



COMPENSATED DENSITY NEUTRON LOG

Company Triple Crown Operating, LLC.

Well McJunkin #1-27

Field Barricklow

County Ness State Kansas

Location: API #: 15 135 25963

2513' FSL & 475' FWL

SEC 27 TWP 20S RGE 22W

Permanent Datum Ground Level Elevation 2171'
Log Measured From KB 5' AGL
Drilling Measured From KB

Other Services
DIL
BCS
Elevation
K.B. 2176'
D.F. 2175'
G.L. 2171'

Date 8-22-17

Run Number One

Depth Driller 4336'

Depth Logger 4338'

Bottom Logged Interval 4316'

Top Log Interval 3500'

Casing Driller 8 5/8" @ 1397'

Casing Logger 1397'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.15/6

pH / Fluid Loss 9.5/9.6

Source of Sample Pit

Rm @ Meas. Temp 1.9@84degf

Rmf @ Meas. Temp 1.425@84degf

Rmc @ Meas. Temp 2.28@84degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.33@120degf

Time Circulation Stopped 7:30 p.m.

Time Logger on Bottom 10:50 p.m.

Maximum Recorded Temperature 120degf

Equipment Number T-729

Location Hays, KS

Recorded By C. Patterson

Witnessed By Mr. Sean Deenihan

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

South out of Ness City on 283 to 20 Rd.,
Then East to Z Rd., South 1 mi. to 10 Rd., Then East 1 mi., North into location

Thanks for using Gemini Wireline LLC
785-625-1182



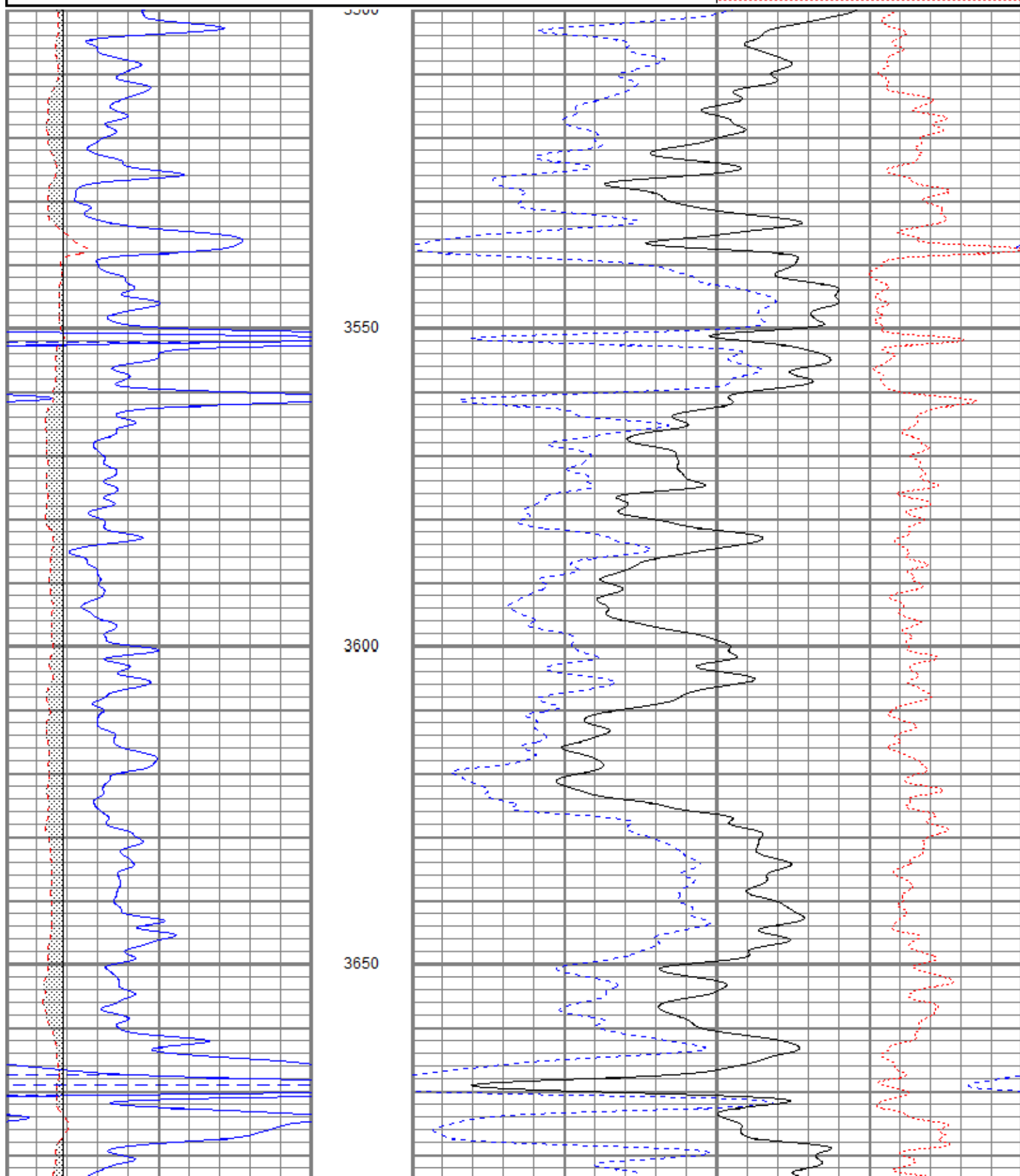
MAIN PASS

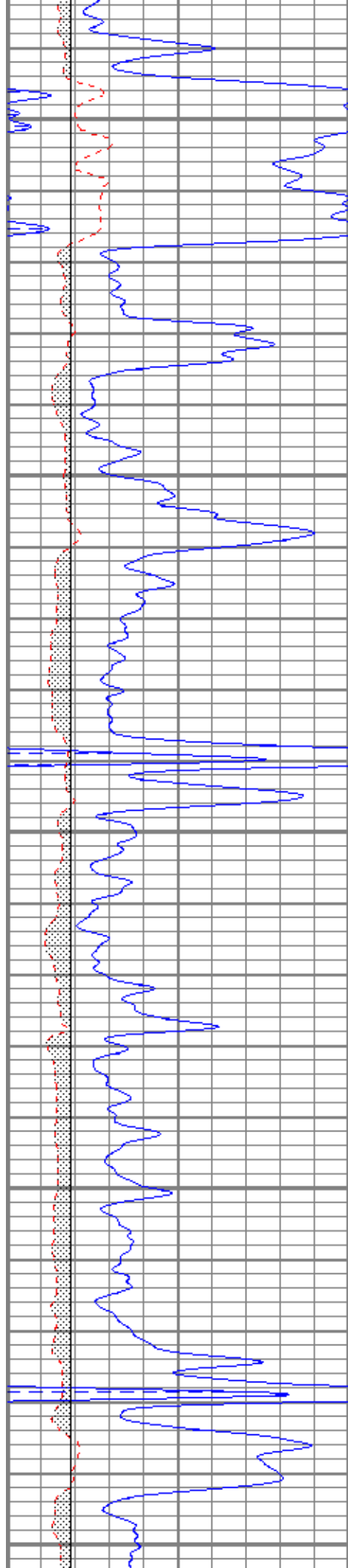
Database File tcmcjunkin#1-27oh.db
 Dataset Pathname pass2.1
 Presentation Format kcdnl
 Dataset Creation Wed Aug 23 03:15:49 2017
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

-0.25 RHOC (g/cc) 0.25





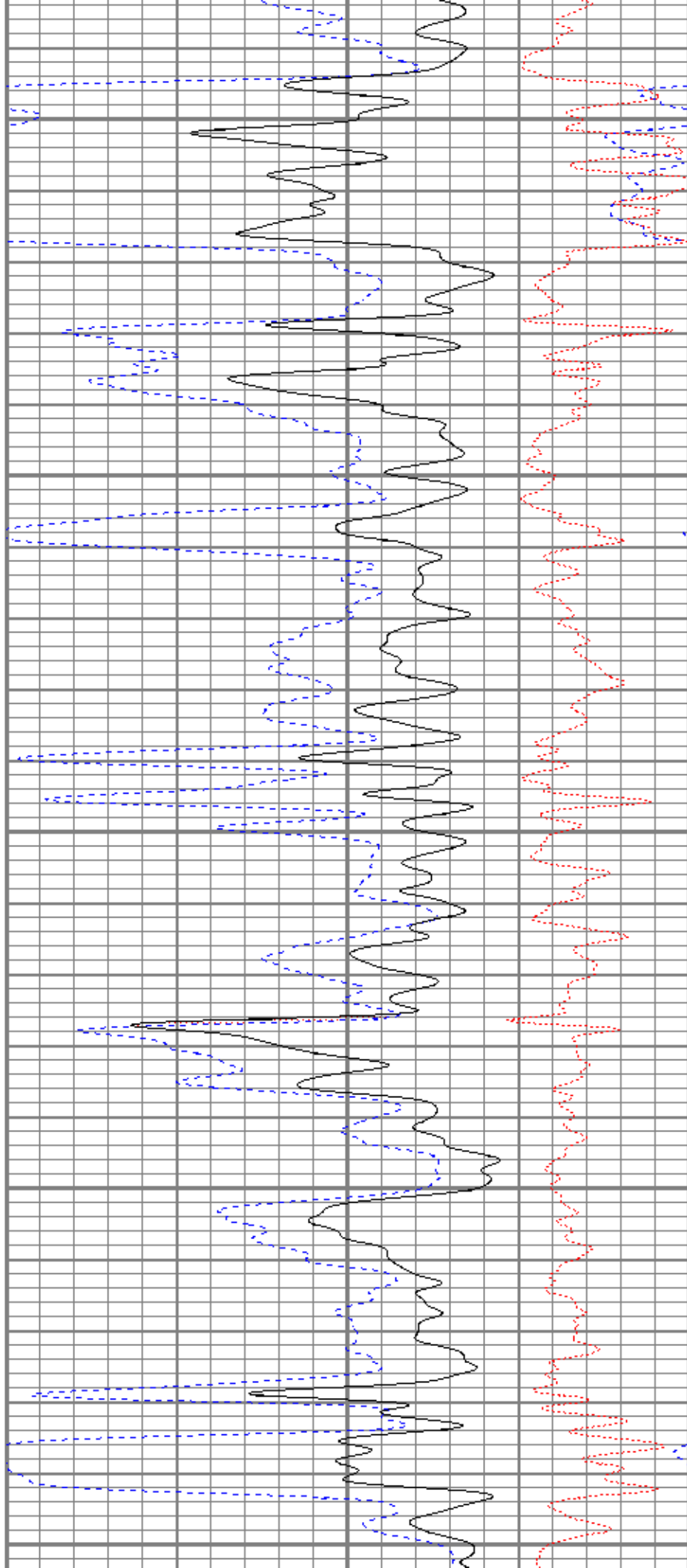
3700

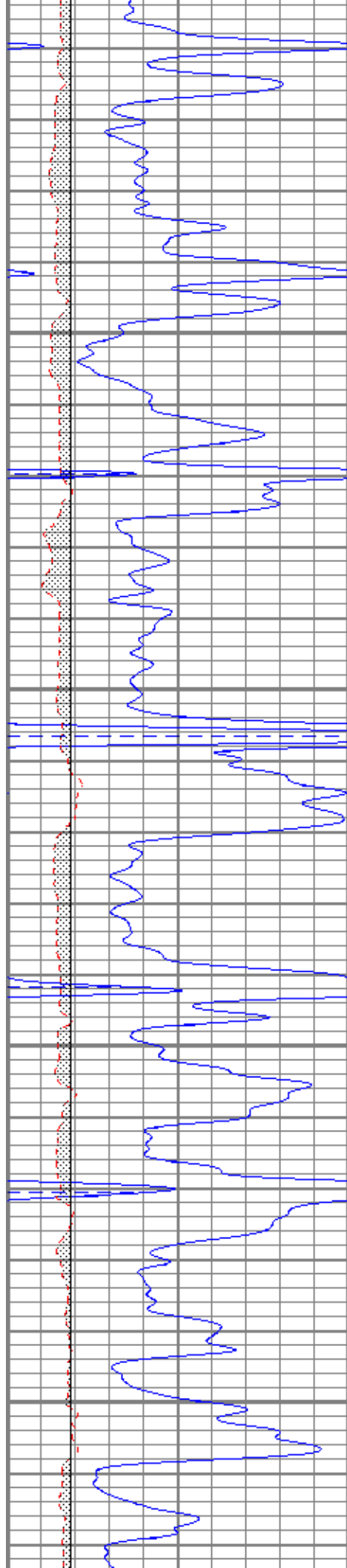
3750

3800

3850

3900



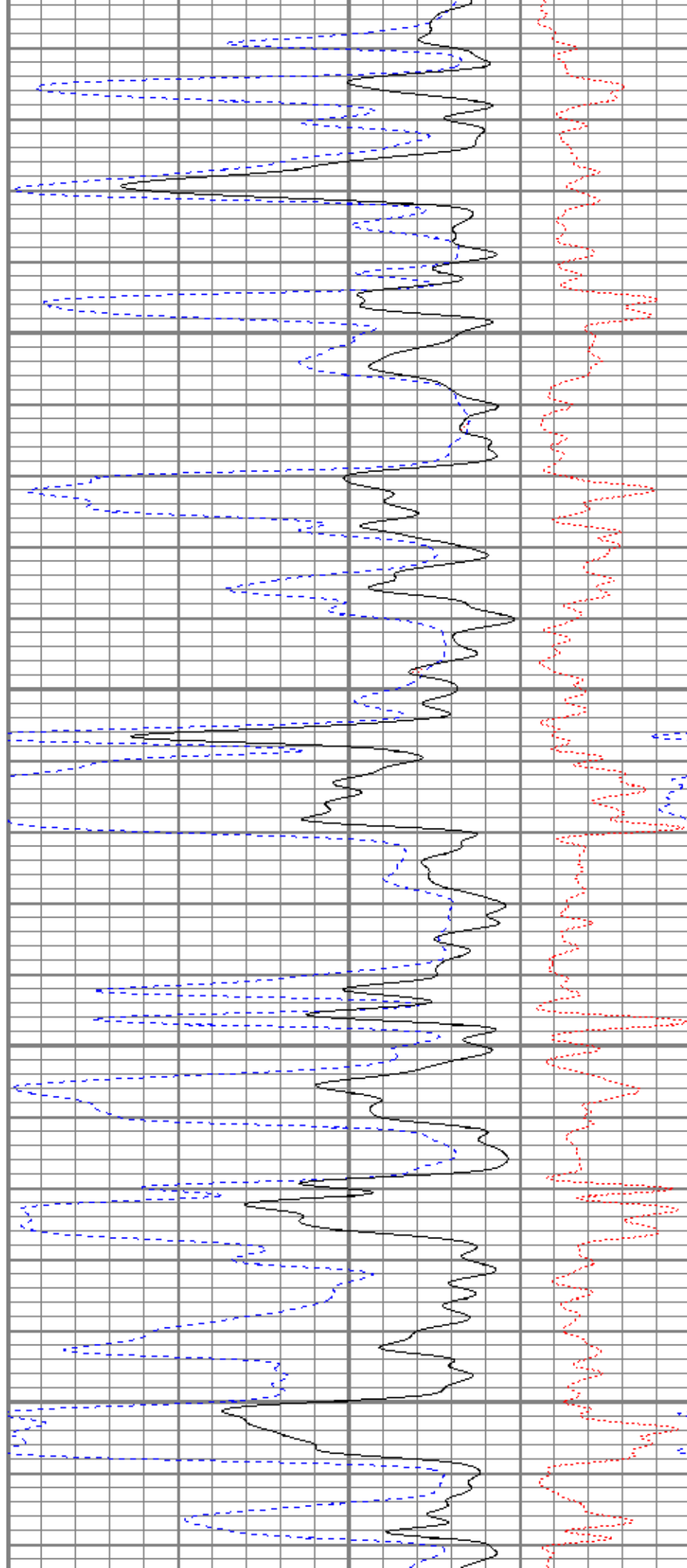


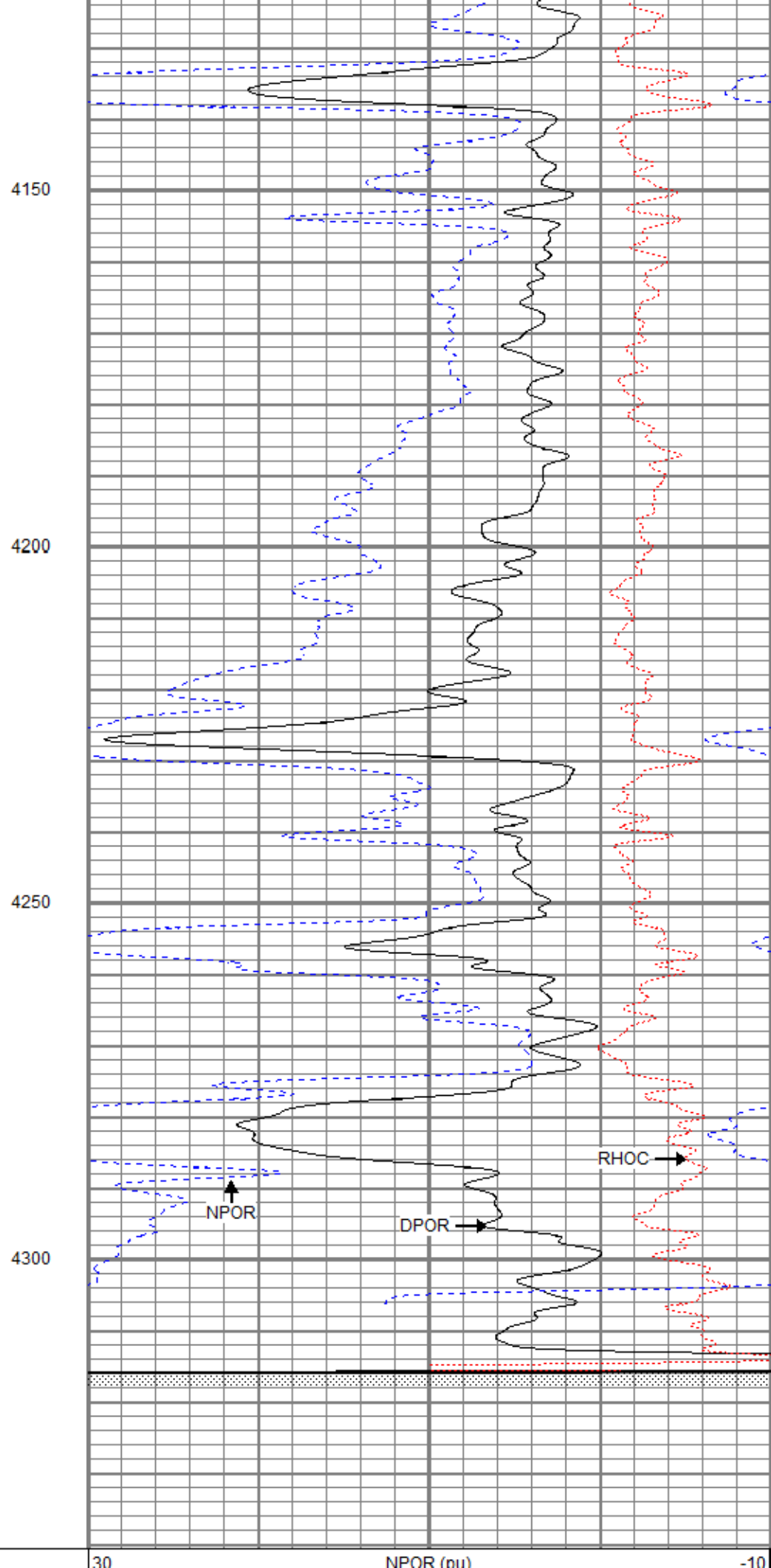
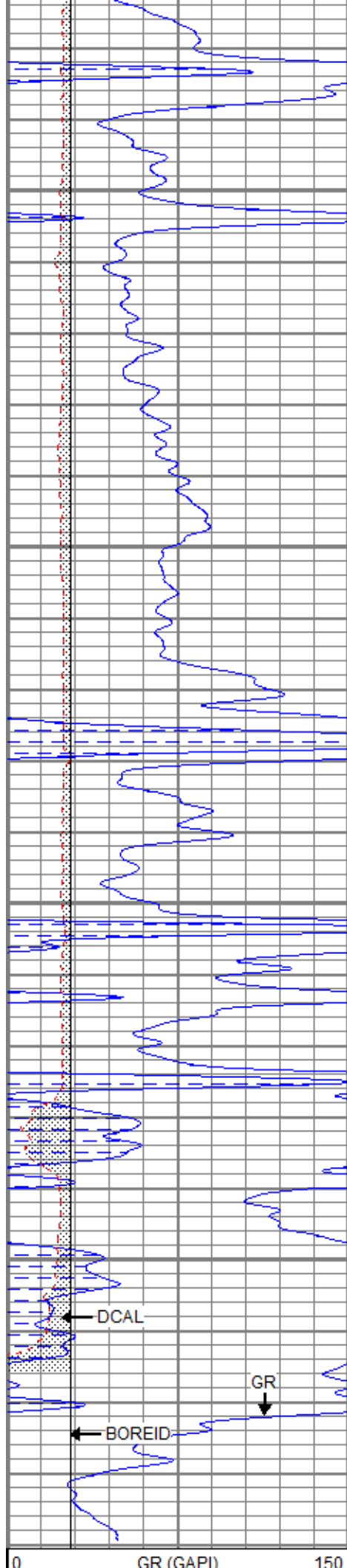
3950

4000

4050

4100





6	DCAL (in)	16
6	BOREID (in)	16

30	DPOR (pu)	-10	
70	DPOR (pu)	30	
	-0.25	RHOC (g/cc)	0.25



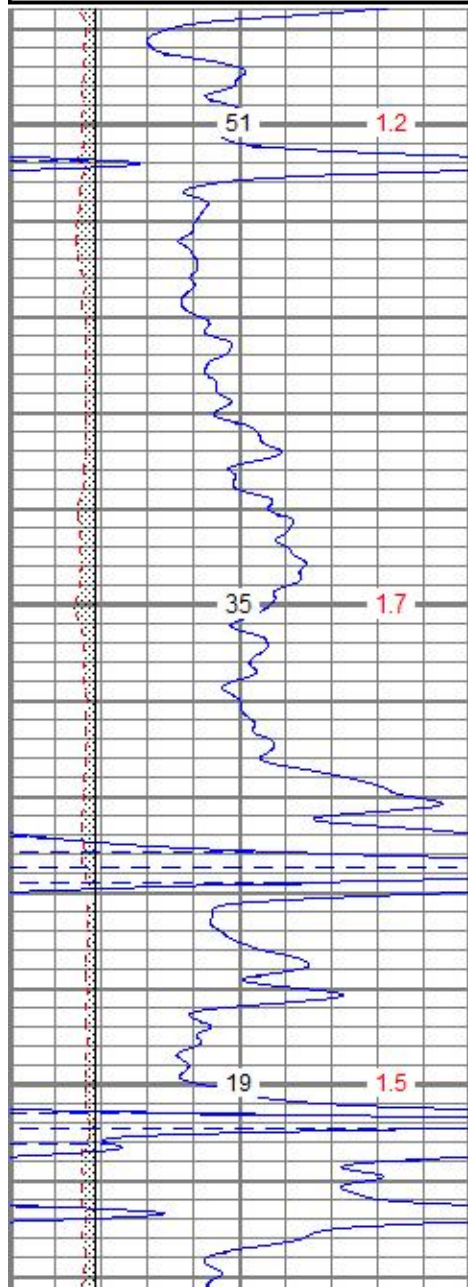
REPEAT SECTION

Database File tcmcjunkin#1-27oh.db
Dataset Pathname pass1.1
Presentation Format digital_kcdnl
Dataset Creation Tue Aug 22 23:45:18 2017
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

30		NPOR (pu)		-10
30		DPOR (pu)		-10
70		DPOR (pu)		30
TEMP (degF)		-0.25	RHOC (g/cc)	0.25
		8000	LTEN (lb)	0

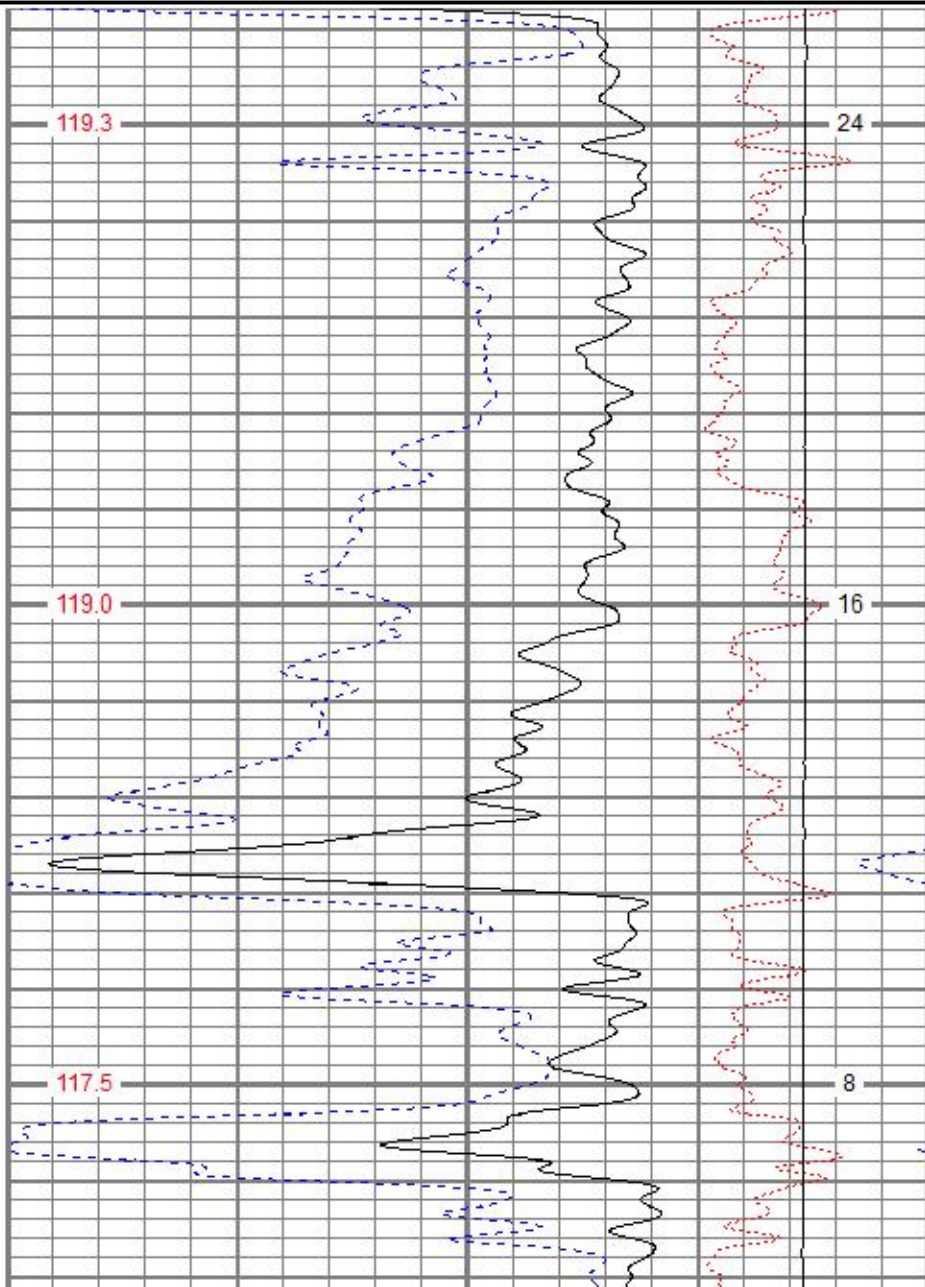
ABHV (ft3)



4150

4200

4250



119.3

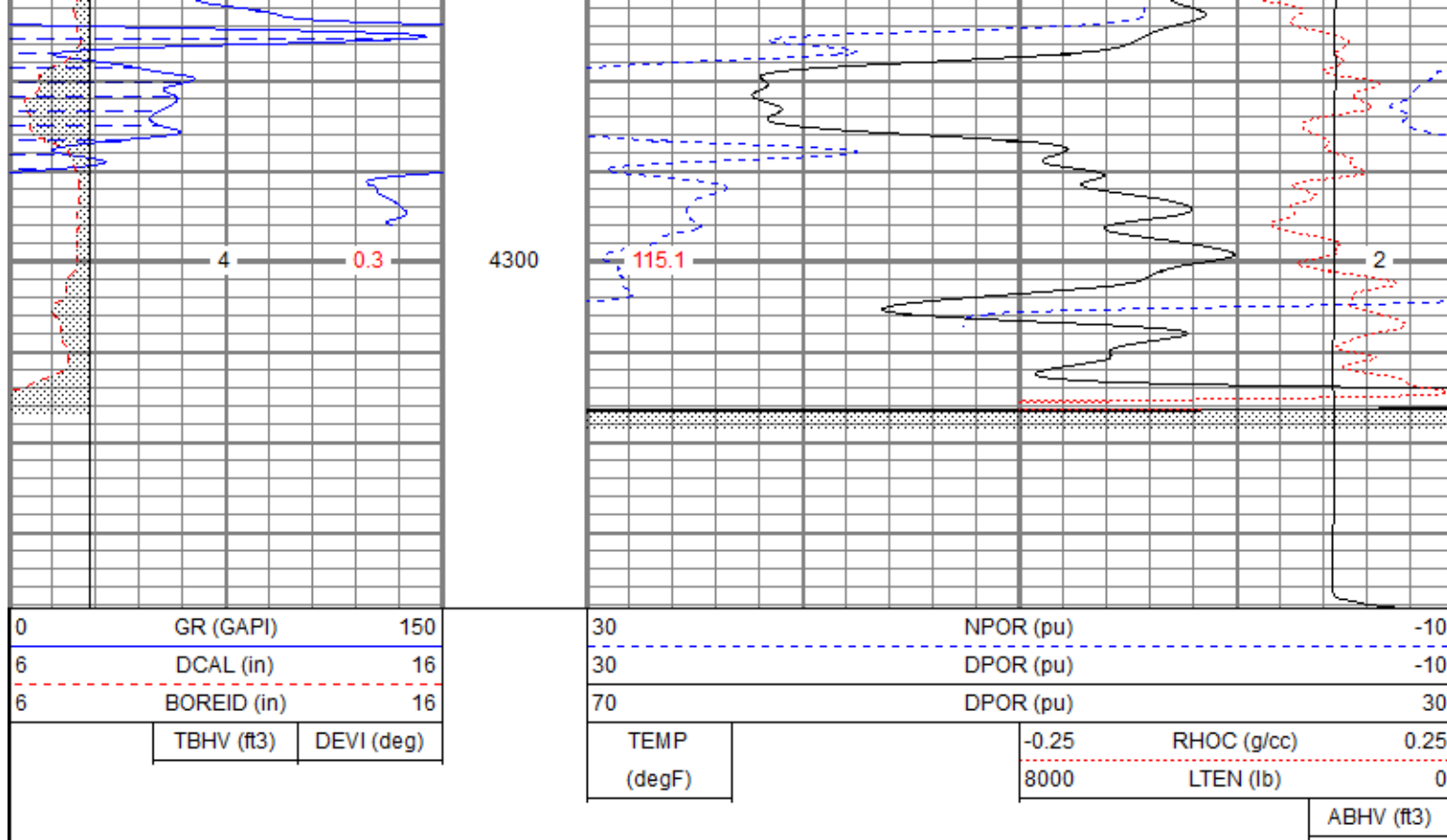
119.0

117.5

24

16

8



Calibration Report								
Database File	tmcjunkin#1-27oh.db							
Dataset Pathname	pass2							
Dataset Creation	Tue Aug 22 23:02:55 2017							
Dual Induction Calibration Report								
Serial-Model:			5375-G					
Surface Cal Performed:			Tue Aug 15 10:21:23 2017					
Downhole Cal Performed:			Tue Aug 15 10:22:14 2017					
After Survey Verification Performed:			Tue Aug 15 10:22:14 2017					
Surface Calibration								
		Readings		References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.003	0.635	V	0.000	350.000	mmho/m	548.445	1.715
Medium	-0.001	0.717	V	0.000	400.000	mmho/m	556.583	0.684
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.003	0.635	V	0.000	350.000	mmho/m	548.268	1.663
Medium	-0.001	0.718	V	0.000	400.000	mmho/m	556.234	0.694
Downhole Calibration								
		Readings		References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.131	349.928	mmho/m	0.052	350.165	mmho/m	1.001	-0.079
Medium	-0.084	400.178	mmho/m	-0.010	400.241	mmho/m	1.000	0.073
Shallow	2.425	0.005	V	500.000	2.000	Ohm-m	205.838	0.894
After Survey Verification								
		Readings		Targets			Results	

Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.131	349.928	mmho/m	1.001	-0.079
Medium	0.000	0.000	mmho/m	-0.084	400.178	mmho/m	1.000	0.073
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000
Neutron Calibration Report								
Serial Number:			Admyr					
Tool Model:			G					
Performed:			Thu Mar 09 07:56:12 2017					
Calibrator Value:			1		NAPI			
Calibrator Reading:			1		cps			
Sensitivity:			1		NAPI/cps			
Temperature Calibration Report								
Serial Number:			WithOutMC					
Tool Model:			WOMC					
Performed:			(Not Performed)					
			Reference		Reading			
Low Reference:			0.00	degF	0.00	degF		
High Reference:			1.00	degF	1.00	degF		
Gain:			1.00					
Offset:			0.00					
Delta Spacing			1					
Inclinometer Calibration Report								
Performed:			Mon Aug 07 09:10:34 2017					
			Low Read.	High Read.	Low Ref.	High Ref.		
X Accelerometer			205.00	1843.00	-1.00	1.00	gee	
Y Accelerometer			205.00	1843.00	-1.00	1.00	gee	
Z Accelerometer							gee	
Gamma Ray Calibration Report								
Serial Number:			WithOutMC					
Tool Model:			WOMC					
Performed:			(Not Performed)					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			1.0000		GAPI/cps			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.07		CHD-STD	0.50	1.69	1.00
ACCY	38.91		ADT-WOMC (WithOutMC)	4.58	3.50	120.00
ACCX	38.91		Telemetry Without Mud Cell			
SSTAT	38.49					

Tool	Length (ft)	Weight (lb)	O.D. (in)
PSTAT	37.66		
ASTAT	37.66		
GRD	36.82		
TEMP	36.82		
NEU	31.82		
NEU-G (Admyr) Gearhart Epithermal			
5.65	3.50	85.00	
LStat	24.30		
LS8	23.64		
LS7	23.64		
LS6	23.64		
LS5	23.64		
LS4	23.64		
LS3	23.64		
LS2	23.64		
LS1	23.64		
LSV	23.64		
LSD	23.62		
SSV	23.43		
SS8	23.43		
SS7	23.43		
SS6	23.43		
SS5	23.43		
SS4	23.43		
SS3	23.43		
SS2	23.43		
SS1	23.43		
DCAL	23.37		
SSD	23.04		
SP	10.60		
CILD	10.60		
CILM	6.89		
RLL3	1.70		
TR_Mon	0.00		
ADT1LITH-A (1) Admyr Litho Density Tool			
9.29	3.50	240.00	
DIL-G (5375) Gearhart			
21.47	4.00	345.00	
Dataset: tcmcjunkin#1-27oh.db: field/well/run1/pass2 Total length: 41.49 ft Total weight: 791.00 lb O.D.: 4.00 in			