LITHO DENSITY NEUTRON LOG

Company Palomino Petroleum
Well Spectre #2
Field L. T. P. NORTH
County Ness
State Kansas

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Well Spectre #2
Field L. T. P. NORTH
County Ness State Kansas
Location: API # : 15 135 26126
330' FNL & 1618' FWL
SEC 17 TWP 18S RGE 24W

Other Services
DIL
ML
BVL

Permanent Datum Ground Level Elevation 2303'
Log Measured From KB 8' AGL
Drilling Measured From KB

Elevation
K.B. 2311'
D.F. 2310'
G.L. 2303'

Date	11/23/21	
Run Number	One	
Depth Driller	4430'	
Depth Logger	4430'	
Bottom Logged Interval	4408'	
Top Log Interval	3500'	
Casing Driller	8 5/8" @ 214'	
Casing Logger	214'	
Bit Size	7 7/8"	
Type Fluid in Hole	Chemical	Chlorides 3200 ppm
Density / Viscosity	9.3/58	
pH / Fluid Loss	10.5/5.4	
Source of Sample	Pit	
Rm @ Meas. Temp	1.7@70degf	
Rmf @ Meas. Temp	1.4@70degf	
Rmc @ Meas. Temp	2.2@70degf	
Source of Rmf / Rmc	Calculated	
Rm @ BHT	1.1@109degf	
Time Circulation Stopped	6:45 a.m.	
Time Logger on Bottom	10:15 a.m.	
Maximum Recorded Temperature	109degf	
Equipment Number	T605	
Location	Hays, KS	
Recorded By	C.Patterson	
Witnessed By	Mr. Andrew Stenzel	

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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

Ness City, KS 96 Hwy & 283 Hwy 4.6 mi West to County Rd 533,
Then North 3 mi. to 160 Rd/R Rd.,Then 1/2 mi West on 160 Rd/R Rd.,
South into Loaction

LAT/LONG
38.4923935,-100.0038384

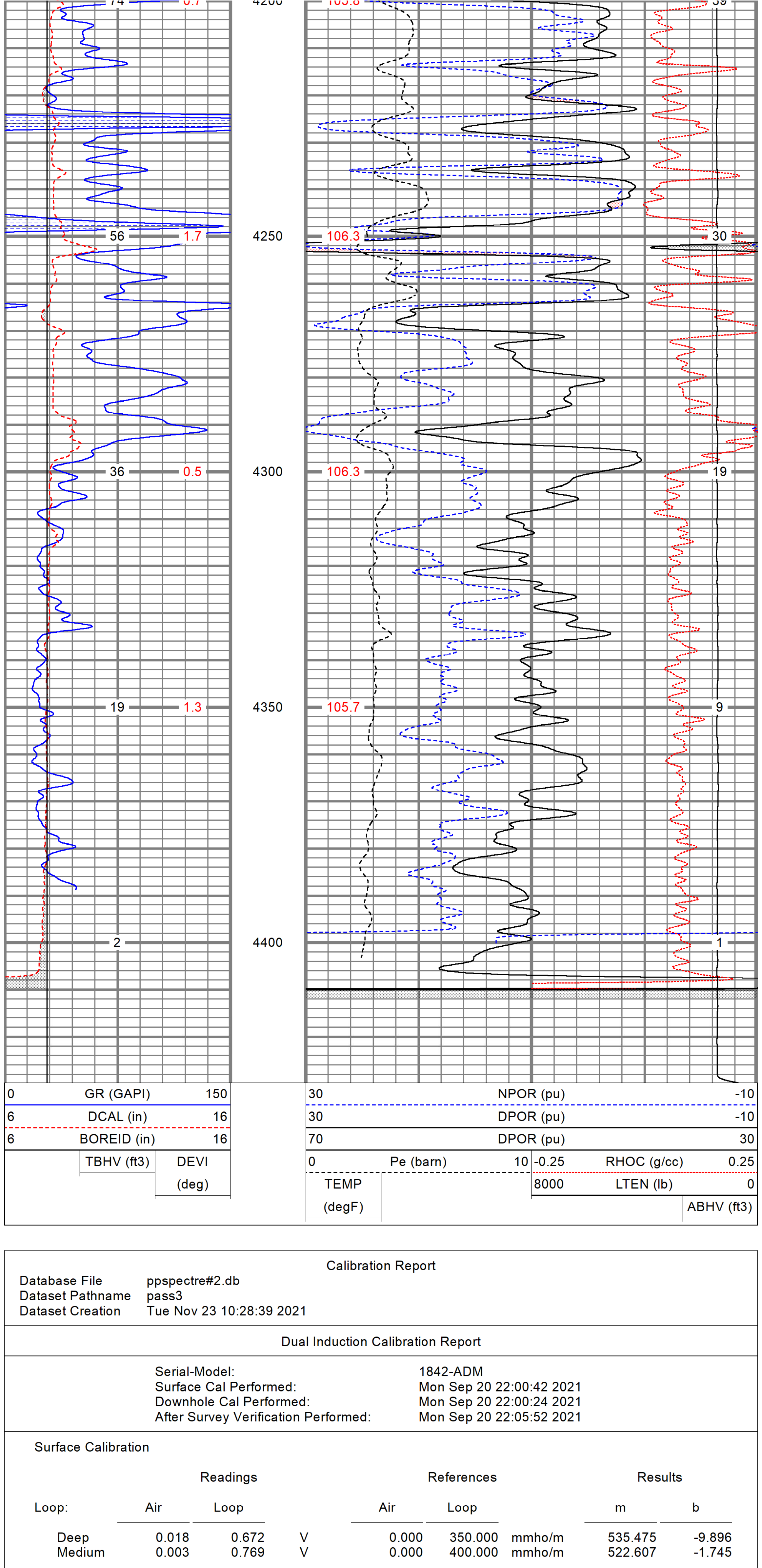
Thank You for using Gemini Wireline LLC
785-625-1182

MAIN PASS

Database File ppspectre#2.db
Dataset Pathname pass3
Presentation Format digital_kcdnl
Dataset Creation Tue Nov 23 10:28:39 2021
Charted by Depth in Feet scaled 1:240

REPEAT SECTION

Database File ppspectre#2.db
Dataset Pathname pass1
Presentation Format digital_kcdnl
Dataset Creation Tue Nov 23 10:07:50 2021
Charted by Depth in Feet scaled 1:240



Calibration Report

Database File ppspectre#2.db
Dataset Pathname pass3
Dataset Creation Tue Nov 23 10:28:39 2021

Dual Induction Calibration Report

Serial-Model: 1842-ADM
Surface Cal Performed: Mon Sep 20 22:00:42 2021
Downhole Cal Performed: Mon Sep 20 22:00:24 2021
After Survey Verification Performed: Mon Sep 20 22:05:52 2021

Surface Calibration

Loop:	Readings Air	Readings Loop		References Air	References Loop		Results m	Results b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	**Zero**	**Cal**		**Zero**	**Cal**		**m**	**b**
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration

Internal:	Readings Zero	Readings Cal		References Zero	References Cal		Results m	Results b
Deep	-0.219	349.905	mmho/m	-0.343	349.810	mmho/m	1.000	-3.124
Medium	-0.118	399.722	mmho/m	-0.226	399.745	mmho/m	1.000	-3.108
Shallow	2.536	0.025	V	500.000	2.000	Ohm-m	180.330	-1.504

After Survey Verification

Internal:	Readings Zero	Readings Cal		Targets Zero	Targets Cal		Results m'	Results b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
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: 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
Offset: 0.00
Delta Spacing 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

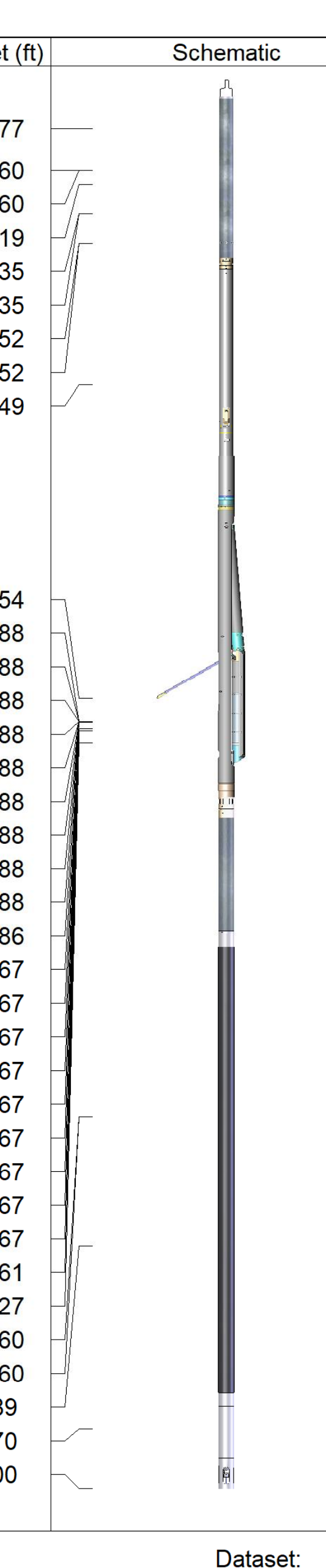
Gamma Ray Calibration Report

Serial Number: WithMC
Tool Model: WMC
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)
			CHD-STD	0.50	1.69	1.00
GR	38.77					
ACCY	37.60		ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
ACCX	37.60					
SSTAT	37.19					
PSTAT	36.35					
ASTAT	36.35					
GRD	35.52					
TEMP	35.52		NEU-ADMY5139 (AD5139) Admyer NEU DIGITAL	5.65	3.50	50.00
NEU	31.49					
LStat	22.54					
LS8	21.88		ADT1LITH-A (1) Admyr Litho Density Tool	9.75	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 (1842) 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: ppspectre#2.db: field/well/run1/pass3
Total length: 40.19 ft
Total weight: 711.00 lb
O.D.: 4.00 in