



correctness of a
or expenses
subject to o

Company		Patterson Energy	
Well	Mueller #1		
Field	Bloomer		
County	Barton	State	Kansas
Location:	Airt # : 15 000 2630T		Other Services
	330 FNL & 860 FEL	ML DIL	
Permanent Datum	SEC 1 TWP 18S RGE 11W	Elevation	
Log Measured From	Ground level	K B .1811"	
Drilling Measured From	KB 11 AGL	D.F. 1810"	
	KB	GL 1807"	
Date	5/5/21		
Run Number	3306		
Run Date/Time	3/30/21		
Depth Logger	3320'		
Bottom Logged Interval	3286'		
Top Log Interval	2500'		
Casing Driller	8.562 @ 349'		
Cement Driller	7.746'		
Bit Size	Chemical		
Density / Viscosity	9.4/50	Chlorides 8500 PPM	
pH / Fluid Loss	10.5/8.5		
Source of Samples	PA		
Flowback / Produced Water	1.263/8.45		
Run @ Mass Temp	1.44@286df		
Run @ Mass Temp	0.88@286df		
Source of Rinf / Rinc	Calculated		
Rim @ BHT	0.63@11106df		
Time Circulation Stopped	5.10 p.m		
Time Circulation Started	7:22 a.m		
Maximum Recorder Temperature	1106df		
Location Number	T-605		
Recorded By	Hays, KS		
Reviewed By	Chase Patterson		
Witnessed By	MT Austin Klaus		

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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 of 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 incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are subject to the general terms and conditions set out in our current Price Schedule.

Comments

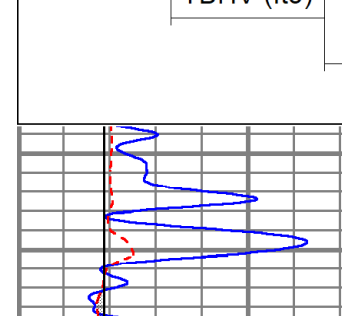
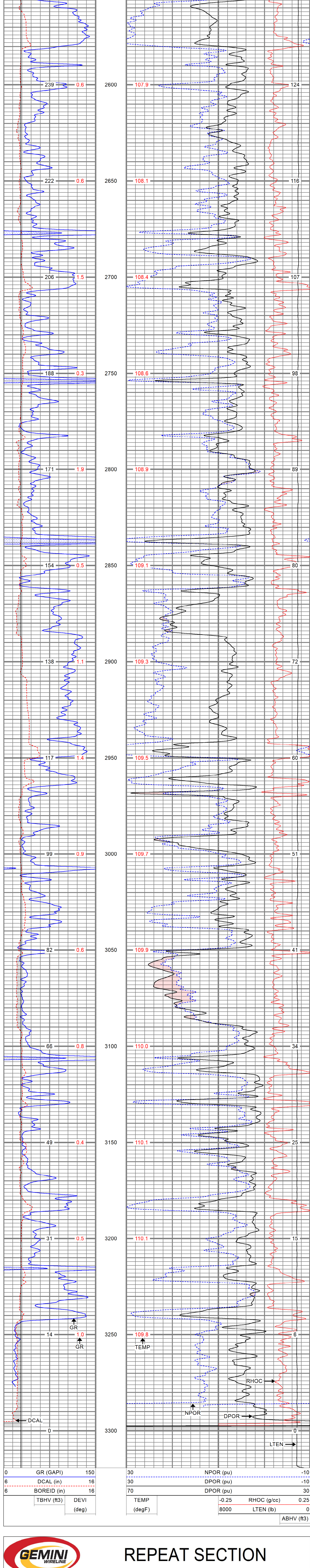
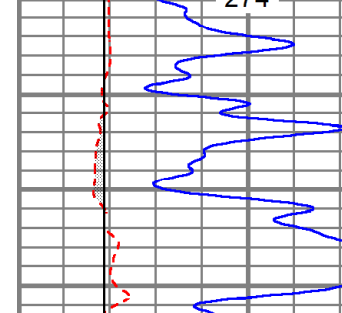
East of Claflin, KS Apprx 3 mi. to NE 160th Ave.

Then South for .1 m(across Railroad Tracks) ,West Into Location

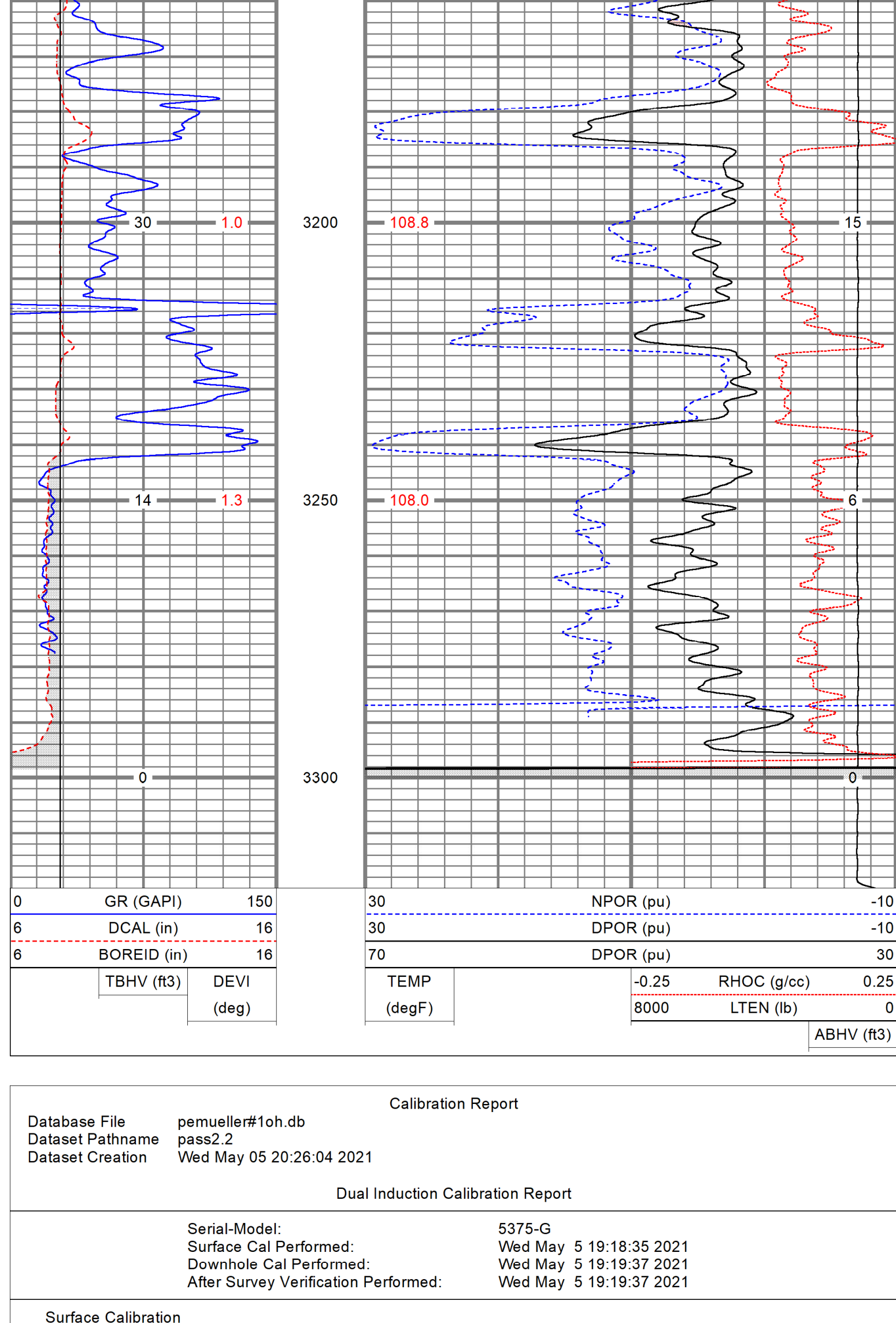
Thanks for using Gemini Wireline LLC
765-625-1182

eller#1oh.db
2
_kcdnl

0	30	NPOR
6	30	DPOR



TEMP (degF)	8000	LTEN
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Loop:	Results			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.001	0.643	V	0.000	350.000	mmho/m	545.845	-0.739
Medium	0.006	0.727	V	0.000	400.000	mmho/m	554.957	-3.517

Zero C

	Deep	0.001	0.642	V	0.000	350.000	mmho/m	545.941	-0.743
	Medium	0.006	0.727	V	0.000	550.000	mmho/m	762.767	-4.700
Downhole Calibration									
		Readings			References			Results	
Internal:	Zero	Cal			Zero	Cal		m	b
Deep	0.127	350.109	mmho/m		0.003	349.942	mmho/m	1.000	-0.123
Medium	0.122	400.202	mmho/m		-0.097	400.049	mmho/m	1.000	-0.219

Shallow	2.428	0.012	V	500.000	2.000	Ohm-m	205.985	0.227
After Survey Verification								
Readings				Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.127	350.109	mmho/m	1.000	-0.123
Medium	0.000	0.000	mmho/m	0.122	400.202	mmho/m	1.000	-0.219
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

Test results

Temperature Calibration Report				
Serial Number:	WithMC			
Tool Model:	VMC			
Performed:	Fri Apr 19 12:15:04 2019			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			

0.00
1

Inclinometer Calibration Report					
Performed:	Wed May 5 19:20:48 2021				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer					

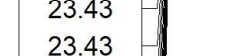
	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee
Gamma Ray Calibration Report					
Serial Number:	WithMC				
Tool Model:	VMC				
Performed:	Wed May 5 19:21:08 2021				

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

ACGY	38.91	ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
ACCX	38.91				
SSTAT	38.49				
PSTAT	37.66				
ASTAT	37.66				
GRD	36.82	NEU-ADMYS139 (AD5139) Admyer NEU DIGITAL	5.65	3.50	50.00
TEMP	36.82				
NEU	32.76				
LStat	24.30				

LS8	23.64		9.29	3.50	240.00
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		DIL-G (5375) Gearhart	21.47	4.00	345.00
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				

Dataset:	pemuellet#10h.db: fdb/well/run1/pass2.2
Total length:	41.49 ft
Total weight:	756.00 lb