



Woolsey Operating Company, LLC

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

Measured Depth Log

Well Name: Pinkney #1

API: 15-097-21830-0000

Location: Section 34 - Township 27 South - Range 20 West

License Number: Region: Kiowa County, Kansas

Spud Date: November 6, 2017 Drilling Completed: November 16, 2017

Surface Coordinates: N 1/2 NW SW SE
1000' FSL & 2310' FEL

Bottom Hole
Coordinates:

Ground Elevation (ft): 2285' K.B. Elevation (ft): 2297'

Logged Interval (ft): 4060' To: TD Total Depth (ft): 5100'

Formation: Topeka >> Mississippian

Type of Drilling Fluid: Chemical Mud

Printed by MUD.LOG 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: Bill Klaver, Joel Gearhart

Company: Woolsey Operating Co. LLC

Address: 125 N. Market, Wichita Kansas, 67202

COMMENTS

Surface Casing: Set 8 joints 8 5/8" x 24#/ft new surface casing at 334' KB (tally 322") w/170 sx 60/40 poz, 2% gel, 3% cc, 1/4# celoflake. Cement did circulate. Plug down 7 pm on 11/6/2017.

Production Casing:

Deviation Surveys: 1/4 at 335', 1/4 at 875', 3/4 at 1381', 1/4 at 1651', 1/2 at 2165', 1 at 2666', 3/4 at 3137', 1/4 at 3639', 1/4 at 4171', 3/4 at 4888', 1 at 5100'

Pipe Strap @

Fossil Drilling Rig 3 Bit Record:

- 1) 12 1/4" RR in at 0' out at 335', 3.5 hrs
- 2) 7 7/8" Varel V516 PX (PDC) in 335', out 4888', 120.75 hrs
- 3) 7 7/8" T60-5X in 4888', out 5100', 33 hrs

Gas Detector: Pason Gas Analyzer

Mud System: Mud-Co

DST: Trilobite Testing - Leal Cason

DSTs

- 1: Miss (4850-4888) 30-60-60-90, (1) WB, (2) WB, 20' GCM, [140-264], FP 22-32/32-35, HP 2525-2476
 2: Miss (48852-4906) 30-60-60-90, (1) FB, (2) FB, 62' M, [471-515], FP 47-34/80-51, HP 2572-2576

CREWS

Fossil Drilling Rig 3

Tool Pusher: Rick Barringer
 Daylight: Pablo Luna
 Evening: Gary Axtell
 Morning: Chris Slaats

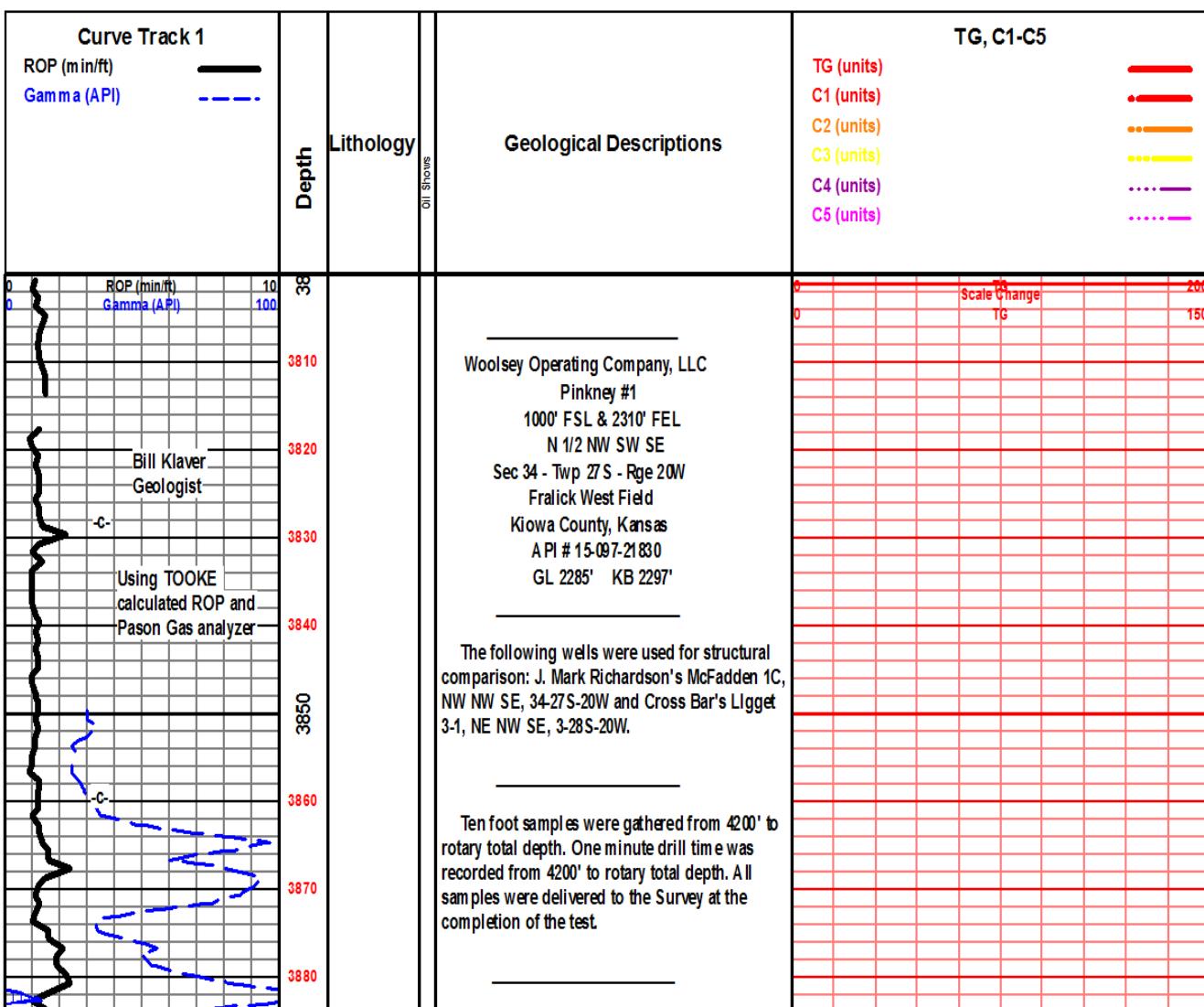
ROCK TYPES

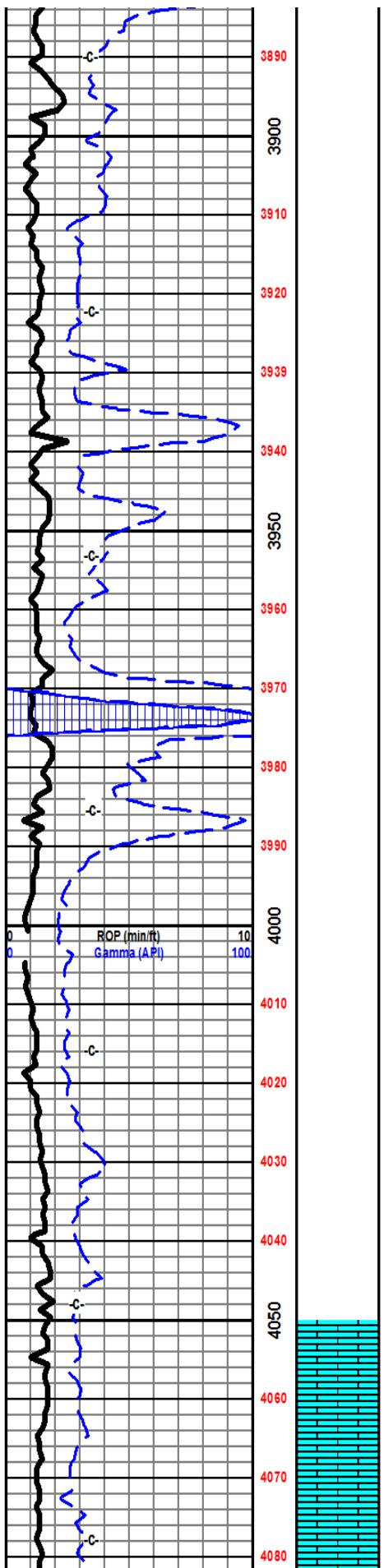
	Anhy		Shy dolo		Sltst		Shale 3
	Bent		Dol		Ss		Silty dol
	Brec		Gyp		Black sh		Dol lmst
	Cht		Sdy lmst		Gry sh		Dol 2
	Clyst		Lmst		Shale		Granite wash
	Coal		Mrst		Shysltst		Lmst
	Congl		Salt		Sltsh		Calc dol
	Sdy dolo		Shale		Ss 2		Shale 3

ACCESSORIES

MINERAL	FOSSIL	STRINGER	TEXTURE
<input checked="" type="checkbox"/> Anhy	<input checked="" type="checkbox"/> Chlorite	<input checked="" type="checkbox"/> Pelec	
<input type="checkbox"/> Arg	<input checked="" type="checkbox"/> Dol	<input checked="" type="checkbox"/> Pellet	
<input checked="" type="checkbox"/> Bent	<input checked="" type="checkbox"/> Sand	<input checked="" type="checkbox"/> Pisolite	
<input checked="" type="checkbox"/> Bit	<input checked="" type="checkbox"/> Slty	<input checked="" type="checkbox"/> Plant	
<input checked="" type="checkbox"/> Brecfrag	<input checked="" type="checkbox"/> Algae	<input checked="" type="checkbox"/> Strom	
<input checked="" type="checkbox"/> Calc	<input checked="" type="checkbox"/> Amph	<input checked="" type="checkbox"/> Fuss	
<input checked="" type="checkbox"/> Carb	<input checked="" type="checkbox"/> Belm	<input checked="" type="checkbox"/> Oomoldic	
<input checked="" type="checkbox"/> Chtdk	<input checked="" type="checkbox"/> Bioclst	<input checked="" type="checkbox"/> Anhy	
<input checked="" type="checkbox"/> Chtlt	<input checked="" type="checkbox"/> Drsch	<input checked="" type="checkbox"/> Ara	
<input checked="" type="checkbox"/> Dol			

DOL	BRYO	MUD	CYAN
Ferrpel	Bryozoa	Bent	Earthy
Ferr	Cephal	Coal	FinexIn
Glau	Coral	Dol	Grainst
Gyp	Crin	Gyp	Lithogr
Marl	Echin	Ls	MicroInl
Nodule	Fish	Mrst	Mudst
Phos	Foram	Sltstrg	Packst
Pyr	Fossil	Ssstrg	Wackest
Salt	Gastro	Carbsht	
Sandy	Oolite	Clystn	
Silt	Ostra	Dol	

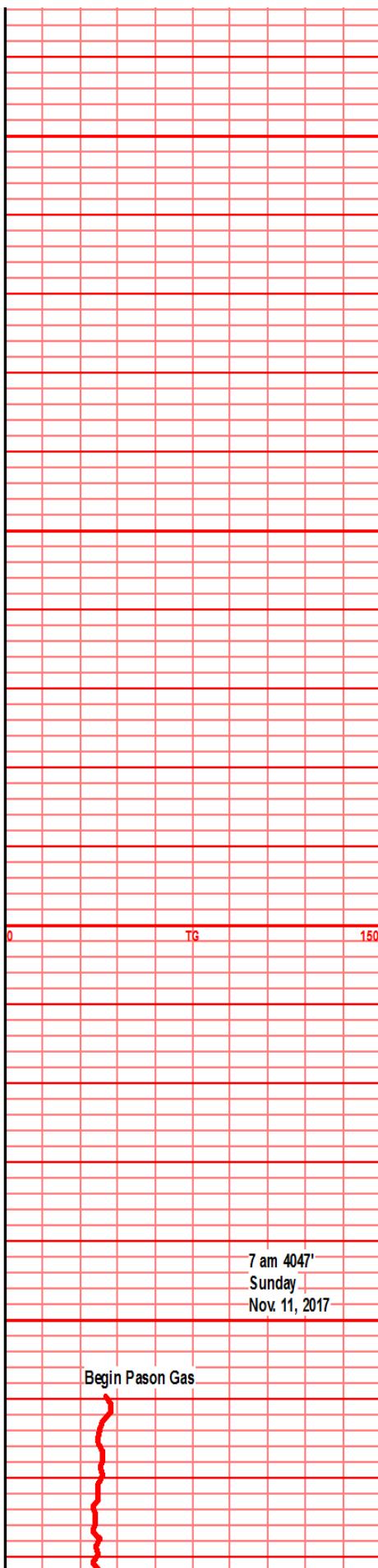


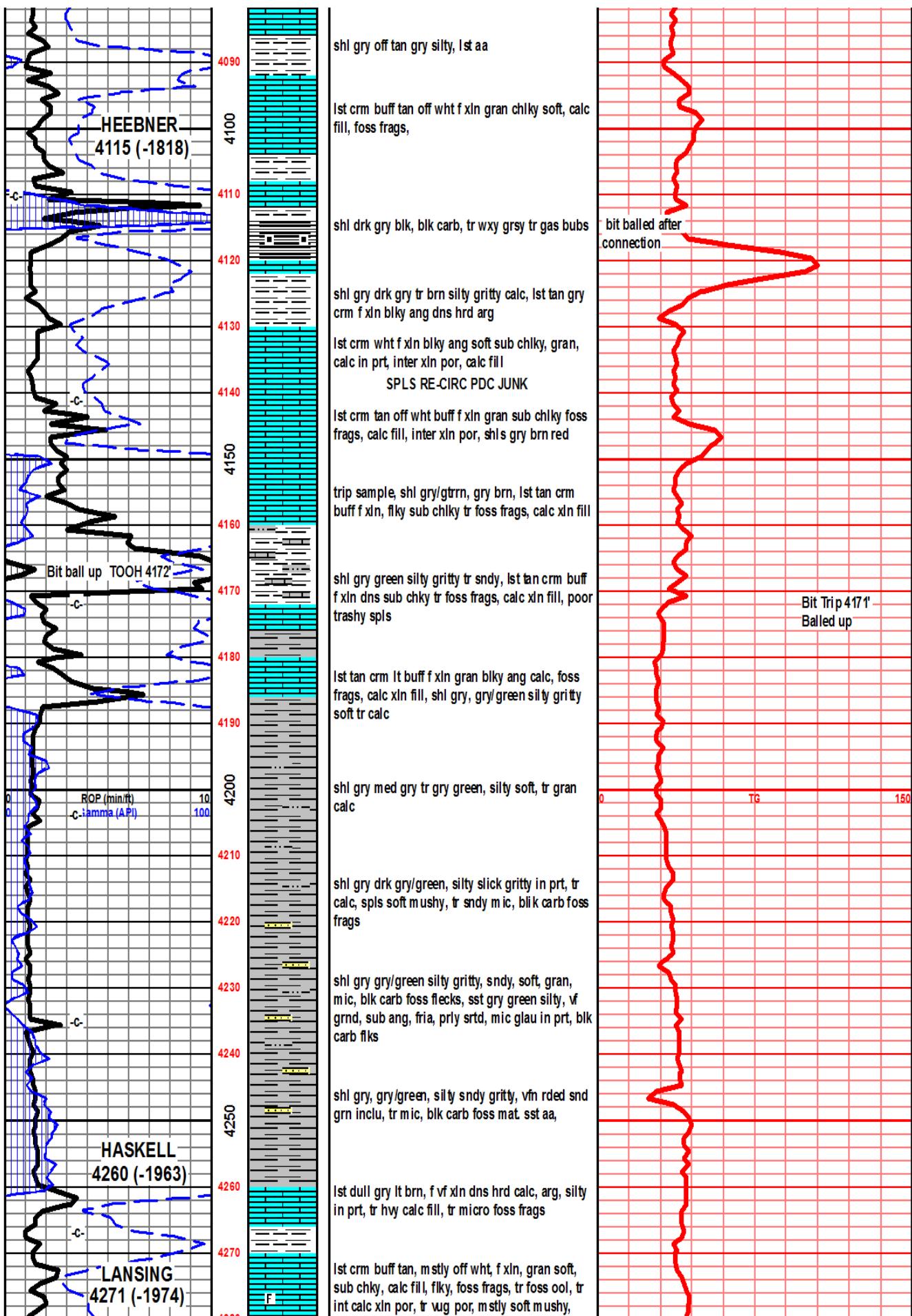


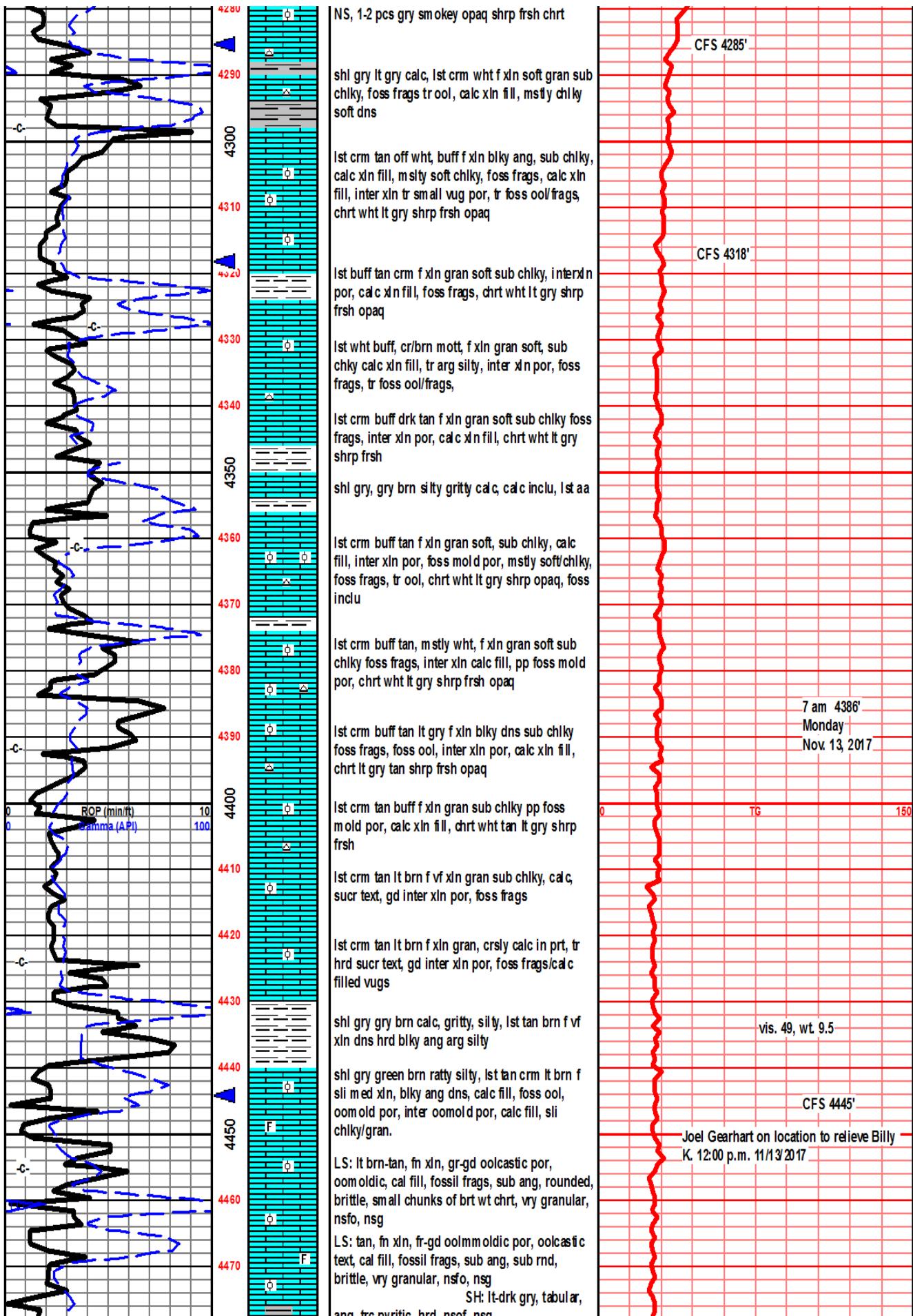
Daily Drilling Progress:

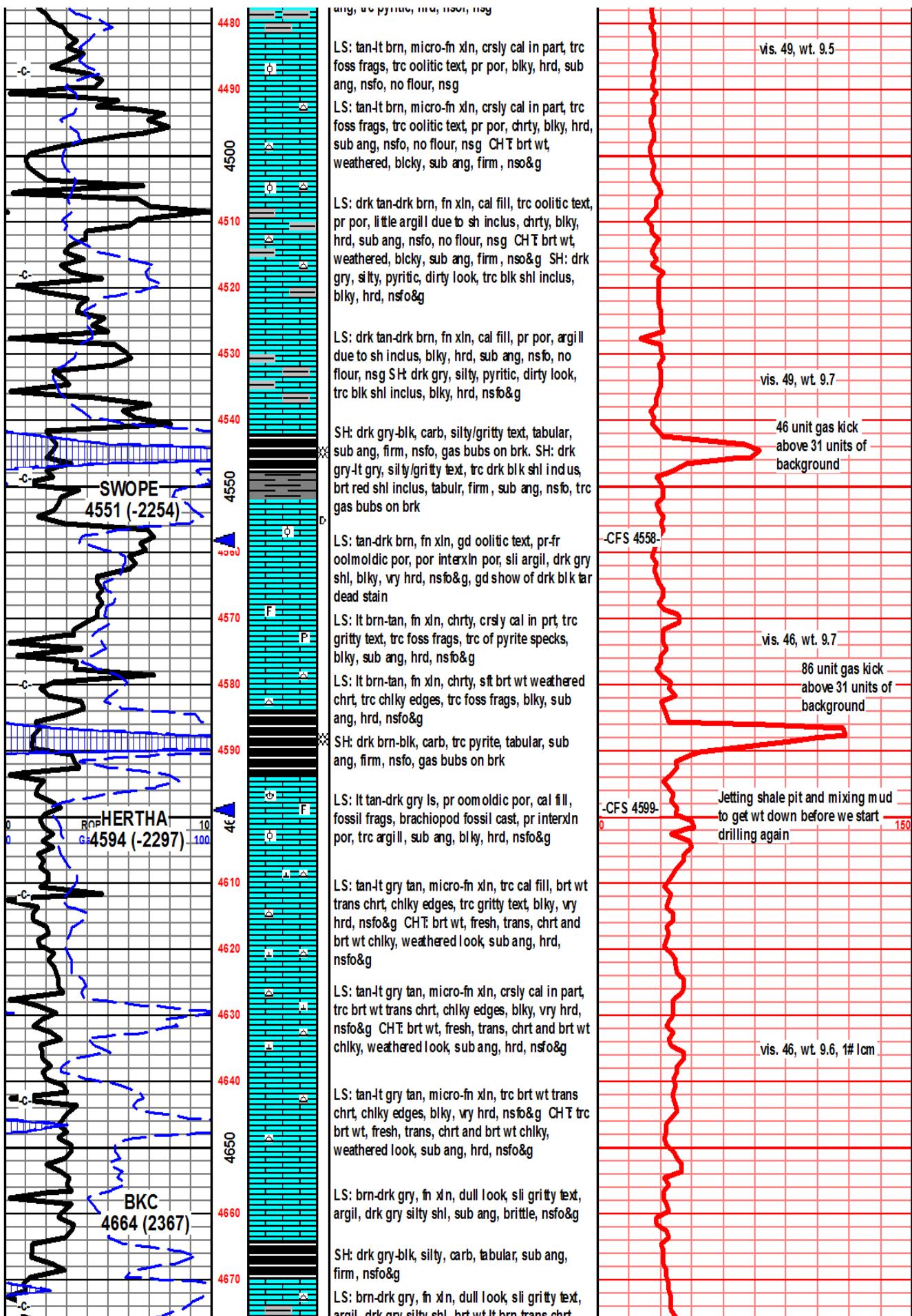
- November 3, 2017 MIRT
- November 6, 2017 Spud
- November 7, 2017 Under surface
- November 8, 2017 Drilling at 1475'
- November 9, 2017 Drilling at 2180'
- November 10, 2017 Drilling at 3026'
- November 11, 2017 Drilling at 3255'
- November 12, 2017 Drilling at 4047'
- November 13, 2017 Drilling at 4386'
- November 14, 2017 Drilling at 4769'
- November 15, 2017 HD: 4888', DST #1
- November 16, 2017 Drilling at 4921'

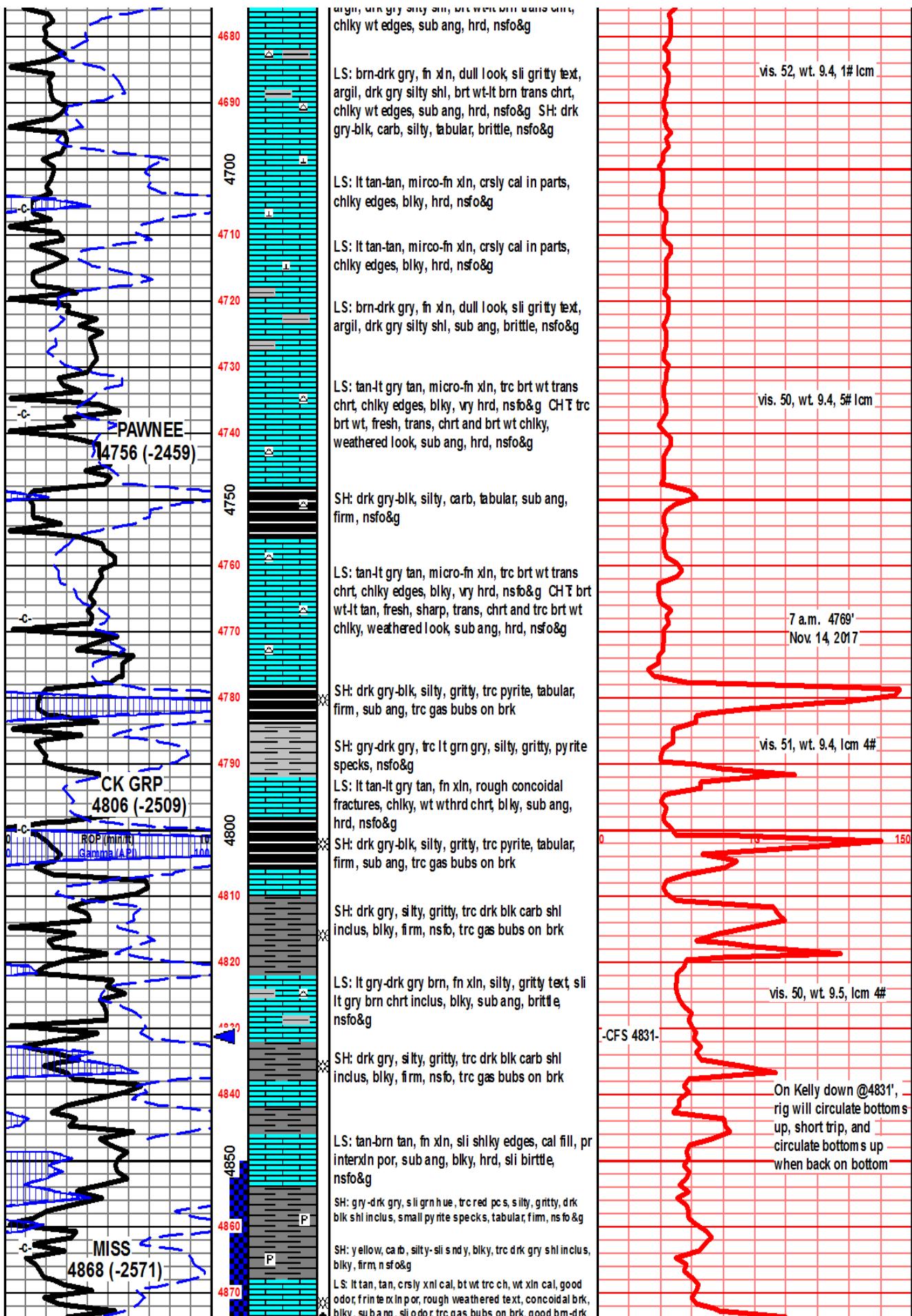
Formation	Sample	E-log
Heebner	4108 (-1811)	4111 (-1968)
Toronto	4130 (-1833)	4129 (-1834)
Douglas	4154 (-1857)	4150 (-1855)
Haskell	4260 (-1963)	4263 (-1968)
Lans A	4271 (-1974)	4274 (-1979)
Lans B	4298 (-2001)	4301 (-2006)
Stark	4542 (-2245)	4545 (-2250)
Swope	4551 (2254)	4558 (-2263)
Hush	4586 (-2289)	4589 (-2294)
Hertha	4594 (-2297)	4600 (-2305)
BKC	4664 (-2367)	4666 (-2371)
Pawnee	4756 (-2459)	4757 (-2462)
Ck Grp	4806 (-2509)	4806 (-2511)
Miss	4868 (-2571)	4871 (-2576)
Spergen	4868 (-2571)	4868 (-2571)
Warsaw	4876 (-2579)	4875 (-2580)

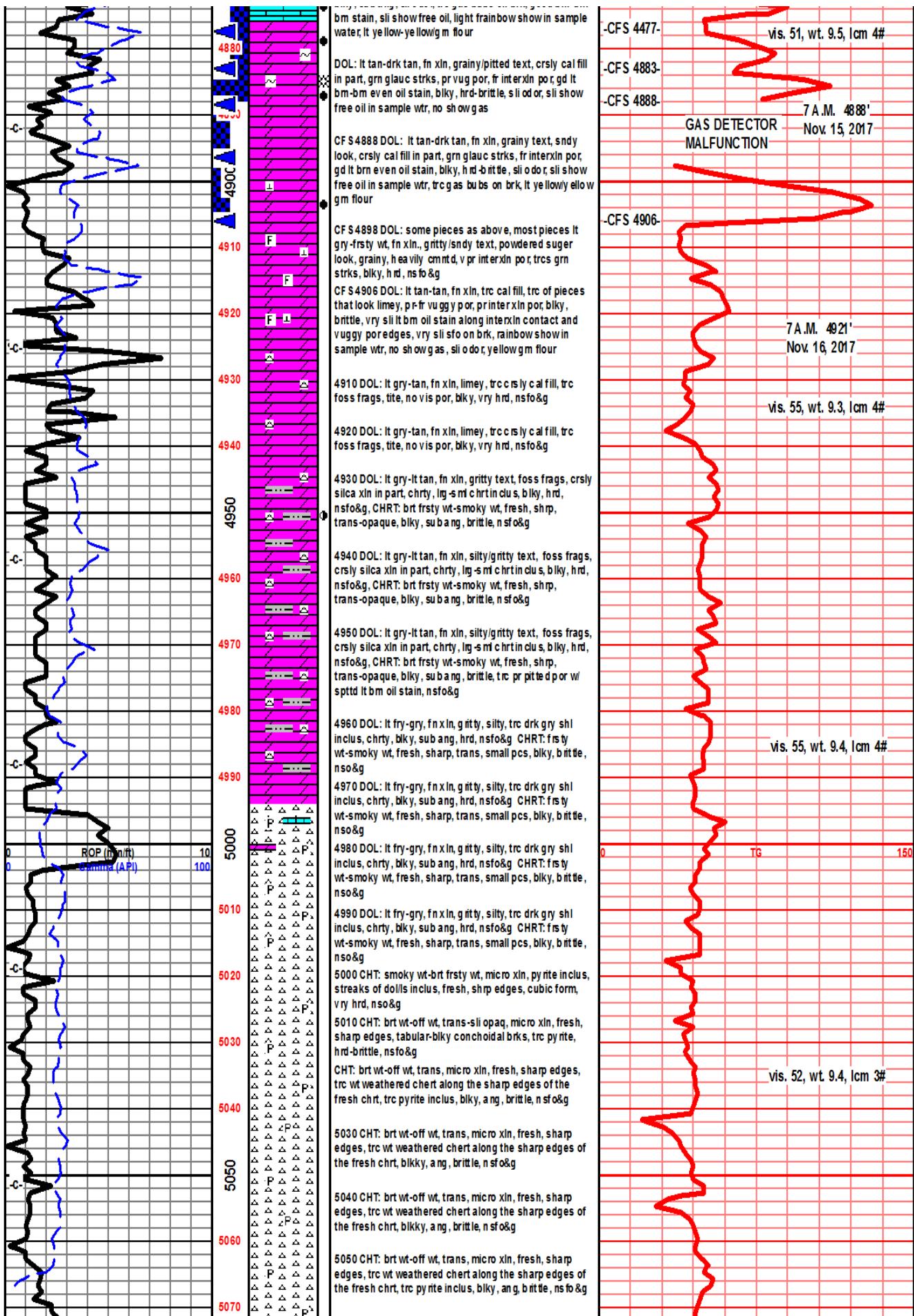


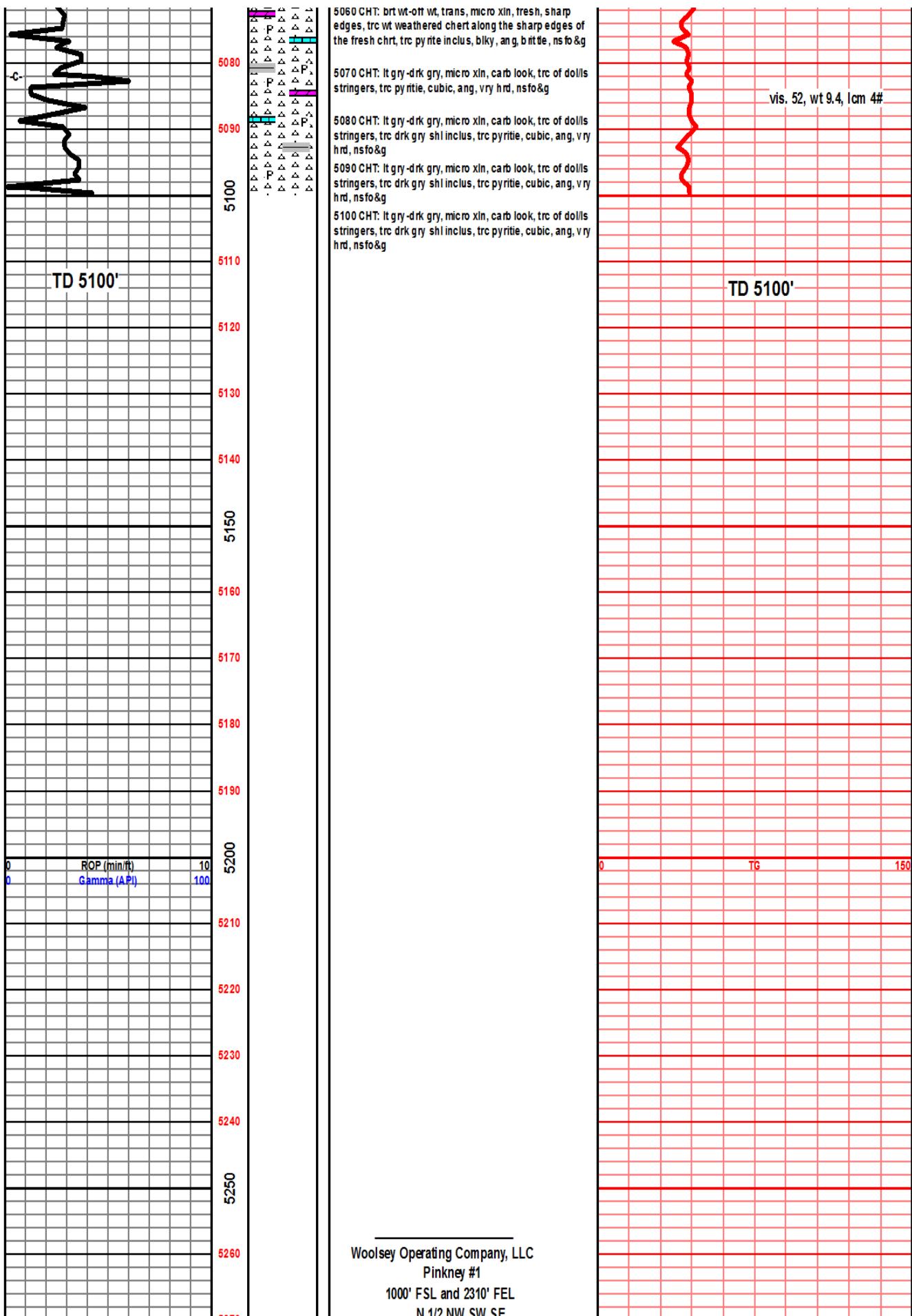


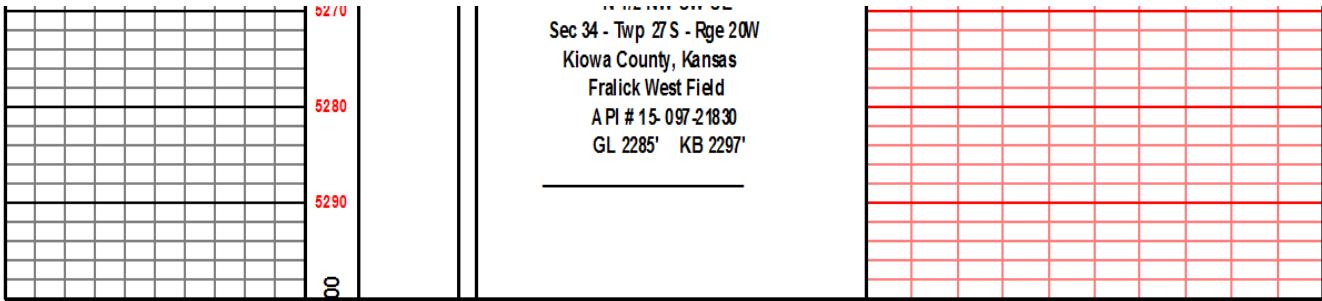












Sec 34 - Twp 27 S - Rge 20W
Kiowa County, Kansas
Fralick West Field
A PI # 15-097-21830
GL 2285' KB 2297'
