LITHO DENSITY NEUTRON LOG

Company	PALOMINO PETROLEUM
Well	Rebel Alliance #1
Field	Chrif East
County	NESS
State	KS

Company PALOMINO PETROLEUM

Well Rebel Alliance #1

Field Chrif East

County NESS State KS

Location: API # : 15 135 26149

2203' FSL & 1397' FWL

SEC 14 TWP 19S RGE 25W

Other Services
DIL
ML

Permanent Datum Ground Level Elevation 2387'

Log Measured From KB 11' AGL

Drilling Measured From KB

Elevation
K.B. 2398'
D.F. 2397'
G.L. 2387'

Date	2/5/22		
Run Number	One		
Depth Driller	4530'		
Depth Logger	4530'		
Bottom Logged Interval	4508'		
Top Log Interval	3600'		
Casing Driller	8 5/8" @ 215'		
Casing Logger	215'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.5/67		
pH / Fluid Loss	11.0/6.0		
Source of Sample	Pit		
Rm @ Meas. Temp	1.5@65degf		
Rmf @ Meas. Temp	1.2@65degf		
Rmc @ Meas. Temp	1.9@65degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.91@110degf		
Time Circulation Stopped	2:00 P.M.		
Time Logger on Bottom	4:45 P.M		
Maximum Recorded Temperature	110degf		
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

West Of Ness City to J Rd South 3 mi on J Road to 95 Rd, East 1/8 mi. on 95 Rd
North into Location by Tank Batteries and existing Lease Rd

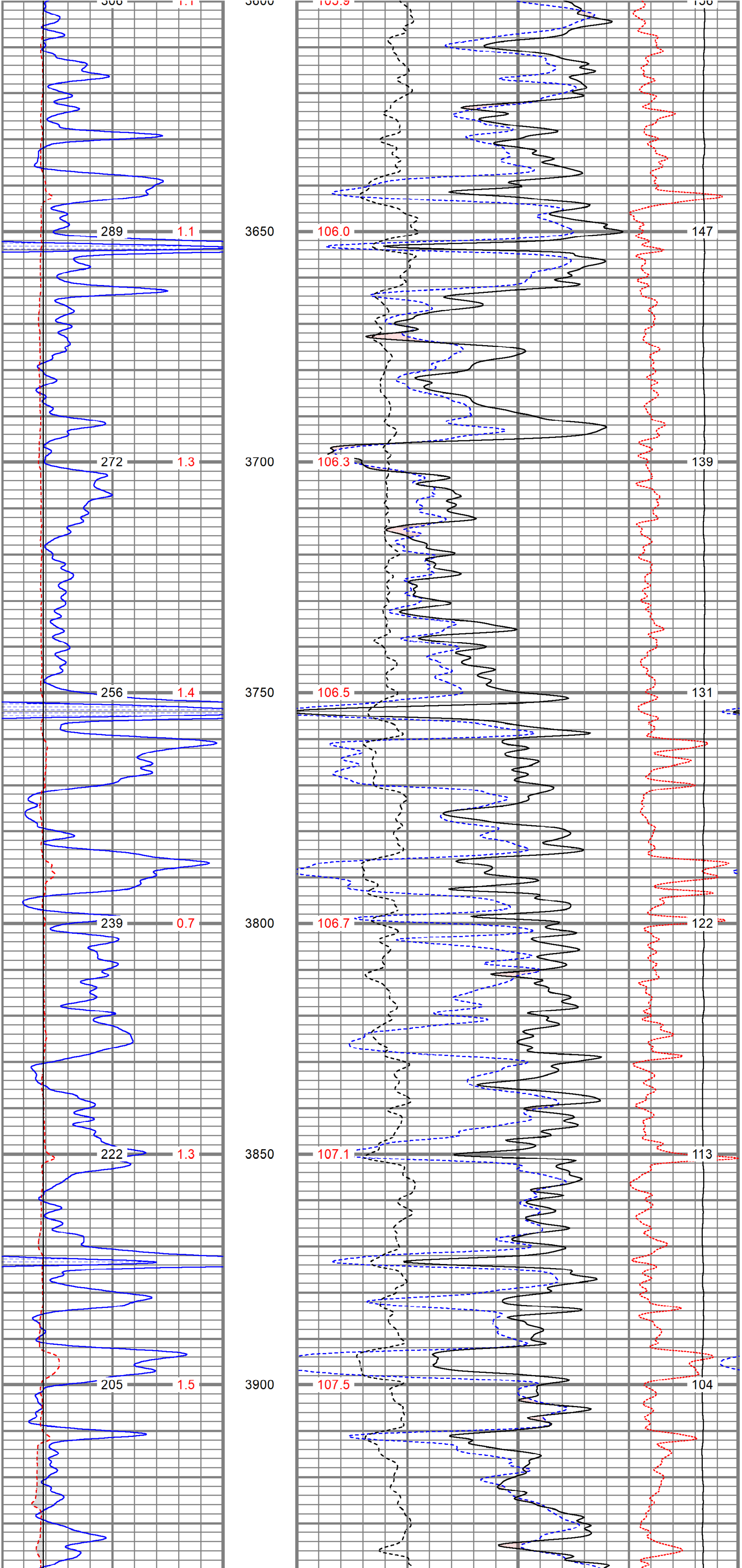
Thank You for using Gemini Wireline LLC
785-625-1182

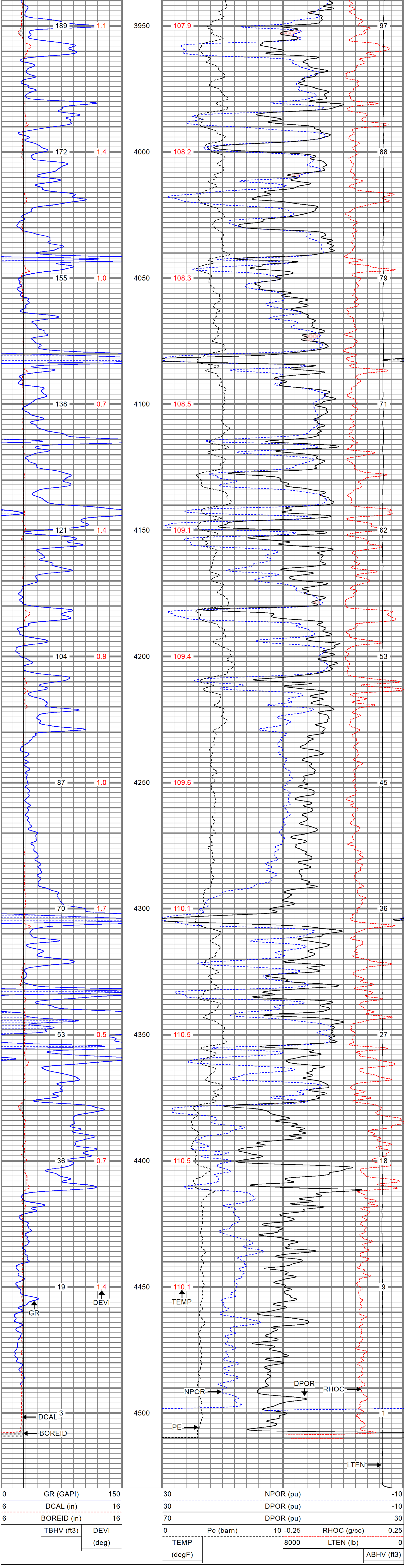
MAIN PASS

Database File	pprebelalliance#1oh.db
Dataset Pathname	pass2.1
Presentation Format	digital_kcdnl
Dataset Creation	Sat Feb 05 17:49:38 2022
Charted by	Depth in Feet scaled 1:240

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

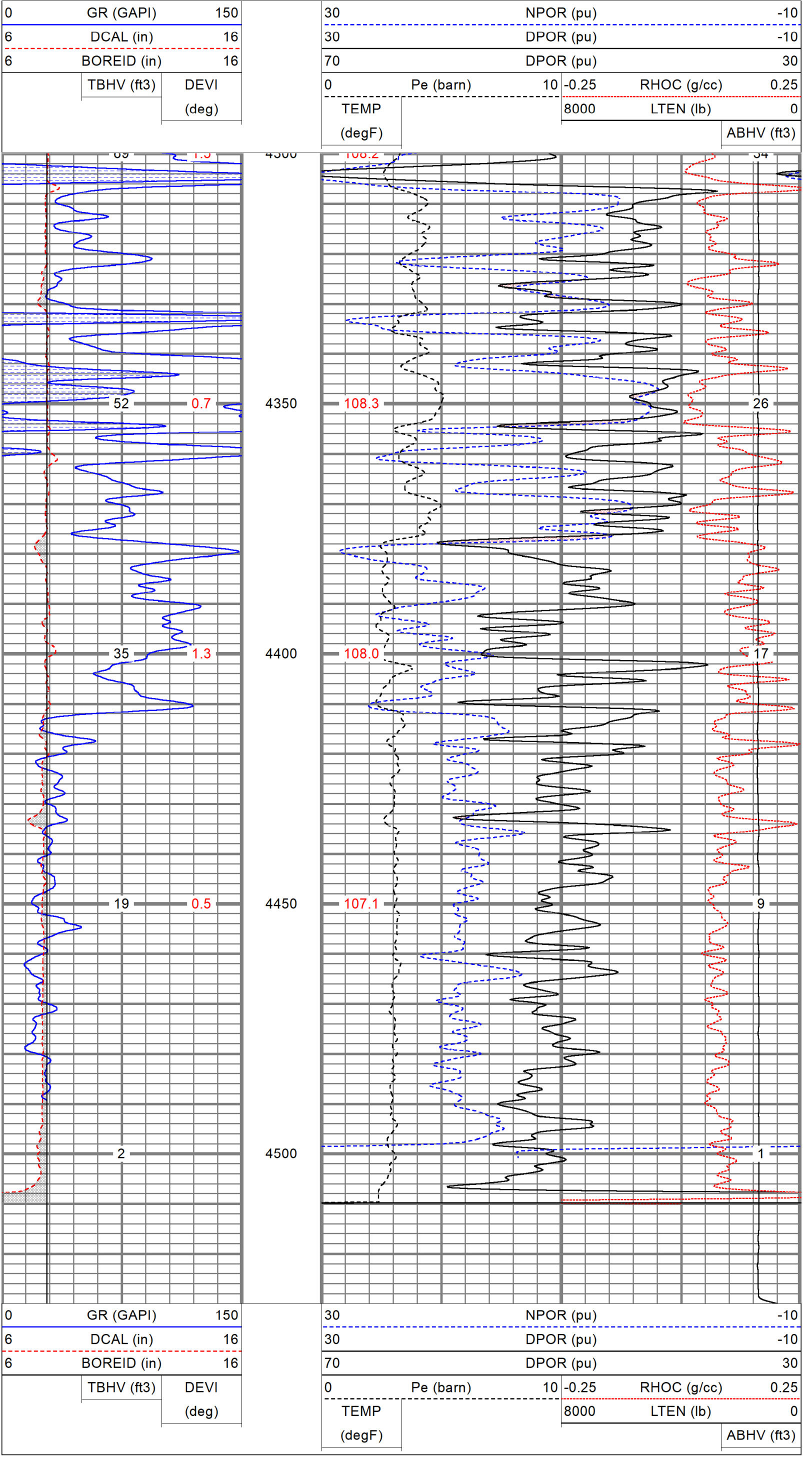
30 NPOR (pu) -10
30 DPOR (pu) -10
70 DPOR (pu) 30
0 Pe (barn) 10 -0.25 RHOC (g/cc) 0.25
TEMP (degF) 8000 LTEN (lb) 0
ABHV (ft3)





REPEAT SECTION

Database File	pprebelalliance#1oh.db
Dataset Pathname	pass1
Presentation Format	digital_kcdnl
Dataset Creation	Sat Feb 05 16:46:40 2022
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	pprebelalliance#1oh.db
Dataset Pathname	pass2.1
Dataset Creation	Sat Feb 05 17:49:38 2022

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

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	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

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	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

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	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

Admyr Lithodensity Calibration Report

Serial-Model:	1C-C
Source:	Blue2
Master Calibration Performed:	Tue Oct 20 08:37:42 2020

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.670	g/cc	6640.15	4353.97	cps
Aluminium	2.640	g/cc	1651.98	2729.31	cps
Aluminium+Sleeve	2.640	g/cc	1651.98	2729.31	cps

Spine Angle = 71.44

Density/Spine Ratio = 0.661

	PE		NLITH	NHARD	
Magnesium	1.900	barn	1410.00	1000.00	cps
Aluminium	2.400	barn	1101.00	918.50	cps
Aluminium+Sleeve	5.000	barn	656.00	951.00	cps

M = 0.448

B = -0.112

R = 0.999

	Size		Reading	
Small Ring	8.30	in	8.61	V
Large Ring	14.30	in	12.40	V

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

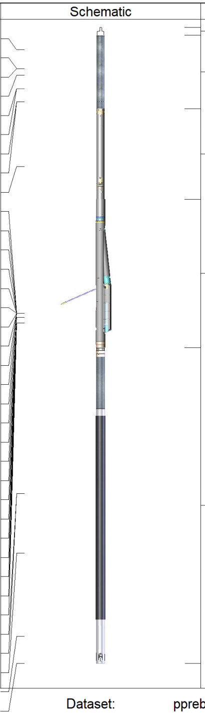
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

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)
GR	38.31
ACCY	37.15
ACCX	37.15
SSTAT	36.73
PSTAT	35.90
ASTAT	35.90
GRD	35.06
TEMP	35.06
NEU	31.03
LSTAT	21.88
LS_HV	21.86
LS8	21.86
LS7	21.86
LS6	21.86
LS5	21.86
NHARD	21.86
LSD	21.86
LS2	21.86
NLITH	21.86
LSV	21.61
DCAL	21.61
SS_HV	21.27
SSV	21.27
SS8	21.27
SS7	21.27
SS6	21.27
SS5	21.27
SS4	21.27
SSD	21.27
SS2	21.27
SS1	21.27
SP	10.60
CILD	10.60
CILM	6.89
RLL3	1.70
TR_Mon	0.00

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb)
CHD-STD	0.50	1.69	1.00
ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
NEU-ADMY5139 (AD5139) Admyer NEU DIGITAL	5.65	3.50	50.00
ADT1LITH-C (1C) Real Time Litho Tool	9.29	3.50	240.00
DIL-ADM (1842) Dual Induction	19.71	4.00	300.00

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