Radial Cement Bond Log Gamma Ray/CCL Temperature

Company	Occidental Petroleum Corp.
Well	Carter 10-32
Field	Wattenberg
County	Wel
State	Colorado
Country	USA

Location: API # : 05-123-33141

NW SE
2321' FSL & 1614' FEL
SEC 32 TWP 2N RGE 66W

Other Services

Permanent Datum	Ground Level	Elevation	4912'
Log Measured From	KB=16'		
Drilling Measured From	Kelly Bushing		

Elevation
K.B. 4928'
D.F. 4927'
G.L. 4912'

Date	31 August 2023
Run Number	One
Depth Driller	7704'
Depth Logger	2629'
Bottom Logged Interval	2629'
Top Log Interval	Surface
Open Hole Size	7.875"
Type Fluid	H2O
Density / Viscosity	~8.3#
Max. Recorded Temp.	109* F
Estimated Cement Top	See Log
Time Well Ready	ROA
Time Logger on Bottom	0755
Equipment Number	8049
Location	Windsor
Recorded By	McDaniel
Witnessed By	Brandon Rivera

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
One	12.25"	KB	916'	2.38"	4.7#	KB	4549'
Two	7.875"	916'	7704'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.63"	24# J-55	KB	860'
Prot. String				
Production String	4.50"	11.6# I-80	KB	7664'
Liner				

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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

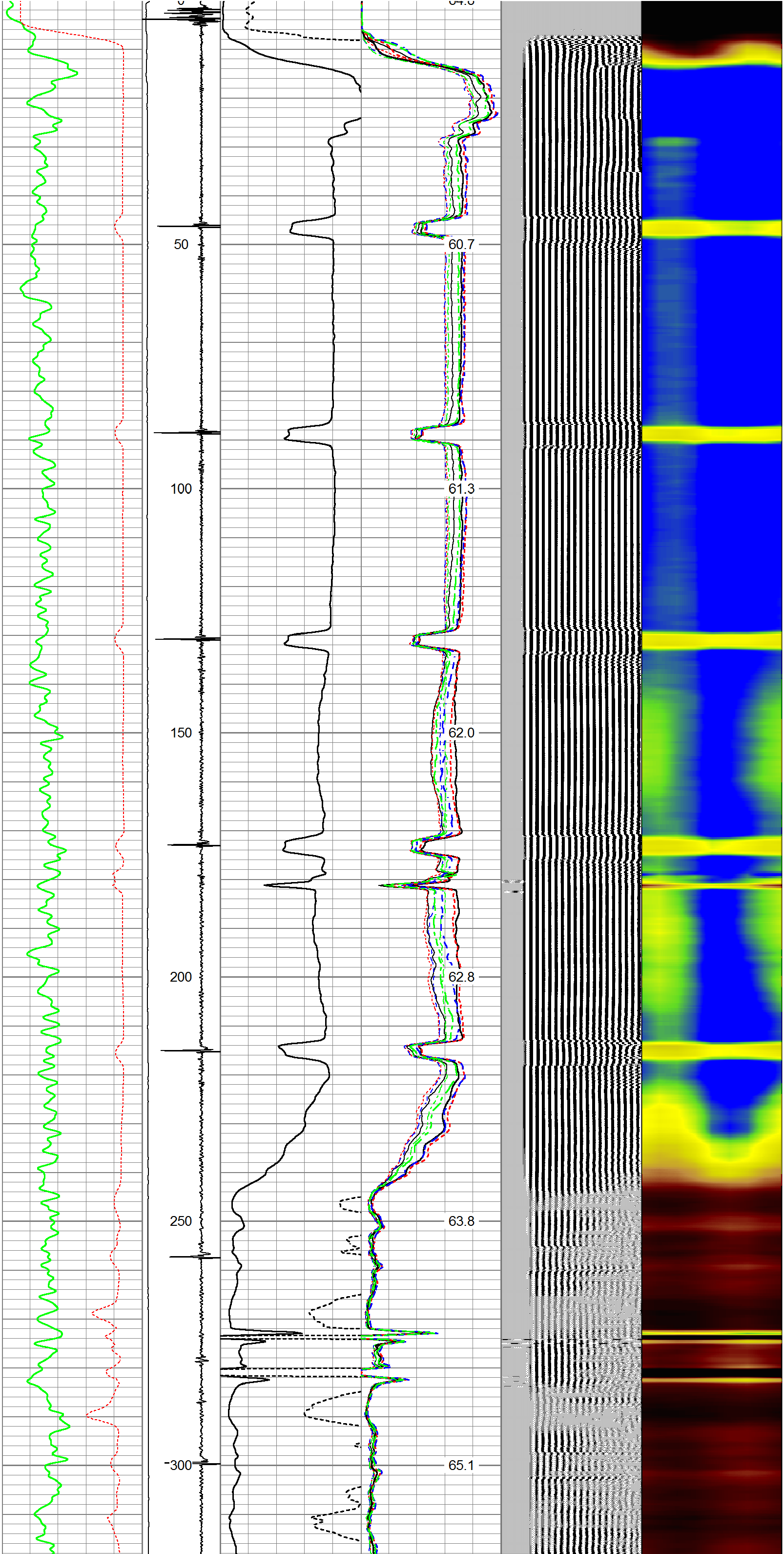
Log not correlated to any other log

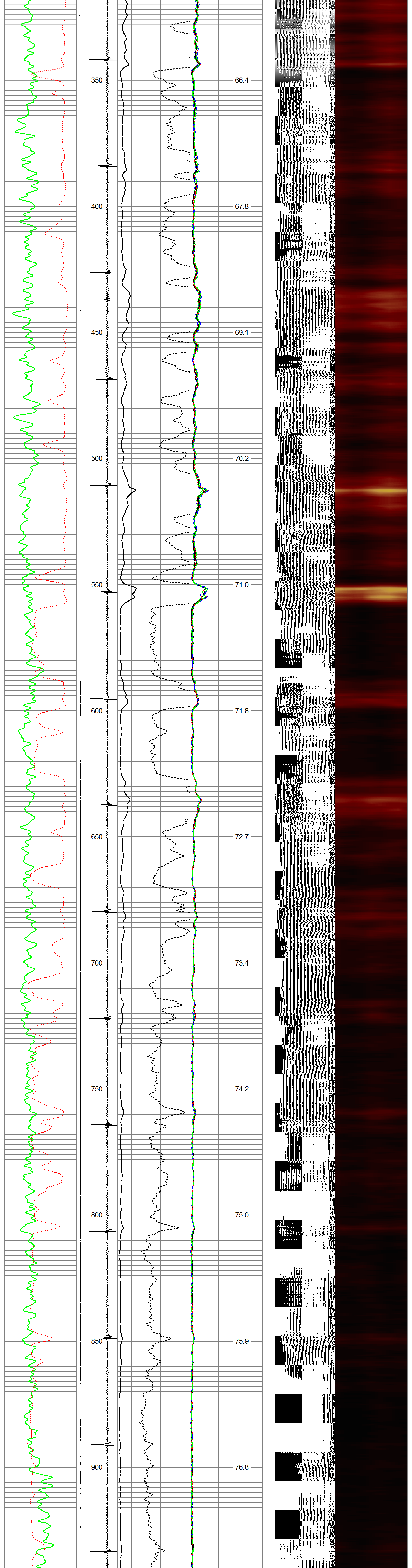
!!!!!!!!!!!!!!! Thank you for choosing The Wireline Group !!!!!!!!!!!!!!!!

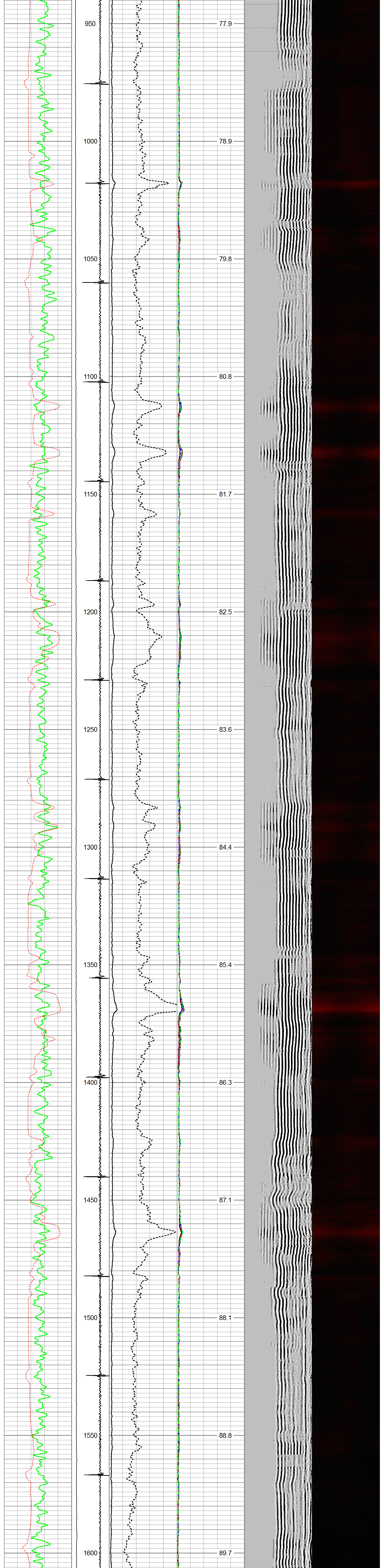
Main Pass 5"=100'

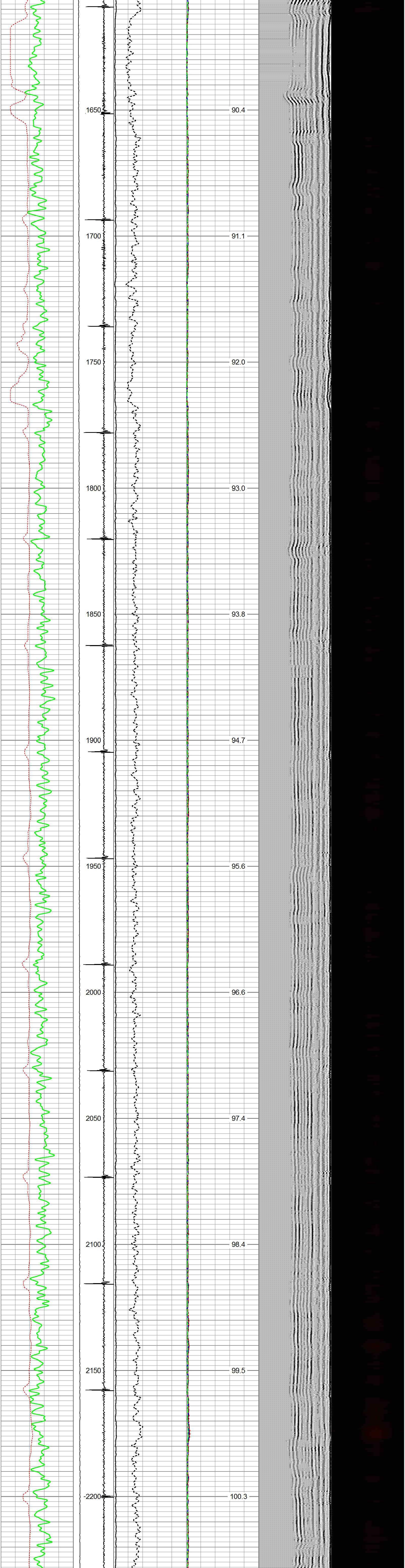
Database File	0512333141_carter10-32_oxy.db
Dataset Pathname	pass12
Presentation Format	prb_rbt8
Dataset Creation	Thu Aug 31 07:58:59 2023
Charted by	Depth in Feet scaled 1:240

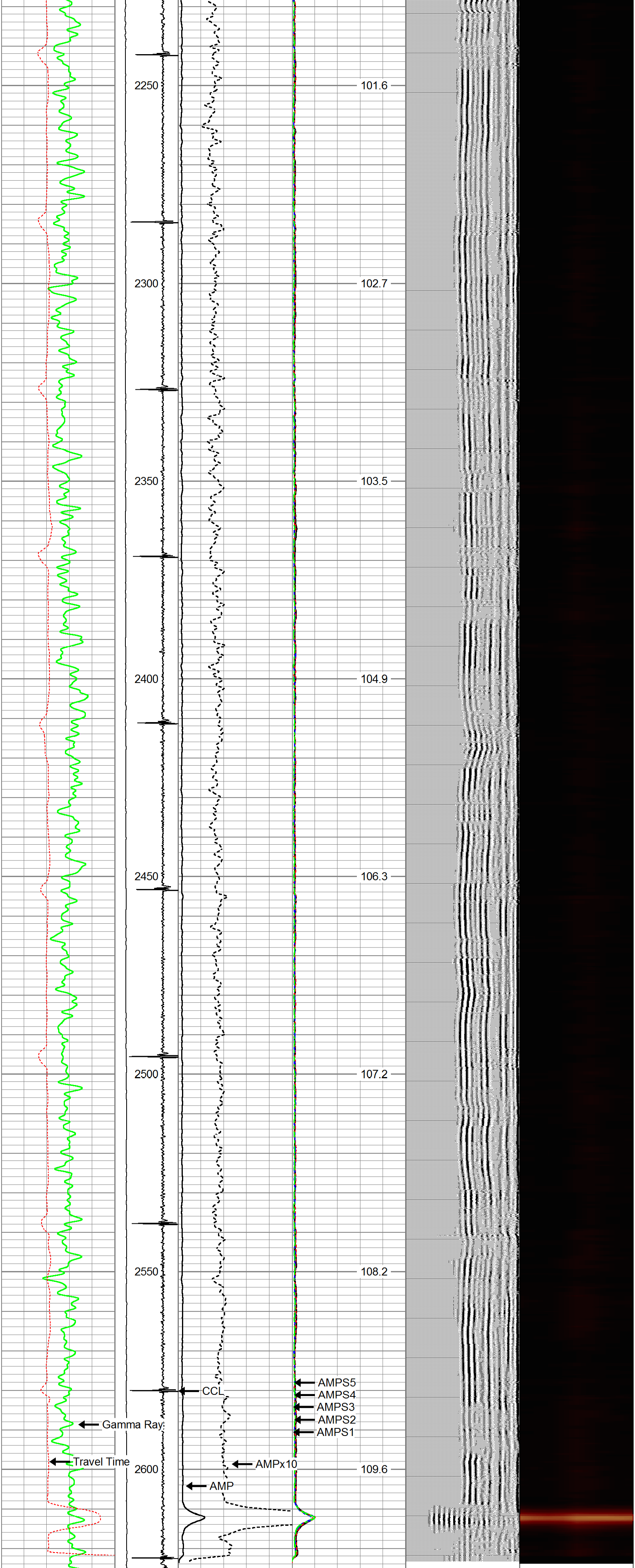
0 GR (GAPI) 200	-3 CCL$1 1	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 Cement Map 8
TT3FT	LTEN	0 AMPx10 (mV) 10	0 AMPS2 150		
328 (usec) 228	0 (lb 3000		0 AMPS3 150		
			0 AMPS4 150		
			0 AMPS5 150		
			0 AMPS6 150		
			0 AMPS7 150		
			0 AMPS8 150		
			GCT_Temp (degF)		











0 GR (GAPI) 200	-3 CCL$1 1	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 Cement Map 8
TT3FT	LTEN	0 AMPx10 (mV) 10	0 AMPS2 150		
328 (usec) 228	0 (lb 3000		0 AMPS3 150		
			0 AMPS4 150		
			0 AMPS5 150		
			0 AMPS6 150		
			0 AMPS7 150		
			0 AMPS8 150		
			GCT_Temp (degF)		

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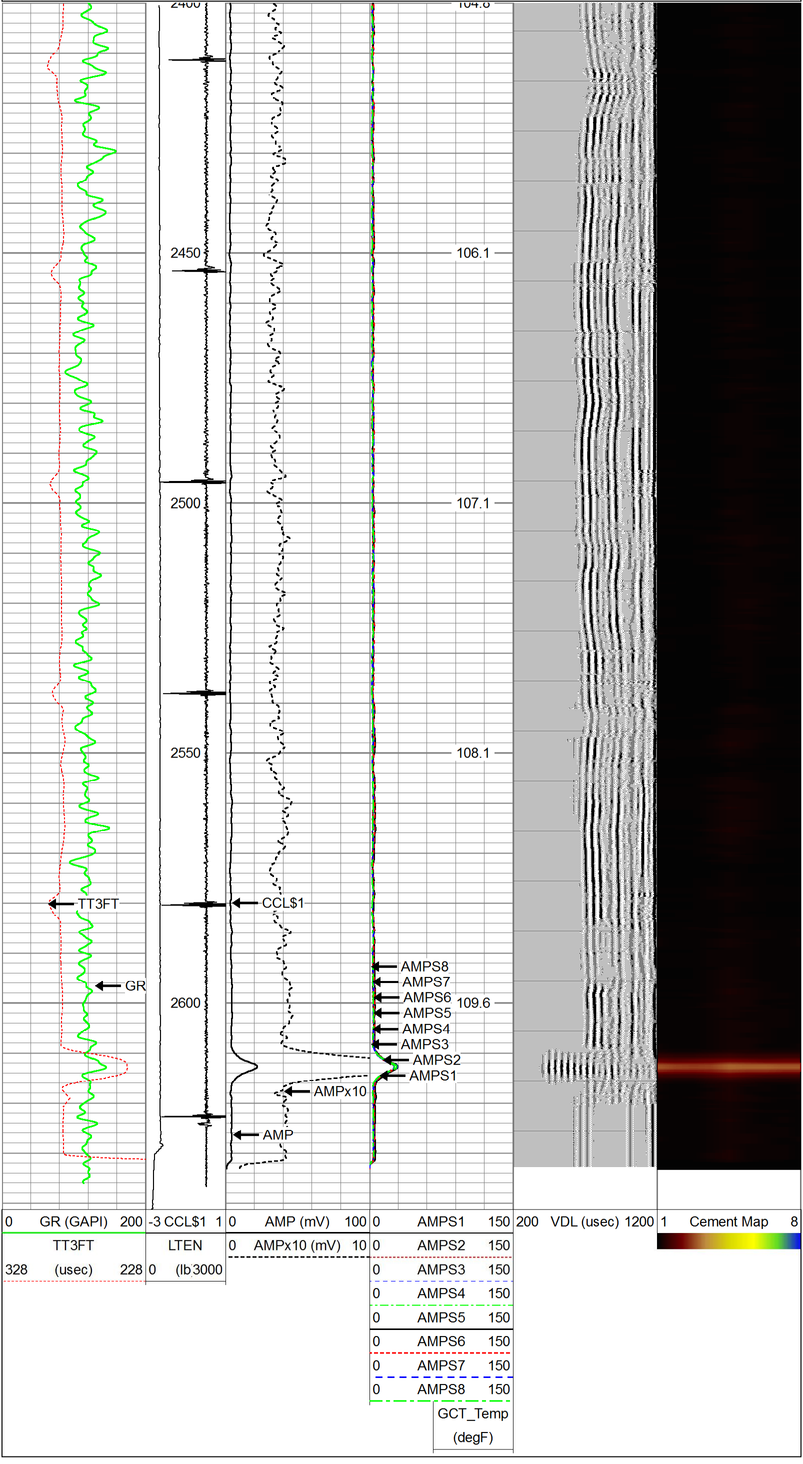
Repeat Pass 5"=100'

Database File	0512333141_carter10-32_oxy.db
Dataset Pathname	pass10
Presentation Format	prb_rbt8
Dataset Creation	Thu Aug 31 07:52:05 2023
Charted by	Depth in Feet scaled 1:240

0 GR (GAPI) 200	-3 CCL$1 1	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 Cement Map 8
TT3FT	LTEN	0 AMPx10 (mV) 10	0 AMPS2 150		
328 (usec) 228	0 (lb 3000		0 AMPS3 150		
			0 AMPS4 150		
			0 AMPS5 150		
			0 AMPS6 150		
			0 AMPS7 150		
			0 AMPS8 150		
			GCT_Temp (degF)		



Calibration Report

Database File	0512333141_carter10-32_oxy.db
Dataset Pathname	pass12
Dataset Creation	Thu Aug 31 07:58:59 2023

Gamma Ray Calibration Report

Serial Number:	110255	
Tool Model:	GCT275-0001	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Inclinometer Calibration Report

Performed: (Not Performed)

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number:	1311-19_4.5	
Tool Model:	Probe275acc	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	209.440	ft

Master Calibration, performed Thu Aug 31 07:35:47 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.497	1.000	81.196	161.362	1.000
CAL	-0.014	0.975				
5'	0.000	0.506	1.000	81.196	158.450	1.000
SUM						
S1	0.000	0.494	0.000	100.000	202.497	-0.000
S2	0.000	0.508	0.000	100.000	197.042	-0.000
S3	0.000	0.526	0.000	100.000	189.977	-0.000
S4	0.000	0.522	0.000	100.000	191.407	-0.000
S5	0.000	0.511	0.000	100.000	195.653	-0.000
S6	0.000	0.508	0.000	100.000	196.914	-0.000
S7	0.000	0.477	0.000	100.000	209.681	-0.000
S8	0.000	0.478	0.000	100.000	209.354	-0.000

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.014	0.975	1.000	0.000

Air Zero Calibration, performed Thu Aug 31 07:32:04 2023:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

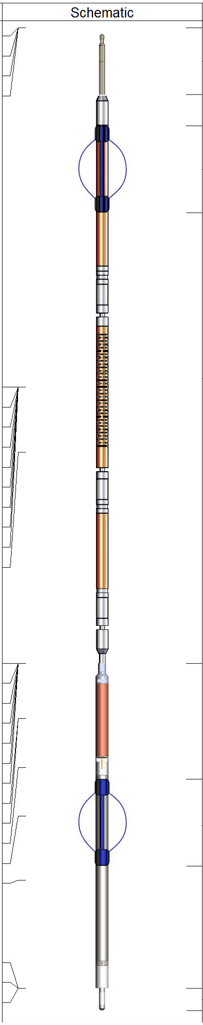
Inclinometer Calibration Report

Performed: (Not Performed)

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)
GCT_FMWR	15.13
mSec_Count	15.13
RBT_Status	15.13
Error_Ct	15.13
WVFS8	9.59
WVFS7	9.59
WVFS6	9.59
WVFS5	9.59
WVFS4	9.59
WVFS3	9.59
WVFS2	9.59
WVFS1	9.59
WVF3FT	9.59
WVF5FT	8.59
RBT_HV	5.34
RBT_ACCZ	5.34
RBT_ACCY	5.34
RBT_ACCX	5.34
GCT_HV	5.34
WVFSYNC	5.34
WVFCAL	5.34
CCL$2	4.49
CCL$1	4.49
GCT_Temp	3.74
GR	2.99
GCT_IntTemp	2.00
GCT_ACCZ	0.33
GCT_ACCY	0.33
GCT_ACCX	0.33

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb
Cable Head-Titan_144 1 7/16" Titan Cable Head	1.03	1.44	2.00
SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
RBT8acc-Probe275acc (1311-19_4.5) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
GCacc-GCT275-0001 (110255) Probe 2.75" 6 Pin Gamma Ray - CCL w/ Temp	5.01	2.75	55.00
Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00

Dataset:	0512333141_carter10-32_oxy.db: field/well/run1/pass12
Total length:	15.13 ft
Total weight:	198.00 lb
O.D.:	3.25 in

Company	Occidental Petroleum Corp.		
Well	Carter 10-32		
Field	Wattenberg		
County	Wel	State	Colorado

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Bond Log
Gamma Ray/CCL