COMPENSATED DENSITY NEUTRON LOG

Company Jason Oil Company LLC
Well Pittman-Carsten #1
Field Sweet Southeast
County Rooks State Kansas

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Well Pittman-Carsten #1
Field Sweet Southeast
County Rooks
State Kansas

Location: API # : 15 163 24388

330' FNL & 2875' FEL

SEC 20 TWP 8S RGE 18W

Other Services
ML
DIL

Elevation
K.B. 2022'
D.F. 2021'
G.L. 2012'

Permanent Datum	Ground Level	Elevation 2012'
Log Measured From	KB 10' AGL	
Drilling Measured From	KB	

Date	4-9-19		
Run Number	One		
Depth Driller	3500'		
Depth Logger	3500'		
Bottom Logged Interval	3478'		
Top Log Interval	2850'		
Casing Driller	8 5/8"@ 241'		
Casing Logger	241'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/55		
pH / Fluid Loss	9.0/8.0		
Source of Sample	Pit	Chlorides 4000 PPM	
Rm @ Meas. Temp	1.4@74degf		
Rmf @ Meas. Temp	1.1@74degf		
Rmc @ Meas. Temp	1.7@74degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.1@98degf		
Time Circulation Stopped	9:45 a.m		
Time Logger on Bottom	12:25 pm		
Maximum Recorded Temperature	98degf		
Equipment Number	T605		
Location	Hays, KS.		
Recorded By	C. Patterson		
Witnessed By	Mr. Jeff Lawler	Mr. Jim Shoenberger	

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Comments

North Of Plainville,KS to N Terrace Then West on N Terrace 1 mi to T (16 Terrace),
Then South on 16 Terrace turns to O Rd for 2 mi to 15 Rd., South on 15 Rd. 1 mi .to P Rd.,
Then West on P Rd. 0.5 mi., Southeast Into Location

Thanks for using Gemini Wireline LLC
785-625-1182

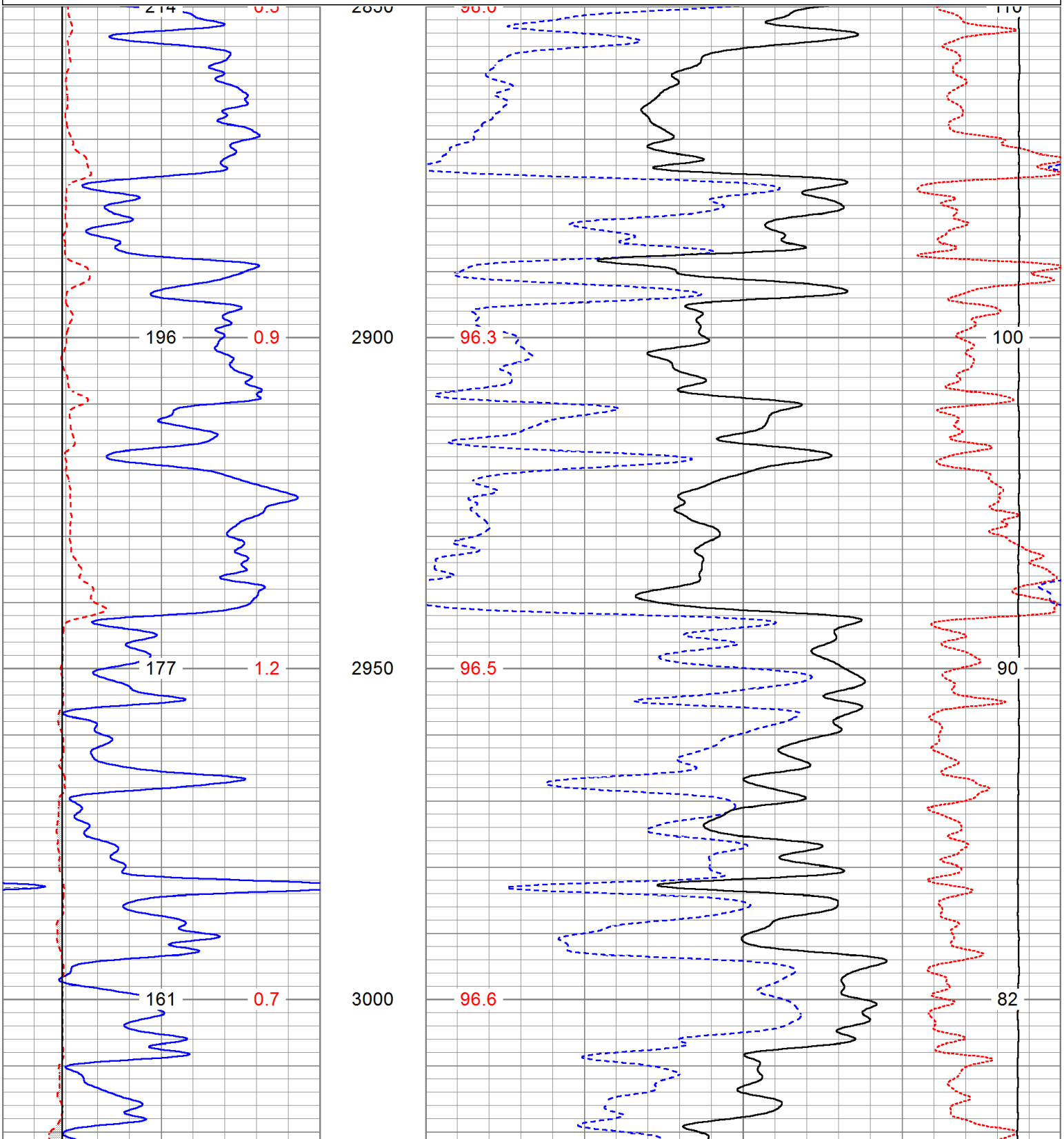
MAIN PASS

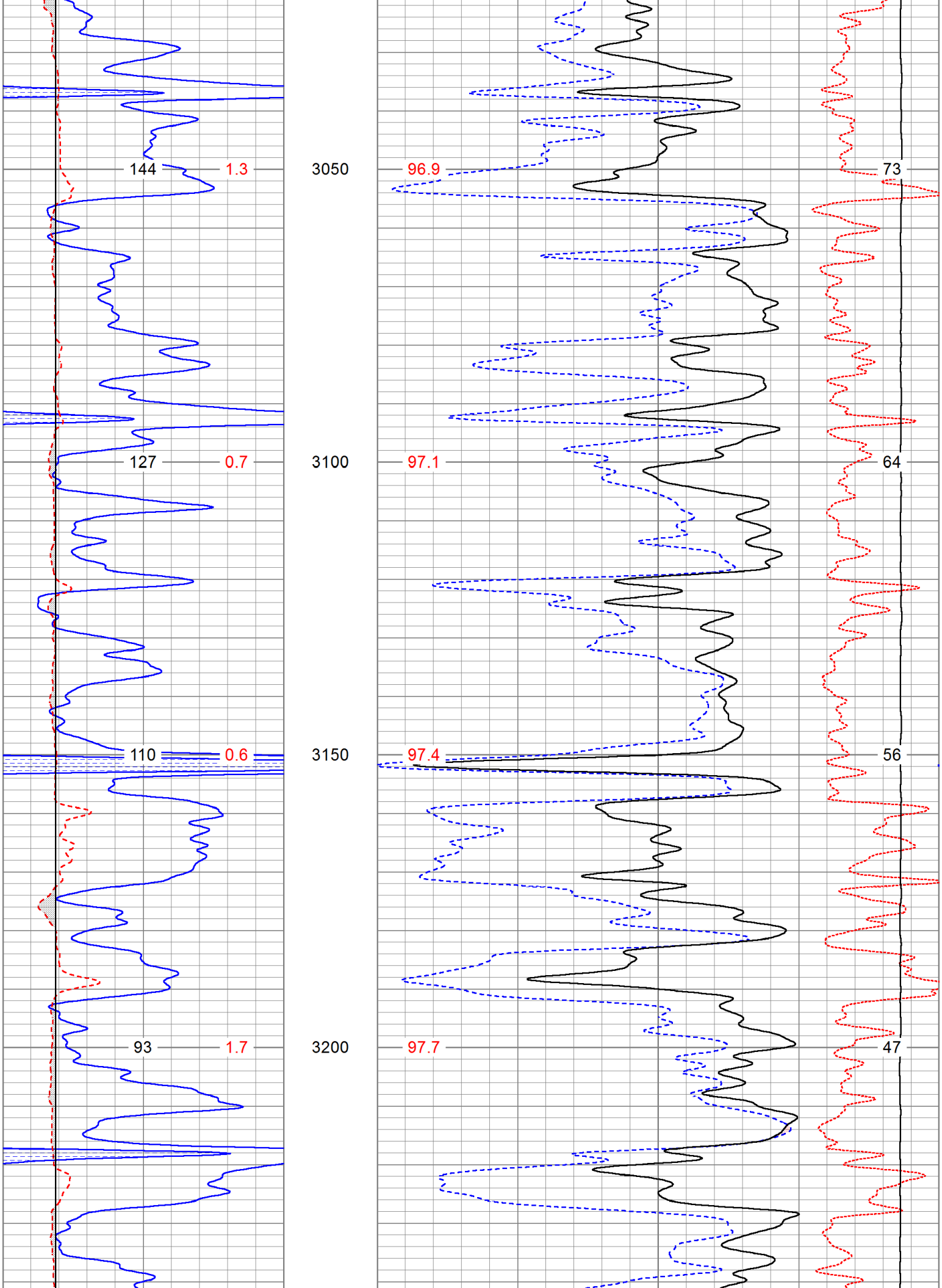
Database File	jopittman-carsten#1oh.db
Dataset Pathname	pass2
Presentation Format	digital_kcdnl
Dataset Creation	Tue Apr 09 12:39:11 2019
Charted by	Depth in Feet scaled 1:240

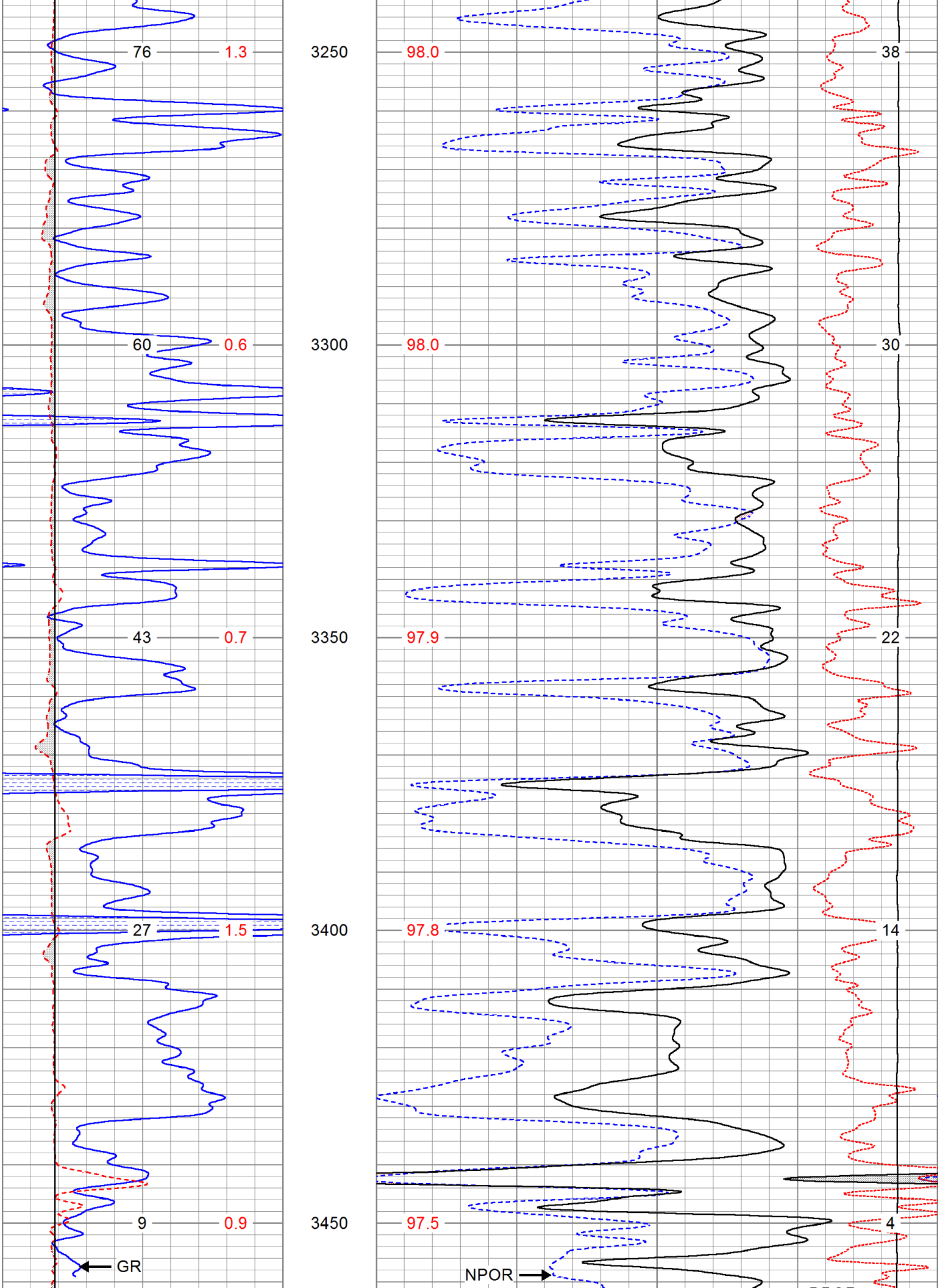
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

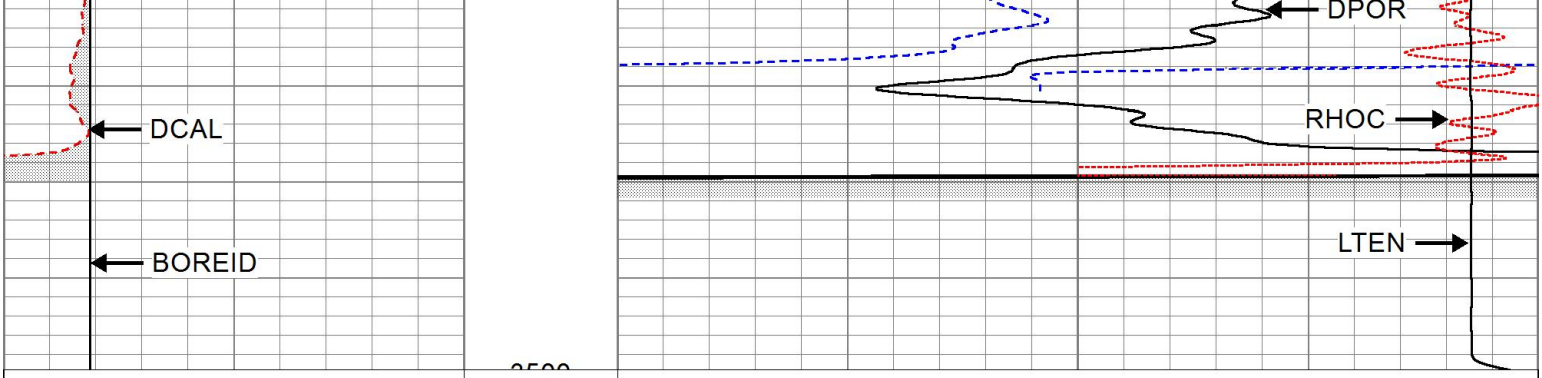
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
TEMP (degF)		

-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0
	ABHV (ft3)	




144
1.3
3050
96.9
73
127
0.7
3100
97.1
64
110
0.6
3150
97.4
56
93
1.7
3200
97.7
47


76
1.3
3250
98.0
38
60
0.6
3300
98.0
30
43
0.7
3350
97.9
22
27
1.5
3400
97.8
14
9
0.9
3450
97.5
4
GR
NPOR

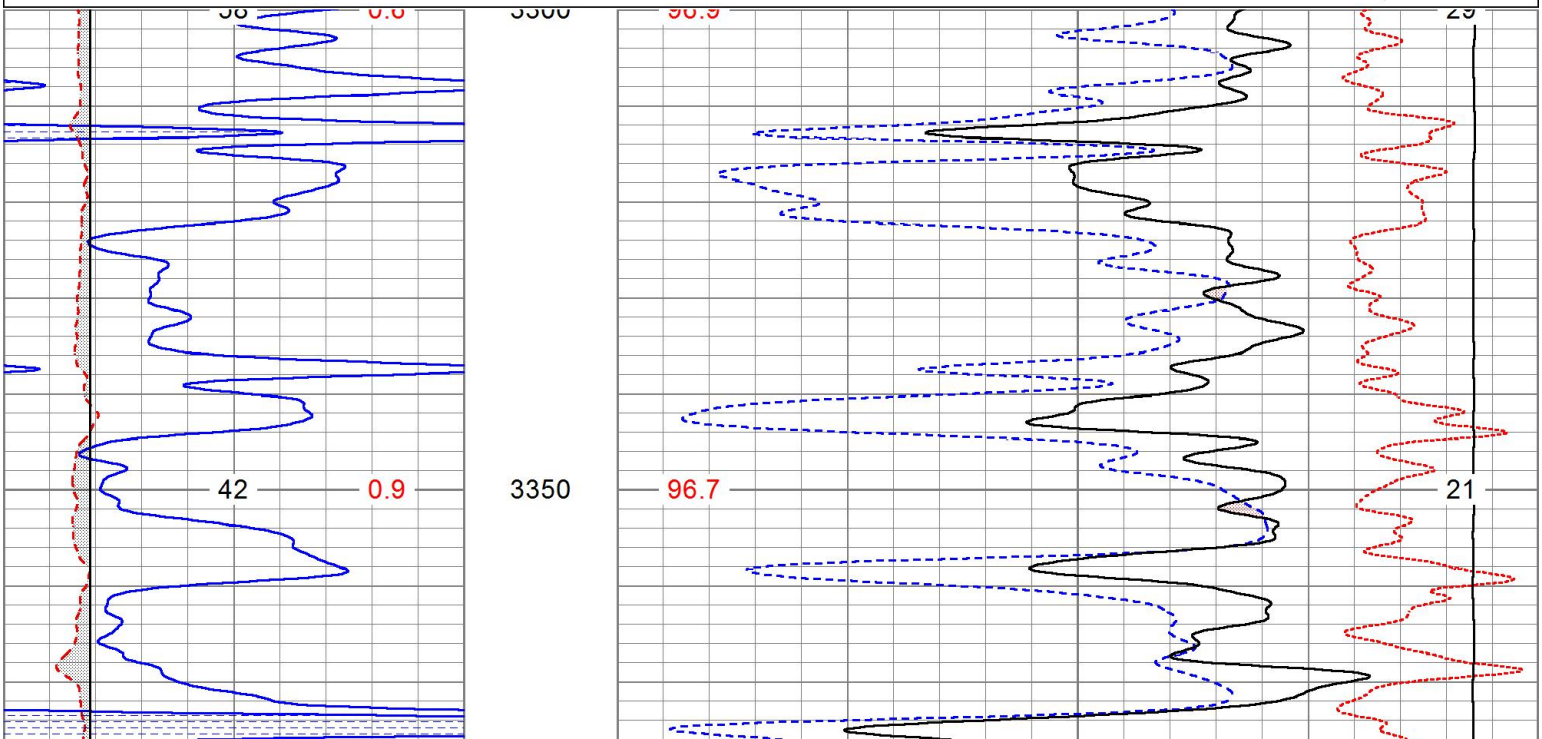


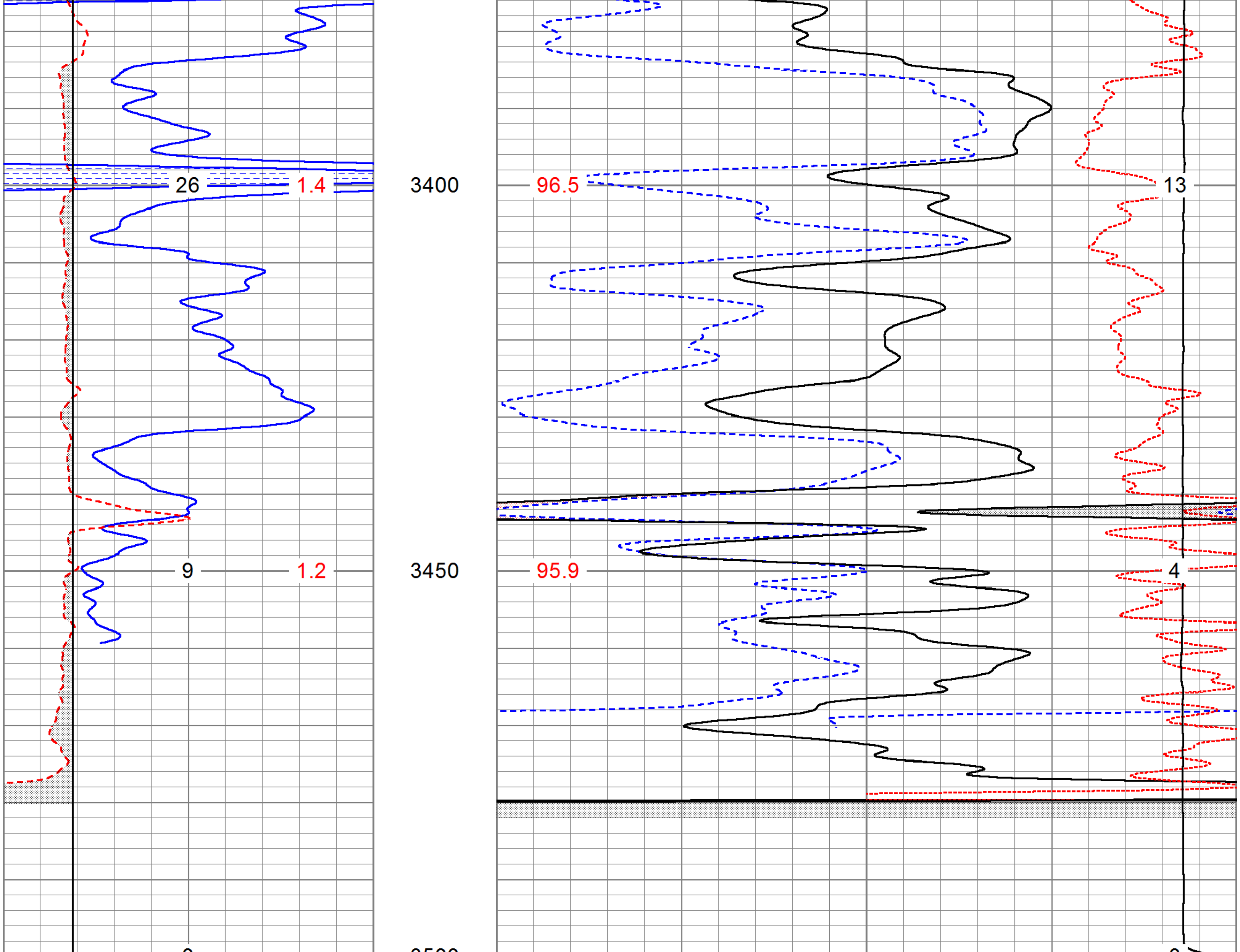
0	GR (GAPI)	150	30	NPOR (pu)	-10		
6	DCAL (in)	16	30	DPOR (pu)	-10		
6	BOREID (in)	16	70	DPOR (pu)	30		
TBHV (ft3)	DEVI (deg)		TEMP (degF)	-0.25	RHOC (g/cc)	0.25	
				8000	LTEN (lb)	0	
						ABHV (ft3)	

REPEAT SECTION

Database File	jopittman-carsten#1oh.db
Dataset Pathname	pass1
Presentation Format	digital_kcdnl
Dataset Creation	Tue Apr 09 12:24:49 2019
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	30	NPOR (pu)	-10		
6	DCAL (in)	16	30	DPOR (pu)	-10		
6	BOREID (in)	16	70	DPOR (pu)	30		
TBHV (ft3)	DEVI (deg)		TEMP (degF)	-0.25	RHOC (g/cc)	0.25	
				8000	LTEN (lb)	0	
						ABHV (ft3)	





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)	

Calibration Report

Database File jopittman-carsten#1oh.db
Dataset Pathname pass2
Dataset Creation Tue Apr 09 12:39:11 2019

Dual Induction Calibration Report

Serial-Model:	1989-ADM
Surface Cal Performed:	Wed Jun 06 19:34:10 2018
Downhole Cal Performed:	Wed Jun 06 19:34:10 2018
After Survey Verification Performed:	Wed Jun 06 19:34:10 2018

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b

Deep	-0.012	0.665	V	0.000	350.000	mmho/m	516.748	6.134
Medium	-0.013	0.752	V	0.000	400.000	mmho/m	522.482	6.987

Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.011	0.668	V	0.000	350.000	mmho/m	515.730	5.704
Medium	-0.015	0.752	V	0.000	550.000	mmho/m	716.653	10.787

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.000	mmho/m	0.419	351.110	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-0.877	400.105	mmho/m	1.000	0.000
Shallow	2.502	0.040	V	500.000	2.000	Ohm-m	180.323	-2.126

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number: AD5139
Tool Model: ADMY5139
Performed: (Not Performed)

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Temperature Calibration Report

Serial Number: WithMC
Tool Model: WMC
Performed: Wed Dec 05 04:54:01 2018

	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

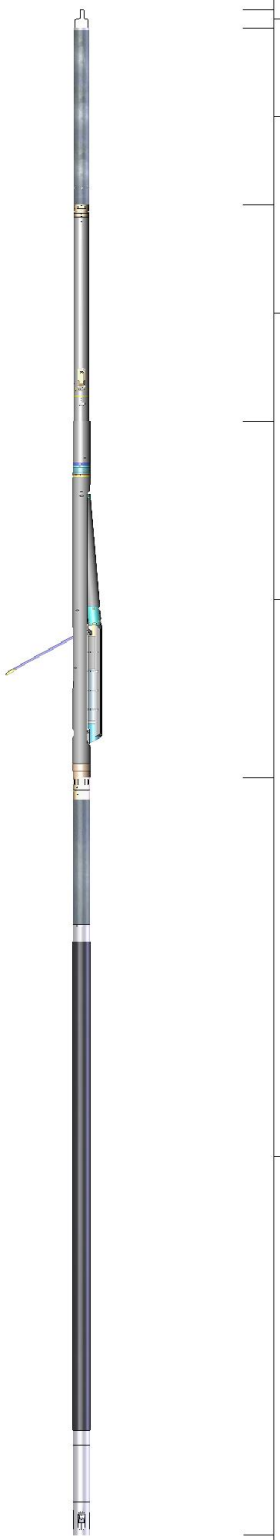
Performed: Wed Dec 05 04:53:48 2018

	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:	WithMC	
Tool Model:	WMC	
Performed:	Wed Dec 05 04:58:30 2018	
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)
			CHD-STD	0.50	1.69	1.00
GR	38.31					
ACCY	37.15		ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
ACCX	37.15					
SSTAT	36.73					
PSTAT	35.90					
ASTAT	35.90					
GRD	35.06		NEU-ADMY5139 (AD5139) Admyer NEU DIGITAL	5.65	3.50	50.00
TEMP	35.06					
NEU	31.00					
LStat	22.54					
LS8	21.88		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
LS7	21.88					
LS6	21.88					
LS5	21.88					
LS4	21.88					
LS3	21.88					
LS2	21.88					
LS1	21.88					
LSV	21.88					
LSD	21.86					
SSV	21.67					
SS8	21.67					
SS7	21.67					
SS6	21.67					
SS5	21.67					
SS4	21.67		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
SS3	21.67					
SS2	21.67					
SS1	21.67					
DCAL	21.61					
SSD	21.27					
SP	10.60					
CILD	10.60					
CILM	6.89					
RLL3	1.70					
TR_Mon	0.00					

Dataset:	jopittman-carsten#1oh.db: field/well/run1/pass2
Total length:	39.73 ft
Total weight:	711.00 lb
O.D.:	4.00 in