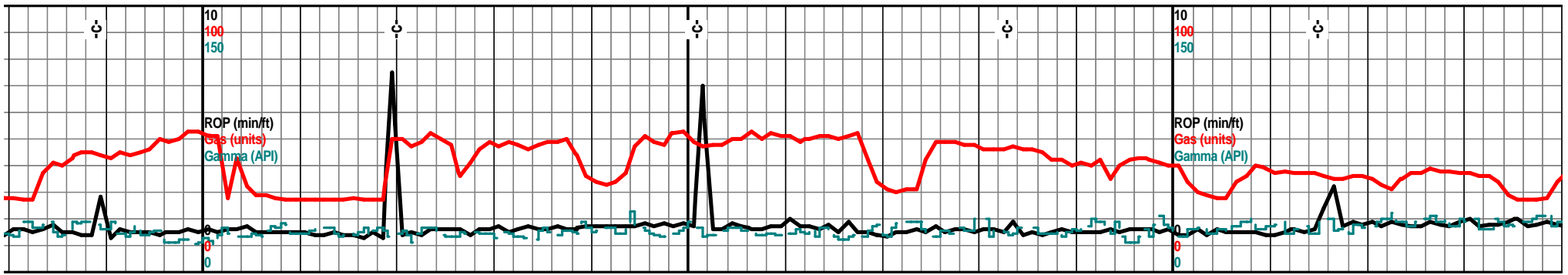
4657' 89.9 deg @ 180.8 az

chrt off wht lt gry lt gry smokey with tan brn mott, shrp frsh opa, semi transl, mstly transp, blkly ang shrds with weath gran sli trip text edges, pp moldic por, tan brn stain, drk grsy SFO, gas bubs, dolo wht off wht lt gry green f vf xln dns blkly ang soft sub chlky, tr glau, some chrty, chrty inclu, tan brn stain, drk SFO/brkn

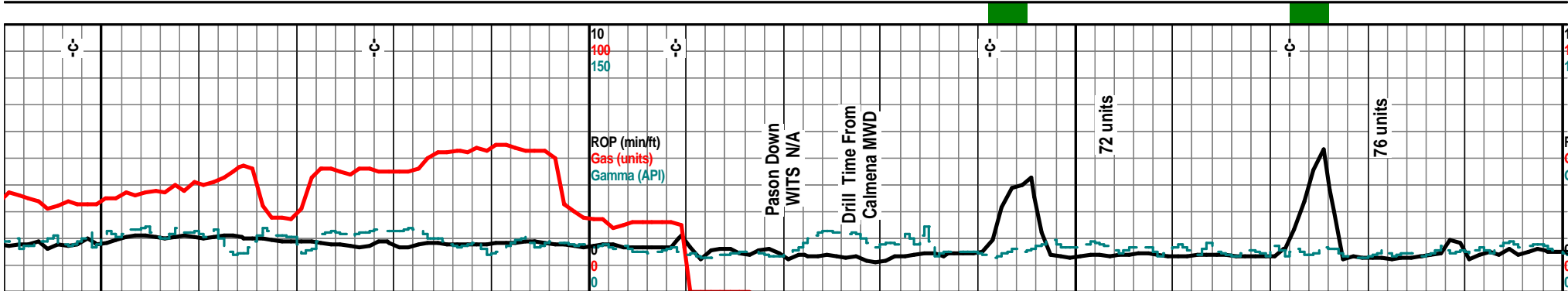
chrt lt gry off wht lt smokey with tan drk brn mott weath sli trip gran edges, pp moldic por, tan brn drk brn hvy stain, dolo off wht lt gry green f vf xln blkly ang sub chlky tr glau, pp interxln por tan brn stain, drk brn stain

dolo off wht lt gry gr sub chlky tr glau, so stain, chrt off wht lt gry ang blkly pcs, with sl tan brn some blk sta

4710

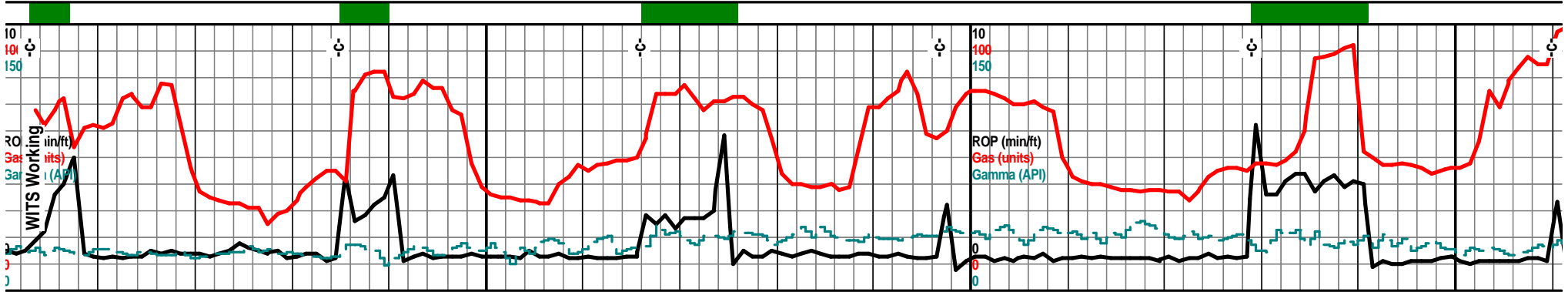


480	5500	5520	5540	5560	5580	5600	5620	56
	4610 TVD					4610 TVD		
	dolo wht off wht lt gry green, f vf xln gritty sndy text, glau, pp inter xln por, drk tan brn stain, chrt in prt w/lt gry lt smokey gry shrp sli weath chrt inclu, chrt off wht lt gry shrp frsh opa, semi transl, some transp, sli gran sli trip weath edges, tan brn blk stain, odor? tr gas bubs, dull scatt UV			dolo crm tan brn mott, f vf xln gran blk ang soft sub chiky, pp inter xln por, tan brn stain, gas bubs, chrt off wht lt gry lt smokey gry with dolo aa edges, tan brn stain, drk hvy stain, gas bubs, scatt dull UV,			dolo wht off wht lt green/gry f vf xln gr sndy, tr glau, chrt, dolo aa with chrt, c gry shrp frsh opa semi transl, mstly tr weath gran sli trip text edges, pp moldi brn stain, tr hvy brn/blk stain, sli odor, bubs/brkn dull scatt UV	
	4657'	4657'	4657'	4657'	4657'	4657'	4657'	
	90.0 deg @ 180.6 az	90.3 deg @ 180.6 az	90.3 deg @ 180.6 az	90.3 deg @ 180.6 az	90.3 deg @ 180.6 az	90.5 deg @ 181.0 az	90.5 deg @ 181.0 az	
reen f vf xln dns blk agran me pp inter xln por, tr drk gry some transp, opa shrp li weath gran sli trip edges, in, tr gas bubs, scatt dull UV		incr chrt wht off wht lt gry with tan brn mott weath gran sli trip edges, tan brn stain, gas bubs, drk brn SFO/brkn, scatt UV, dolo off wht lt gry/green f vf xln gran sndy gritty text, chrt in prt, dolo aa with sli weath chrt inclu, sho/stain along chrt dolo contact, odor in all?				chrt off wht lt gry lt smokey gry shrp frsh opa semi transp in some, with tan brn stained sli weath gran sli trip edges, pp moldic por, tan brn staine, fillmy SFO, sli odor, dolo crm off wht lt gry, greenish, f xln gran sndy text, with chrt aa inclu, show/stain along dolo/ chrt contact, sli odor, brn hvy stain, scatt dull UV		
	4710					4710		



40 5660 5680 5700 5720 5740 5760 5780 5800

			4610 TVD		5730' 6 am Saturday June 22, 2013			
an girty off wht lt ransp, with ic por, tan gas		dolo off wht lt crm, lt greenish tint, f vf xln gran soft sub chiky, gritty sndy text, glau, tan brn stained mott in prt, pp inter xln por, chrt inclu, lt gry to clr transp with sli weath sli trip text, pp moldic por, tan brn some drk blk hvy stain, tr gas bubs, dull scat UV			chrt lt gry lt smokey gry and tan brn mott, shrp frsh gry with tan brn stained sli weath, sli trip text edges, pp moldic por, drk SFO, gas bubs, dolo crm lt gry/green f vf xln sndy gritty text tan brn stain, chrt with chrt aa inclu			chrt lt opaq tan brn moldic dolo chrt SFO
			4656'		4655'			4655'
			91.10 deg @ 180.80 az		90.0 deg @ 180.6 az			90.0 deg @ 180.8 az
	5660' not retrieved				chrt lt gry vry lt smokey gry, shrp frsh opa, semit transl, mstly transp, bhk blkly and shrds, dolo and chrt dolo, off wht lt gry/green f vf xln gran blkly ang some sndy gritty pcs, pp moldic por, tan brn stain hvy SFO, sli odor, gas bubs			chrt off wht lt gry, 1st smokey gry with tan brn stained sli weath sli trip text edges/sides, pp moldic por, pp por, tan brn stain, tr hvy blk stain, gas bubs, chrt dolo, off wht lt gry/green f vf xln with chrt inclu aa, stain drk stain
					Mud-Co. 5729' wt. 8.4 vis. 27 wl/N/C chl. 1,100			
			4710					



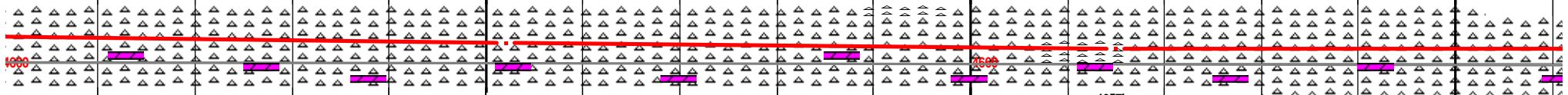
10 100 150 10 100 150

ROP (min/ft) Gas (units) Gamma (API)

t gry, lt smokey gry, some off wht, shrp frsh, semi transl, some transp, biky ang pcs, with rn stained weath sli trip gran text edges, pp ic por, tan brn stain, VSSF0/brkn, gas bubs, crm lt gry green f vf xln gran gritty sndy text, with chrt inclu aa, tan brn stain, tr hvy grsy

chrt off wht lt gry lt smokey gry, shrp frsh opa, semi transl, some transp, with tan brn stained sli gran weath sli trip edge text, pp moldic por, drk brn SFO/brkn, tr gas bubs, chrt dolo off wh lt gry green vf xln gran gritty sndy chrt inclu aa, sli odor??

chrt off wht lt gry lt smokey gry, shrp frsh opa, with tan brn stained sli weath sli trip text edges, tan brn stain, drk SFO on brk, dolo tan brn mott f v fxin gran sndy gritty, chrt with tan brn stained weath chrt inclu, tan brn stain, dolo off wh lt gry/greenish, f vf xln gran gritty sndy tr glau, chert inclu NS



4656'  
88.3 deg @  
181.0 az

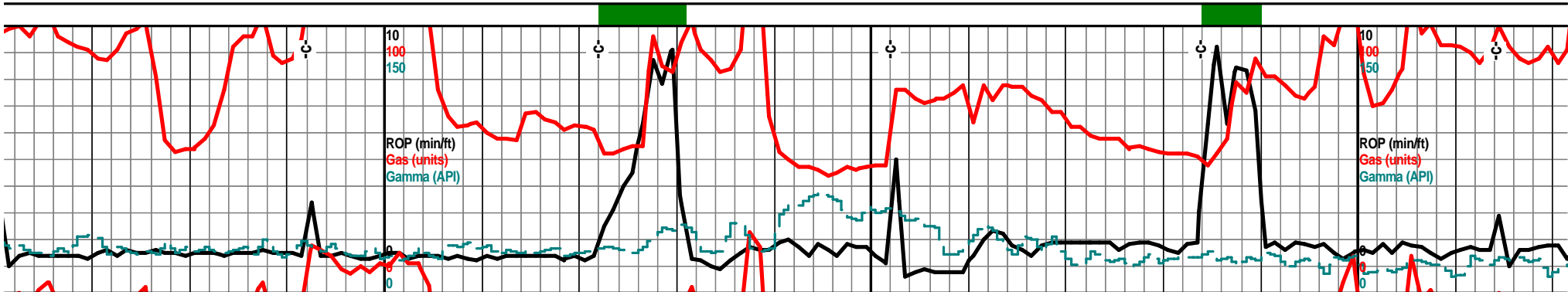
4657'  
89.9 deg @  
180.8 az

chrt off wht lt gry lt smokey gry shrp frsh with tan brn mott stained weath sli trip text edges, tan brn stain, SFO on brk, gas bubs, sli odor, some dolo off wh lt gry green, vf xln gran sndy gritty, chrt with chrt inclu aa, chrt dolo, spls more chrt less dolo!

chrt off wht lt gry shrp frsh opa semi transl, some tansp, shrp opa shrds, with tan brn colored gran sli weath sli trip text edges, tan brn stain drk brn SFO when brkn, gas bubs dull scatt UV, dolo, chrt dolo as before,

chrt off wht lt gry lt gr semi transl some trans dolomitic edge, tan br tr filmy SFO on spl w chrt, f xln gran sndy chrt inclu, tan brn stai

4710 4710



0 5980 6000 6020 6040 6060 6080 6100 6120

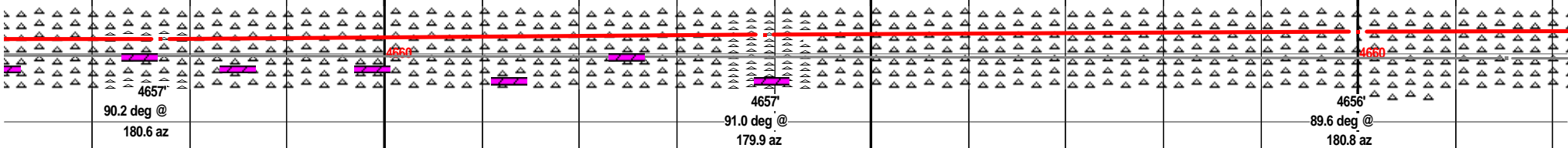
4610 TVD

chrt off wht lt gry lt smokey gry, shrp frsh opa, semi transl, some transp, with weath gran sli trip text, dolo edges, pp moldic por, tan brn stained, drk SFO, gas bubs, chrt dolo off wht f vf xln chrt sli glau with sli weath sli trip chrt inclu, stain, tan brn SFO, gas bubs dull scatt UV

big incr chrt lt gry lt smokey gry, shrp frsh opa, semi transl, mstly transp, shrp blk ang shrds, with some with sli weath gran trip text edge, tr stain, tan brn drkr stain, pp moldic por, tr gas bubs/brkn, dolo off wht lt gry green f vf xln blk ang dns sub chiky chrt with chrt inclu aa

4610 TVD

chrt off wht lt gry dull gry/tan shrp frsh transl, mstly transp, blk ang shrp shrd stain, nodor, NSFO, dull scatt UV



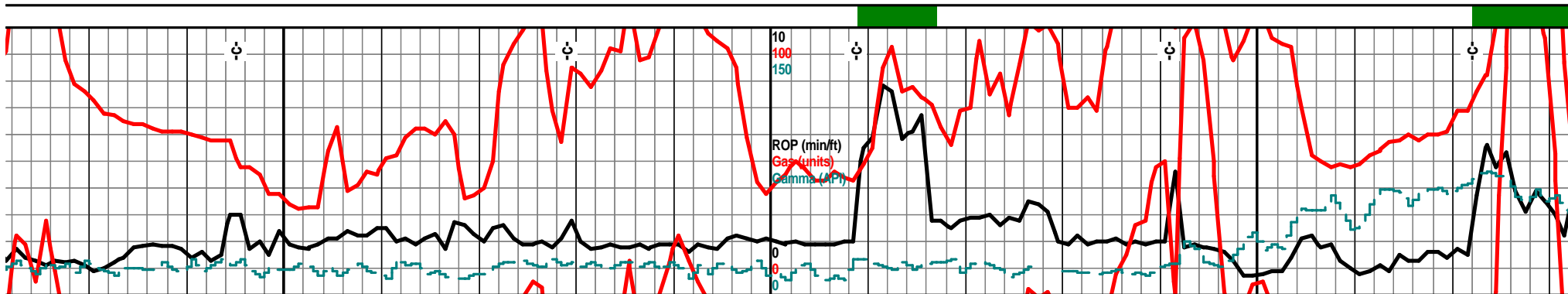
y smokey shrp frsh opa, sp, with weath gran sli trip n stain, drk SFO, gas bubs, iter, dolo off wht lt gry green text, with weath sli trip text in, brn SFO, sli odor

dolo wht off wht lt gry, green/gry f vf xln gran gritty sndy, tr glau, chrt, chrt off wht lt gry lt smokey gry shrp frsh, shrp opa, semi transl, dolomitic edges, tan brn stain, drk hvy stain, sli odor, gas bubs, brn SFO on brk.

chrt lt gry lt smokey gry, shrp frsh ang blk shrds, semi transl, mstly transp, vit, with sli weath, gran sli trip text edges, some pp moldic por, tan brn edge stain, tr gas bubs, scatt dull UV, 85% frsh-no show

4710

4710



6140 6160 6180 6200 6220 6240 6260 6280

6 am 6145' Bit Trip  
Sunday, June 23, 2013

4610 TVD

opaq semi ls, tr edge

chrt off wht lt gry shrp frsh, blkly ang shrds, semi transl, mstly transp, with tr sli weath, gran vry sli trip text, pp moldic, some vis frac por, nodor, scatt dull UV

chrt off wht lt gry smokey gry, shrp frsh opaq semi transl, some transp, blkly ang shrds, with weath sli trip, some gran text, pp moldic por, tan brn stain along edge, w/chrtly lst drk tan brn mott (fizz w/acid) f xln sub chlky with gry/smokey gry shrp chrt inclu with sli gran, sli weath chrt inclu AA

chrt lt shrds, weath SFO, t



4656'  
90.8 deg @  
182.5 az

4655'  
91.1 deg @  
182.7 az

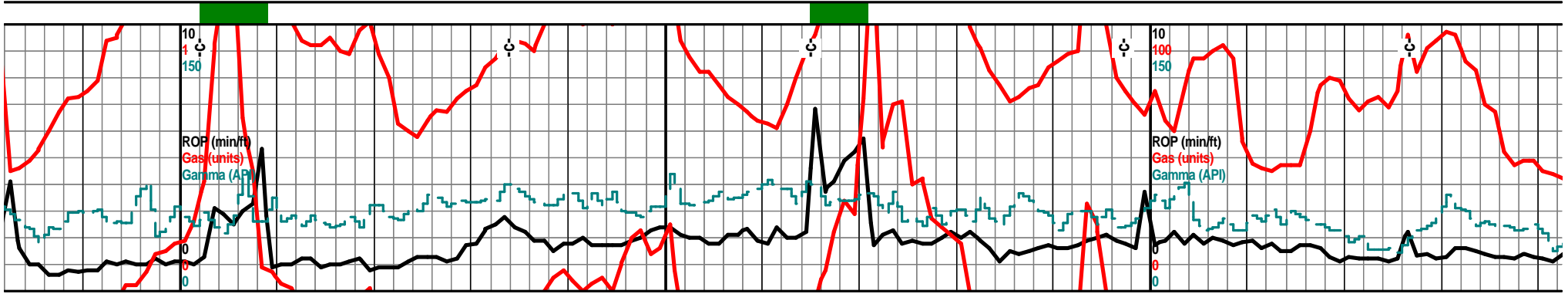
4660

chrt off wht lt gry milky gry, shrp frsh opaq, semi transl, mstly transp, shrp blkly ang shrds, tr weath gran edge, mstly frsh, tr edge stain dull scatt UV, some dolo wht off wht lt gry green f vf xln gran sndy text, tr glau, tr chrtly with lt gry frsh chrt inclu.

chrt off wht lt gry, lt smokey gry shrp frsh opaq, semi transl, mstly transp, with sli weath, gran sli trip text edge, pp moldic por, some vis frac por, tan brn stain along weath edge, pp moldic por, tr hvly brn stain, nodor, dull scatt UV

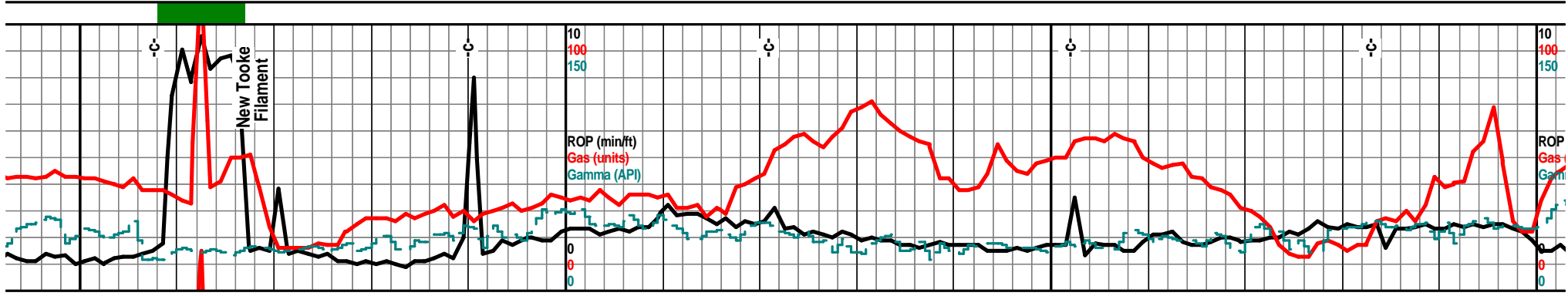
chrt off wht lt gry, lt smokey gry, shrp frsh blkly ang shrds, semi transl, some transp, dolo/1st tan brn mott (acid +) f xln sub chlky with lt gry smokey gry weath sli gran some sli trip text chrt inclu, pp moldic por, tan brn stain, VSSFO/brkn, tr gas bubs, nodor, dull scatt UV

4710



6300	6320	6340	6360	6380	6400	6420	6440
6300' 7 am Monday June 24, 2013						Mud-Co. 6401 <sup>9</sup> wt. 8.5 vis. 30 wl. N/C chl. 900	
gry vry lt smokey gry, off wht, shrp blkly ang semi transl, mstly all transp. with some sli trip edge text, drk brn stain, drk brn r gas bubs, dull UV, odor,		chrt off wht lt gry, lt smokey gry, shrp frsh opa, semi transl, mstly tranap, blkly ang shrps with sli weath edges, pp moldic por, drk tan, drk brn stain, gas bubs, dull UV				chrt lt gry lt smokey gry color, shrp frsh opa, blkly ang shrds, transl, mstly transp, chrt gry brn mott shrp frsh with weath sli trip text edges/sides, drk tan to drk brn stain, drk SFO w/brnkn, abun gas bubs, floating droplets	
4655' 89.4 deg @ 181.8 az		4655' 89.7 deg @ 182.0 az				4656' 88.9 deg @ 180.1 az	
chrt off wht lt gry, milky, lt smokey color, shrp frsh blkly ang shrds, semi transl, mstly transp, with drk tan brn some blk stained sli weath edges, pp moldic por, brn drk brn stain, gas bubs, floating droplets, filmy SFO, fair odor, dull scatt UV		chrt off wht lt gry, smoke color gry, shrp frsh blkly opa ang shrds, semi transl, some to mstly transp, with si weath sli trip text edges, pp moldic por, drk tan brn stain, drk SFO, odor, dull UV				chrt gry, smokey gry, shrp transp, blkly ang shrds and frsh with weath sli trip text stain, drk brn SFO, odor, j bubs, "floaters"	
4710		4710				4710	





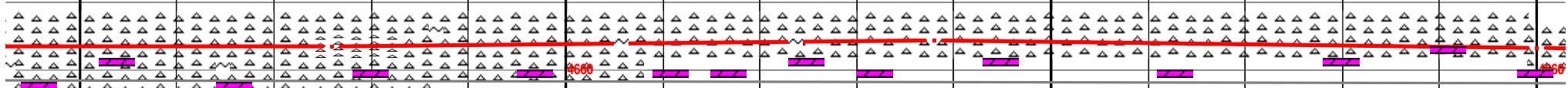
6460 6480 6500 6520 6540 6560 6580 6600

4610 TVD 4610

chrt lt gry off wht milky/smokey color, shrp frsh semi transl, mstly transp, shrp blkly opaqr shrds, some brn drk brn stained sli trip text weath edges, pp moldic por, drk brn stain, VSS drk brn oil, nodor, dull scatt UV, incr chrt dolo, off wht lt green tint f vf xln dns hrd chrty glau

dolo crm off wht lt greenish, f vf xln dns hrd blkly, ang pcs, glau, chrty in prt, dolo chrt, chrt lt smokey gry shrp frsh opaqr shrds, semi transl, alot transp, with sli tr tan drk brn some blk stained weath sli trip text edges, pp moldic por, spls mstly dolo aa

dolo, chrty dolo, wht off wht f vf xln, snd text, tr glau, pp inter xln por, tan brn stain SFO, floaters, chrt lt gry shrp frsh opaqr, transl, mstly shrp frsh transp,



4656'  
91.0 deg @  
180.8 az

4655'  
90.8 deg @  
181.5 az

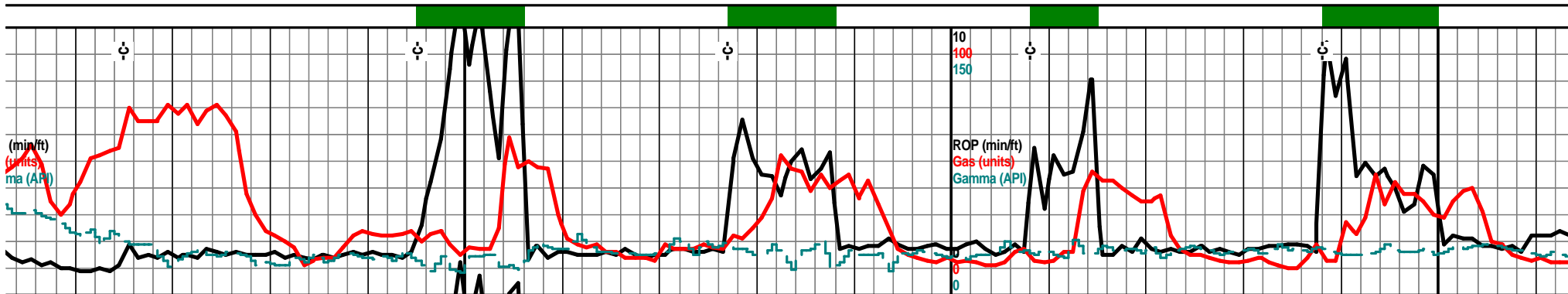
4656'  
87.3 deg @  
181.5 az

frsh opaqr semi transl, d chrt gry brn mott, shrp t edges/sides, drk brn pp moldic por, gas

chrt off wht lt gry, milky/smokey gry, shrp frsy semi transl, mstly transp, blkly ang shrp shrds, some with drk brn staind sli weath vsli trip text edges, tan brn stain tr gas bubs, chrty dolo crm lt green tint, f vf xln blkly ang hrd dns pcs, glau, chrt inclusiona NS

dolo crm tan off wht with tan lt brn mott in prt, f vf xln gran sndy gritty tr glau, pp inter xln por, tan lt brn stain, SSFO/brkn, chrt lt smokey gry, shrp frsh opaqr, transp, shrp blkly ang shrds NC in Chrt

4710 4710



6620 6640 6660 6680 6700 6720 6740 6760

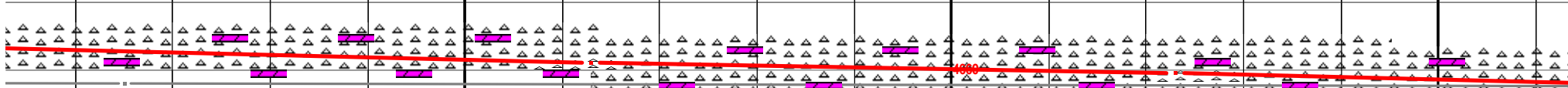
TVD 4610 TVD 6760' 7 am Tues June 25, 201:

y gritty n, filmy semi

dolo chrt dolo, tan drk brn f sli med xln gran blkly ang pcs, pp inter xln por, tn brn stain, drk brn SFO, filmy SFO/brkn, gas bubs, gd even UV, sli odor, chrt lt gry shrp frsh opa transp, shrp blkly ang shrds, tr drk brn weath edge, spl 90% chrtly dolo

chrt lt gry off wht and wht, shrp frsh opa, semi transl, some transp, shrp blkly ang shrds, tr weath text with drk brn stain, dolo, chrtly dolo f sli med xln with drk tan mstly brn/drkn crm mott color, pp & inter xln por, drk tan to brn stain, drk SFO on brk, tr gas bubs, scatt dull UV,

chrt off wt opa trans off wht m por, drk ta dull scatt tr glau, int brk tr gas



4658' 88.7 deg @ 182.0 az

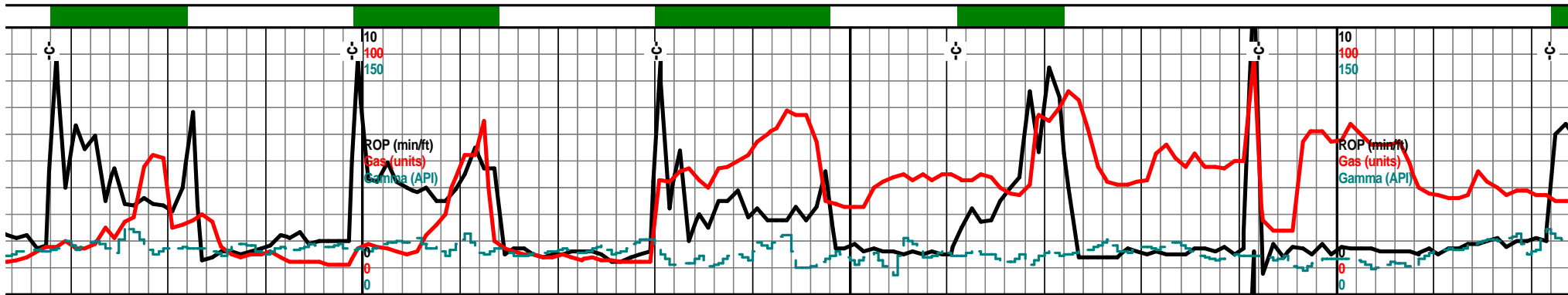
4660' 88.3 deg @ 181.7 az

chrt lt med gry, smokey gry, shrp frsh opa with tan brn weath sli dolo sli trip text edges, tan brn stained edges, pp moldic por, drk SFO, sli odor, dull scatt UV, dolo off wht lt gry greenish, f vf xln gran sndy gritty chrtly with chrt inclu

chrt wht, off wht, lt smokey gry, shrp frsh opa, transl, some transp, blkly ang shrp shrds, dolo and chrtly dolo, tan brn drk brn mott, f sli med xln, gran, blkly ang pcs, pp inter xln por, drk tan/brn stain, drk SFO on brk, gas bubs

chrt sli blue/gry, some smokey gry frsh shrp opa with drk tan brn off wht mott f sli med xln dolo, pp moldic por, inter xln por, gran, tr glau, gd drk tan brn stain, drk brn SFO on brk, filmy SFO on brk, odor fair scatt dull UV

4710



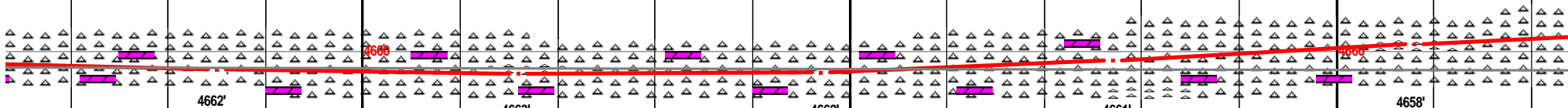
6780 6800 6820 6840 6860 6880 6900 6920

Day 3  
 4610 TVD  
 Bit Trip 6830'  
 4610 TVD  
 6920' 6 am Wednesday June 26, 201

chrt lt blue/gry, some smokey, shrp frsh sl, some transp, some with drk tan brn mott f xln dolo edge, pp moldic inter xln m brn stain, drk SFO on brk, gas bubs, UV, dolo drk tan brn f vf xln gran, gritty ter xln por, drk tan brn stain, drk SFO on bubs dull UV

chrt off with lt gry smokey, tr blue gry shrp frsh opa, with tan drk brn wht mott f xln dolo edge, pp molic, inter xln por, mstly tite dns, drk SFO on brk, tan drk tan brn stain odor? scatt dull UV, dolo tn brn gry brn f vf xln blk ang dns gran tan drk brn stain,

chrt lt gry, lt milky smoke color, blue gry shrp frsh opa, some transp, with drk tan brn wht mott f xln dolo edge, pp moldic por, drk tan brn stain, drk SFO, filmy SFO, gas bubs odor,



4662'  
87.9 deg @  
181.7 az

4663'  
89.2 deg @  
181.5 az

4662'  
92.1 deg @  
181.5 az

4661'  
94.3 deg @  
182.0 az

4658'  
94.3 deg @  
182.2 az

chrt off wht lt gry shrp frsh opa semi transl, some transp, with drk crm tan brn mott weath dolo edges, tan brn stain, pp moldic por, inter xln por, tan drk brn stain, odor, drk brn SFO on brk, scatt dull UV,

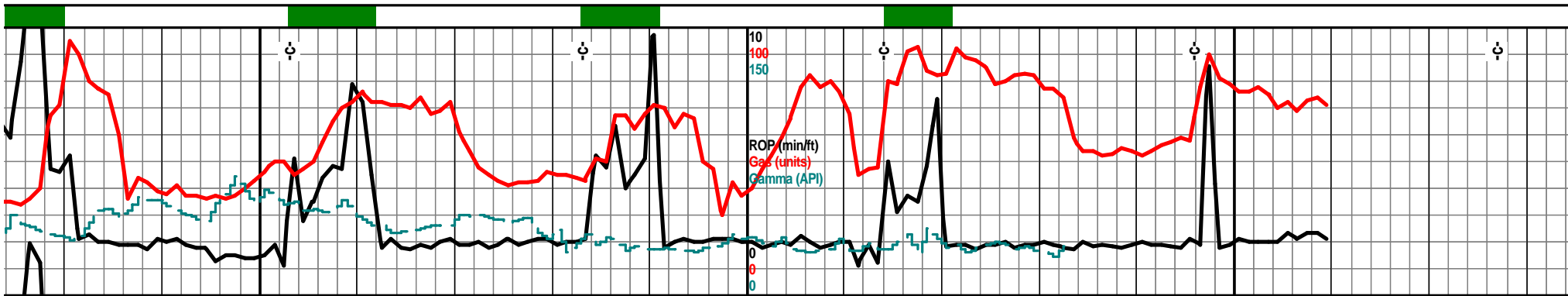
chrt off wht lt gry smokey color, shrp frsh opa, with tan drk tan brn off wht mott f xln edge, pp moldic por, inter xln por, dns tite, drk brn stain, filmy SFO, floating droplets, scat dull UV, odor,

chrt off wht lt gry shrp frsh blk ang shrds, semi transl, mstly all transp, some with drk tan brn f v xln dolo edge, pp moldic por, brn stain, scatt UV dolo lt gry green vf xln dns hrd pyritic, blk sub chiky pcs, glau in most

Mud-Co. 6830'  
wt. 8.5 vis. 30  
wl. N/C chl. 950

4710

4710



6940

6960

6980

7000

7020

7040

7060

7080

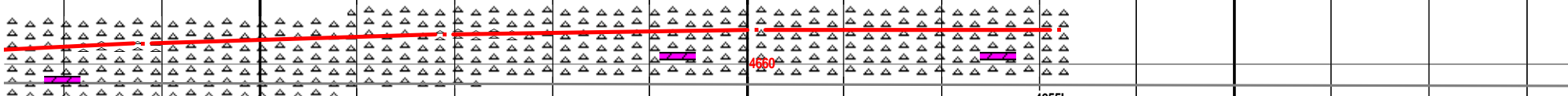
4610 TVD

3

chrt off wht lt gry vry lt milky/smokey gry, shrp frsh opa, semi transl, mstly transp, blk ang shrds, tr with tan drk brn gran dolo edge, tan brn stain, grsy hvy SFO, dolo lt gry green, f vf xln dns hrd blk sub chlky glau, mixed bag spl, has everything

chrt off whltt gry lt milky smokey gry, shrp frsh opa, semi transl, mstly transp, blk ang shrp shrds, tr weath gran tan drk brn stained dolo edges, pp moldic por, por, tan brn stain, tr hvy blk stain SSFO, tr gas bubs, filmy SFO, nodor

chrt off wht lt gry lt smokey color, shrp frsh blk ang shrds, semi transl, mstly transp, chrt wht tan brn mott gran sli weath text, tan brn stained, pp moldic por, nodor, scatt UV, dolo gry mstly green f vf xln dns hrd gran gritty, glau with chrt inclu aa



4630

4656'  
93.2 deg @  
181.3 az

4655'  
91.8 deg @  
181.3 az

4654'  
90.6 deg @  
181.0 az

4655'  
88.8 deg @  
180.8 az

i  
r  
l,

chrt off wht lt gry, lt milky smokey gry, shrp frsh opa, semi transl, mstly transp, blk ang shrp shrds, tr with weath gran tan drk brn stained dolo edges, pp moldic por, tan brn stain tr hvy blk SFO, tr gas bub dull scatt UV nodor

chrt lt gry lst smokey gry shrp frsh opa, semi transl, mstly transp, blk ang shrp shrds, with sli weath gran sli trip text tan brn mott edges, pp moldic por, drk tan brn stain, filmy SFO on brk, sli odor?, dull scatt UV

Mud-Co. 6990'  
wt. 8.5 vis. 31  
wl. N/C chl. 900

4710

