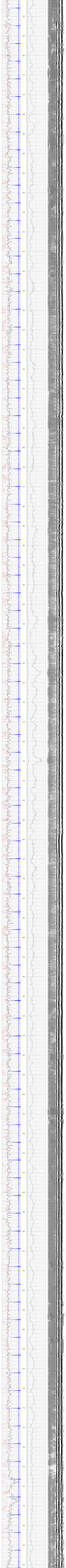
Schlumberger

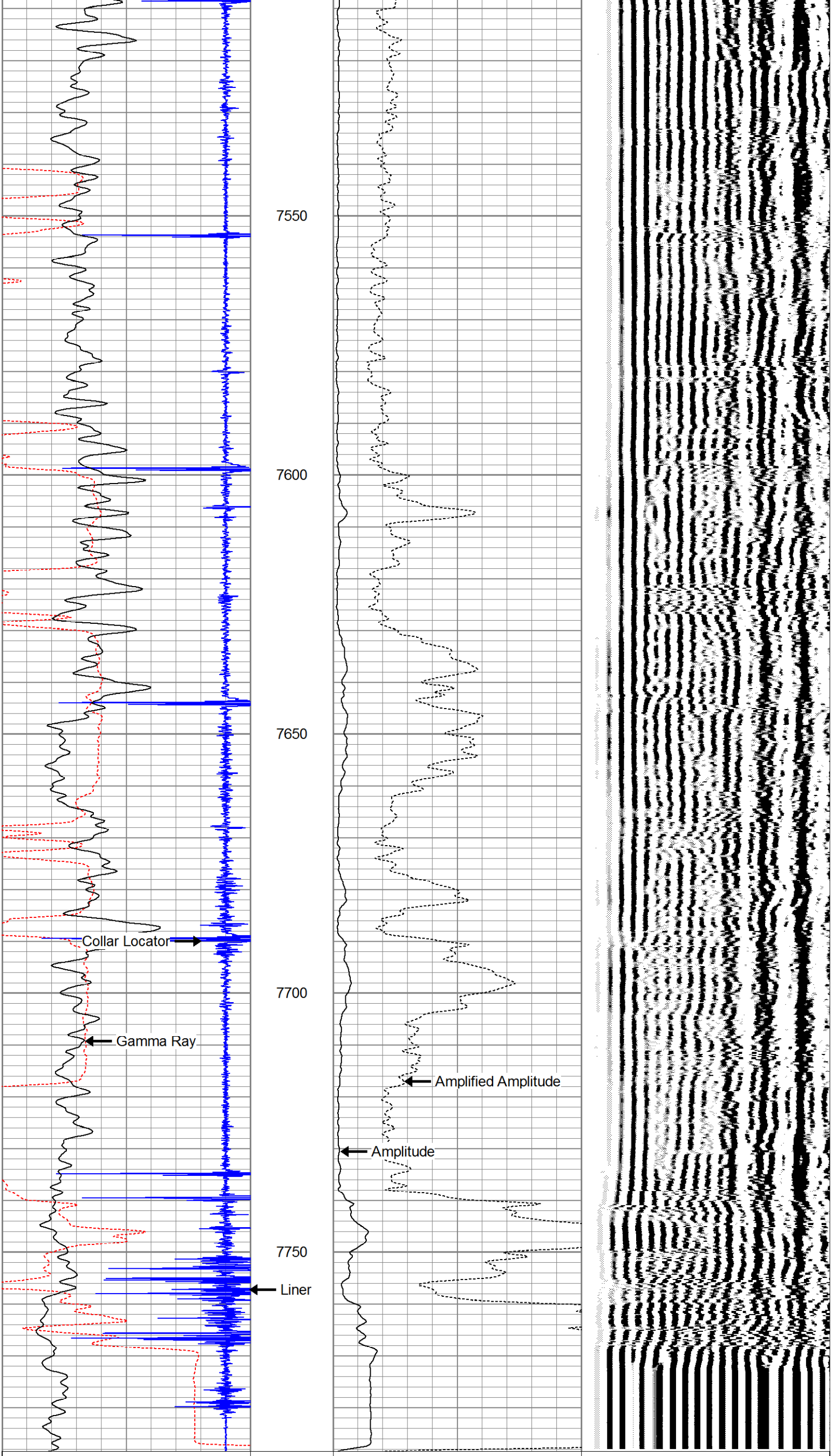
Platform Express
AIT-H Array Induction Imager Tool
HNGS Hostile Natural Gamma Ray Sonde
HLDS Hostile Lithology Density Sonde
APS Accelerator Porosity Sonde
HRLA High Resolution Laser Array

Run 1
Run 2
Run 3

Run No.
Depth Driller
Schlumberger Depth
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Schlumberger
Bit Size
Type Fluid in Hole
Density / Viscosity
PH / Fluid Loss
Source of Sample
Rm @ Meas. Temp
Rmf @ Meas. Temp
Rmc @ Meas. Temp
Source of Rmf / Rmc
Rm @ BHT
Time Since Circulation
Time on Bottom
Max. Recorded Temp.
Equip. Location
Recorded By
Witnessed By

1
1
1





Calibration Report

Database File: phelps_a_32c_synergy.db
Dataset Pathname: pass6
Dataset Creation: Thu Jun 12 14:45:43 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	111211	
Tool Model:	Probe	
Performed:	Sun Jun 01 16:54:18 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	Base	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	173.442	ft

Master Calibration, performed Thu Jun 12 10:28:27 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.011	0.686	2.000	81.196	113.708	3.232
CAL	-0.002	1.047				
5'	-0.016	0.574	2.000	81.196	134.112	4.164
SUM						
S1	-0.011	0.708	0.000	95.000	132.276	1.410
S2	-0.007	0.706	0.000	95.000	133.259	0.931
S3	-0.007	0.691	0.000	95.000	136.243	0.906
S4	-0.007	0.694	0.000	95.000	135.378	1.005
S5	-0.007	0.687	0.000	95.000	136.955	0.949
S6	-0.008	0.697	0.000	95.000	134.917	1.022
S7	-0.007	0.695	0.000	95.000	135.387	0.888
S8	-0.006	0.696	0.000	95.000	135.313	0.776

Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.002	1.047	1.000	0.000

Air Zero Calibration, performed Thu May 08 15:48:13 2014:

	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

PIONEER
Pioneer Energy Services

Company	SYNERGY RESOURCES
Well	PHELPS A-32C
Field	WATTENBERG
County	WELD
State	CO