Company:	Patterson Energy
Well:	Agnes #1
Field:	Kraft-Prusa
County:	Barton
State:	Kansas
Date:	
Time:	

GEMINI

COMPENSATED DENSITY LOG

Company: Patterson Energy
Well: Kraft-Prusa
Field: Agnes #1
County: Barton
State: Kansas
Date:
Time:

API No. 15-009-25-960
Location: SE - SW - NW - NW
Sec. 30 Twp. 16 S Rng. 12 W
Elev. KB 1907 ft. DF ft. GL 1902 ft.
Permanent Datum: Ground Level
Log Measured From: KB 5 ft. above Perm. Datum
Drilling Measured From: KB
Date: 10-Jul-2019
Run Number: ONE
Depth Driller: 3500 ft.
Depth Logger: 3496 ft.
Bottom Logged Interval: 3494 ft.
Top Logged Interval: 2700 ft.
Casing Driller Size: 8.625 @ 225 ft.
Casing Logger Size: 8.625 @ 224 ft.
Bit Size: 7.875 in.
Type Fluid in Hole: Gel Chem
Density: 9.2 lb/gal
Viscosity: 58 s
Fluid Loss: 6.4 cc
Source of Sample: Flowline
Rm @ Meas. Temp.: 0.61 @ 70 °F
Rmf @ Meas. Temp.: 0.46 @ 70 °F
Rmc @ Meas. Temp.: 0.91 @ 70 °F
Source: Rmf: Rmc:
Rm @ BHT: 0.32 @ 120 °F
Time Since Circulation: 9 hrs.
Time Since Stop: 1 hrs.
Max. Recorded Temp.: 120 °F
Equipment: 8-Mile Ranch
Recorded By: Jeremy Pfannenstiel
Witnessed By: Mr. Jason Alderman

Comments

Clarke,KS North on 130 Ave3rd St for 7 m to 180 Rd.,
Then West on 180 Rd 12 mi. South into Location

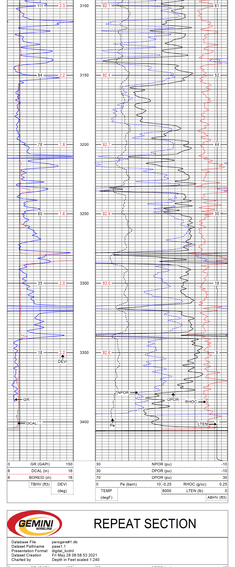
LATITUDE/LONGITUDE
38.6223173, -98.547911

Thanks for using Gemini Wireline LLC
785-625-1182

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 interpretations, and we shall not, except in the case of gross or wilful 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.

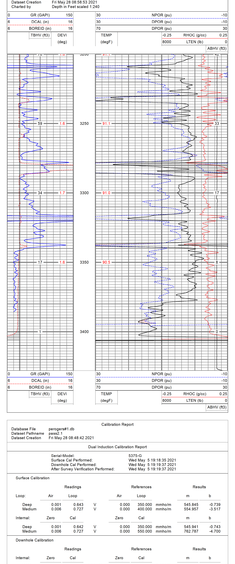
MAIN PASS

Database File pengoran81.db
Dataset Pathname pass2.1
Presentation Format digital_log
Dataset Creation Fri May 29 08:49:42 2021
Charted by Depth in Feet scaled 1:240



REPEAT SECTION

Database File pengoran81.db
Dataset Pathname pass1.1
Presentation Format digital_log
Dataset Creation Fri May 29 08:58:03 2021
Charted by Depth in Feet scaled 1:240



Database File pengoran81.db
Dataset Pathname pass3.2
Dataset Creation Fri May 29 08:49:42 2021

Calibration Report

Dual Induction Calibration Report

Serial-Model
Surface Cal Performed Wed May 3 19:18:35 2021
Internal Cal Performed Wed May 3 19:18:35 2021
After Survey Verification Performed Wed May 3 19:18:37 2021

Surface Calibration

	Readings			References			Results		
Loop	Air	Loop		Air	Loop		m	b	
Deep	0.001	0.643	V	0.000	300.000	mmho/m	545.845	-0.219	
Medium	0.006	0.727	V	0.000	400.000	mmho/m	554.957	-3.517	
Internal	Zero	Cal		Zero	Cal		m	b	
Deep	0.001	0.643	V	0.000	300.000	mmho/m	545.845	-0.743	
Medium	0.006	0.727	V	0.000	500.000	mmho/m	762.787	-4.700	

Downhole Calibration

	Readings			References			Results		
Internal	Zero	Cal		Zero	Cal		m	b	
Deep	0.127	355.158	mmho/m	0.000	349.842	mmho/m	1.000	-0.123	
Medium	0.122	400.202	mmho/m	-0.087	400.649	mmho/m	1.000	-0.219	
Shallow	0.429	0.012	S	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	355.158	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	mmho/m	500.000	2.000	Ohm-m	1.000	0.000	

Neutron Calibration Report

Serial Number: ADS139
Tool Model Performed: ADNP3139 (Not Performed)

Calibrator Value 1 NAPI

Calibration Reading 1 cps

Sensitivity: 1 NAPI/cps

Temperature Calibration Report

Serial Number: WRAMC
Tool Model Performed: WRAC
Fri Apr 19 12:15:06 2019

	Reference	Reading
Low Reference	0.00 degF	0.00 degF
High Reference	100.00 degF	1.00 degF

Gain 1.00
Offset 0.00
Delta Spacing 1

Inclinometer Calibration Report

Performed Wed May 3 19:20:46 2021

	Line Read.	High Read.	Line Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	pass
Y Accelerometer	205.00	1843.00	-1.00	1.00	pass
Z Accelerometer					pass

Gamma Ray Calibration Report

Serial Number: WRAMC
Tool Model Performed: WRAC
Wed May 3 19:21:08 2021

Calibrator Value 1.0 GAPI

Background Reading 0.0 cps
Calibration Reading 1.0 cps

Sensitivity: 1.0000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
AO	40.07		CHG-NUT	0.50	1.66	1.00
ADCL	38.57		ADT-RMC (AMMAC) Hydraul Telemetry Wide Washed	4.58	3.90	120.00
AHCX	38.91					
SDTAT	38.49					
ADTAT	38.49					
ADCL	36.92		NEU-ADAPTOR (ADEPTR) Hydraul NEU DOTAL	5.65	3.50	50.00
GRD	36.92					
TEMP	36.92					
NEU	32.76					
LS1	23.64					
LS2	23.64					
LS7	23.64					
LS8	23.64					
LS9	23.64					
LS4	23.64					
LS5	23.64					
LS3	23.64					
LS6	23.64					
LS0	23.64					
SS0	23.43		ADTS-PEA (ALT) Hydraul Ultra Density Tool	9.29	3.50	240.00
SS1	23.43					
SS2	23.43					
SS3	23.43					
SS4	23.43					
SS5	23.43					
SS6	23.43					
SS7	23.43					
SS8	23.43					
DCAL	23.37					
SS9	23.43		OIL-O-DOTS Hydraul	21.47	4.00	345.00
DP	10.60					
CLD	10.60					
ALD	10.60					
ALL	10.60					
TR_Max	0.00					

Dataset: pengoran81.db: fieldwatch1pass2.1
Total length: 41.48 ft
Total weight: 1,000.00 lb
O.D. 4.00 in