NEXTIER
COMPLETION SOLUTIONS

SECTOR BOND LOG
GAMMA RAY -C.C.L.
CEMENT BOND - V.D.L.

Company NOBLE ENERGY PRODUCTIN
Well PERKINS USX Y 7-17
Field WATTENBERG
County WELD
State COLORADO

Company	**NOBLE ENERGY PRODUCTIN**
Well	**PERKINS USX Y 7-17**
Field	**WATTENBERG**
County	**WELD**
State	**COLORADO**

Location:

API # :

C NE/4

SEC 7 TWP 2N RGE 64W

Permanent Datum K.B. Elevation 4878
Log Measured From K.B.
Drilling Measured From K.B.

Other Services

Elevation
K.B. 4888
D.F. 4887
G.L. 4878

Date	MARCH 26-2020		
Run Number	ONE		
Depth Driller	7730		
Depth Logger	1022		
Bottom Logged Interval	1021		
Top Log Interval	-0-		
Casing Size	4 1/2		
Type Fluid			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger On Bottom			
Unit Number	200128		
Tool Size / ID Number	2.75 PROBE RADIAL		
Location	FT.LUPTON		
Recorded By	R.GARDNER		
Witnessed By	TOM DUNN		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4 1/2	10.5	surface	7730
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

Calibration Report

Database File: perkins-usx y 7-17.db
Dataset Pathname: pass4
Dataset Creation: Thu Mar 26 14:34:55 2020 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Thu Oct 17 07:40:29 2019

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.1000			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number:	101024	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	435.217	ft

Master Calibration, performed Thu Mar 26 14:29:07 2020:

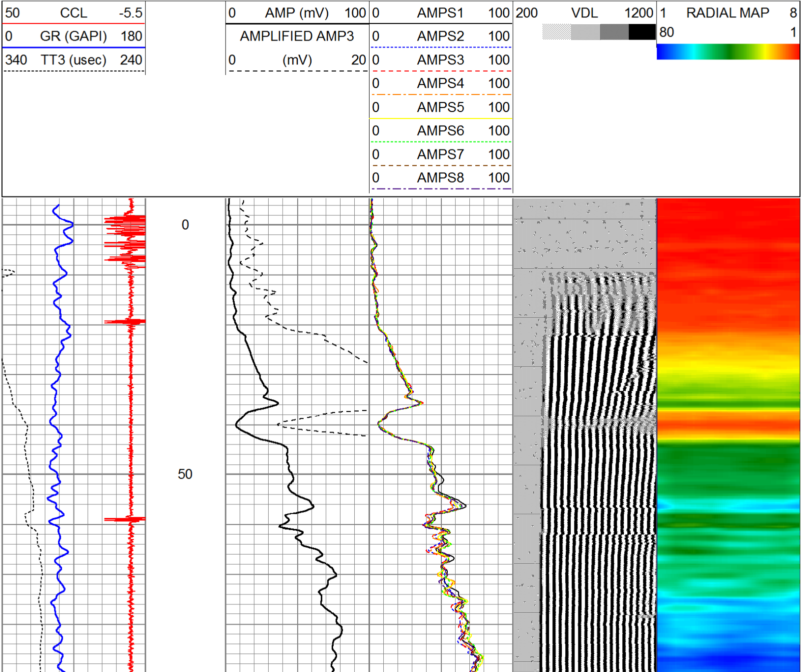
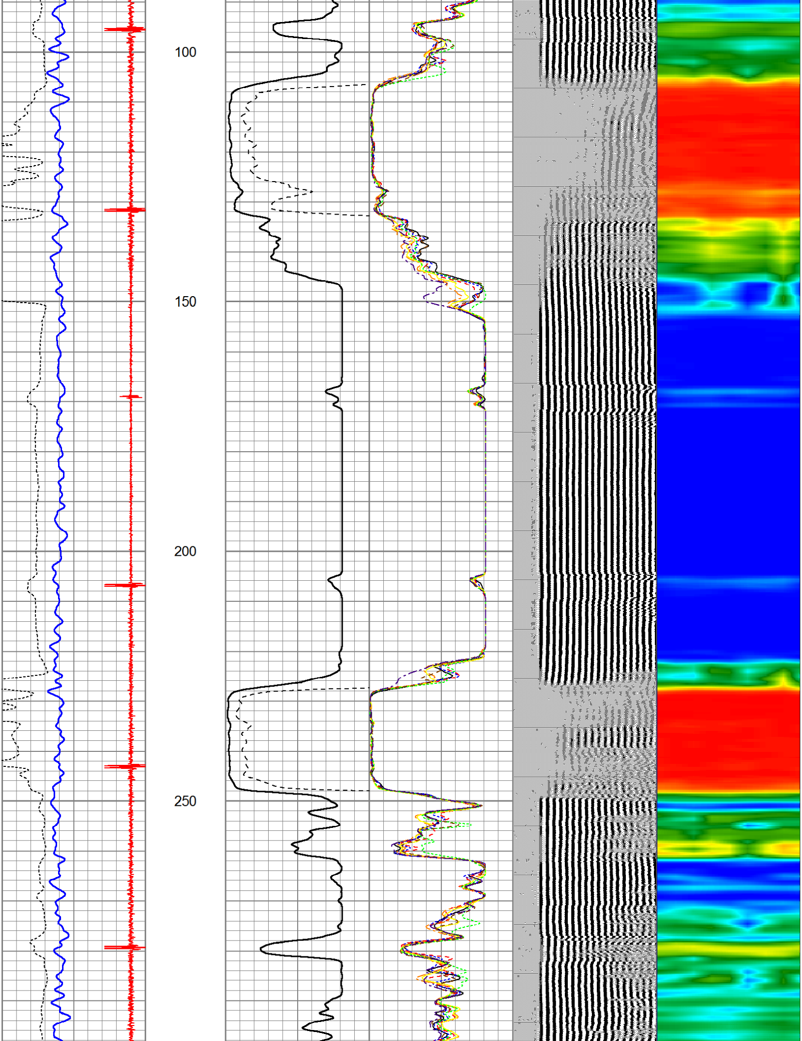
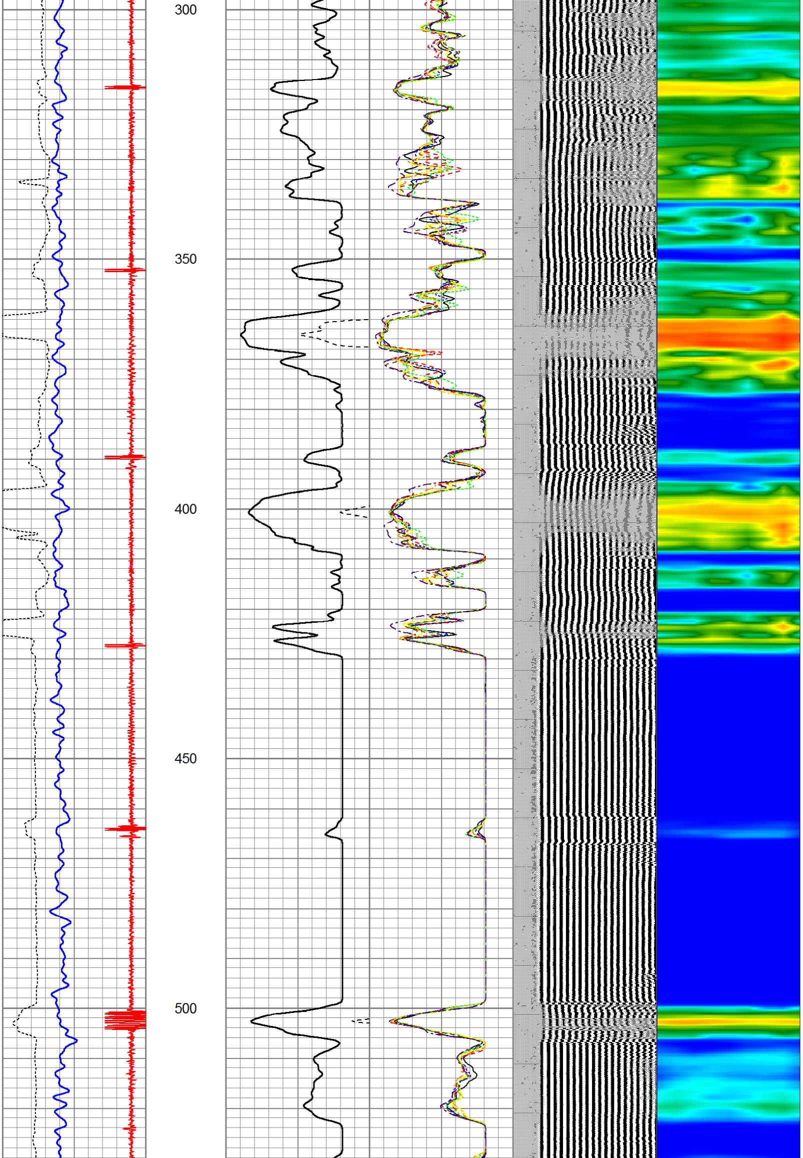
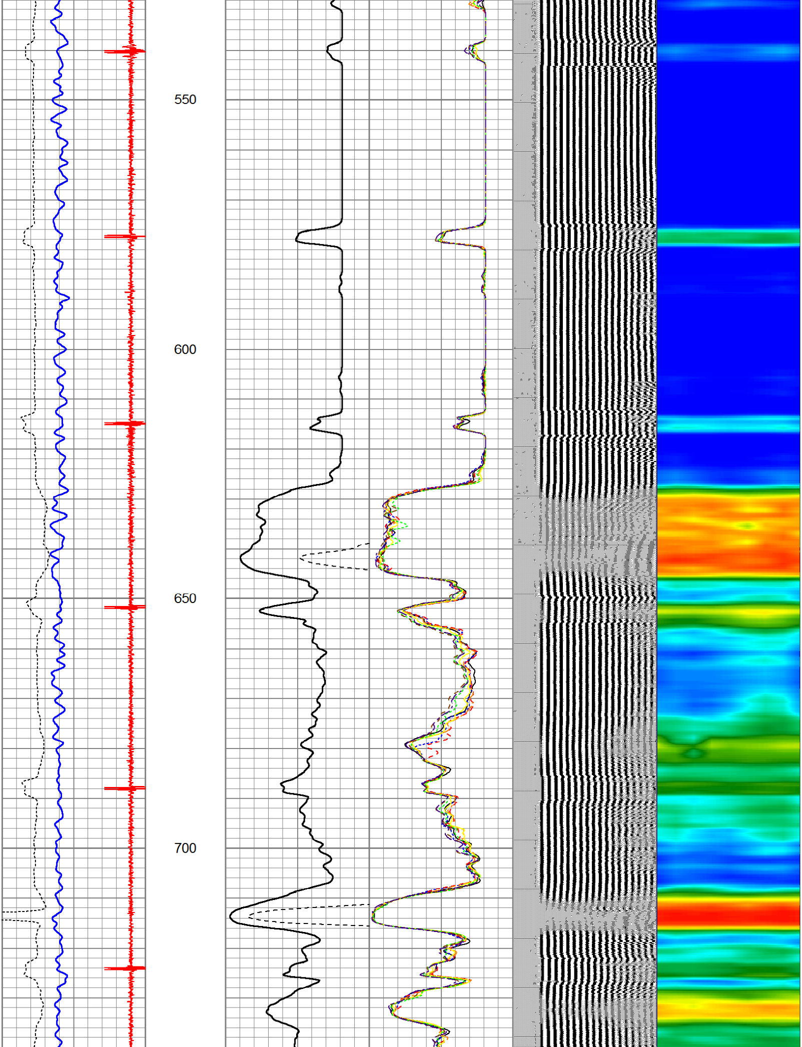
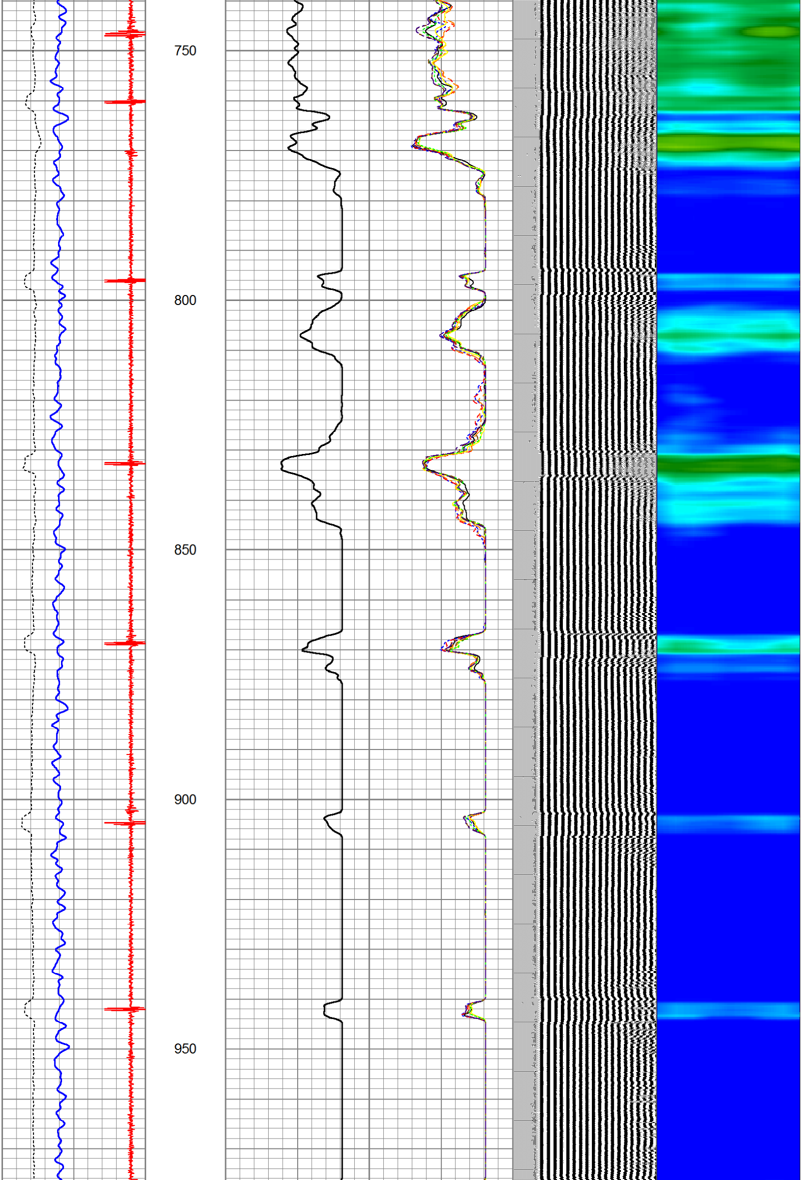
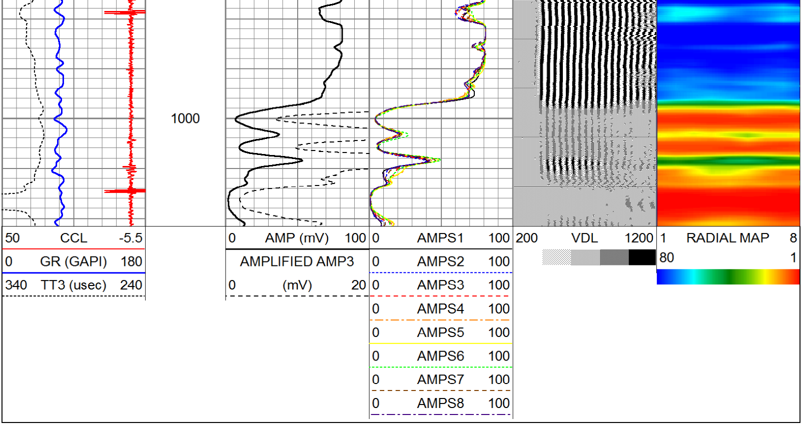
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	2.500	0.800	81.196	32.163	0.789
CAL	0.000	0.002				
5'	0.000	2.500	0.800	81.196	32.162	0.791
SUM						
S1	0.001	2.500	0.000	81.196	32.486	-0.018
S2	0.000	2.500	0.000	81.196	32.482	-0.008
S3	0.001	2.500	0.000	81.196	32.487	-0.020
S4	0.000	2.500	0.000	81.196	32.481	-0.007
S5	0.000	2.500	0.000	81.196	32.481	-0.005
S6	0.001	2.500	0.000	81.196	32.485	-0.017
S7	0.000	2.500	0.000	81.196	32.481	-0.008
S8	0.001	2.500	0.000	81.196	32.485	-0.017

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.002	1.000	0.000

Air Zero Calibration, performed Fri Aug 02 12:48:57 2019:

	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

Database File:	perkins-usx y 7-17.db
Dataset Pathname:	pass4
Presentation Format:	zwag
Dataset Creation:	Thu Mar 26 14:34:55 2020 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240