Company	HIGHPOINT RESOURCES
Well	AEF FED 05-61-34-5649B
Field	BRIGGSDALE
County	WELD
State	CO

RCBL
GAMMA RAY / CCL

Company HIGHPOINT RESOURCES
Well AEF FED 05-61-34-5649B
Field BRIGGSDALE
County WELD State CO
Location: API #: 05-123-48183
NESE
1685' FSL & 270' FEL
SEC 34 TWP 5N RGE 61W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4479.6'
Log Measured From KB 16.5'
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4496.1'
D.F. --
G.L. 4479.6'

Date	11-19-2019
Run Number	ONE
Depth Driller	15,963.3'
Depth Logger	NA
Bottom Logged Interval	6050'
Top Log Interval	SURFACE
Open Hole Size	6.125"
Type Fluid	H2O
Density / Viscosity	8.3 / H2O
Max. Recorded Temp.	NR
Estimated Cement Top	SEE LOG
Time Well Ready	0700
Time Logger on Bottom	0730
Equipment Number	216
Location	GREELEY, CO
Recorded By	S. KERBY
Witnessed By	RAY LYNCH

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36#	SURFACE	1011.5'
Prot. String	7"	23#	SURFACE	6294.6'
Production String	4.5"	11.6#	SURFACE	15,963.3'
Liner				

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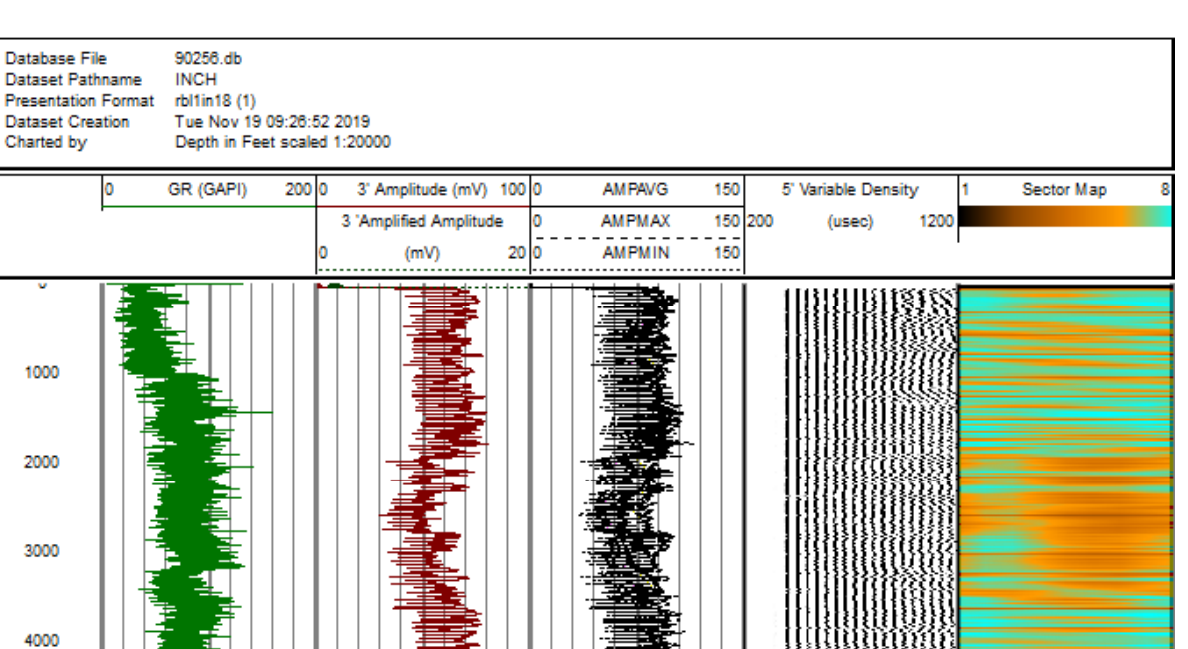
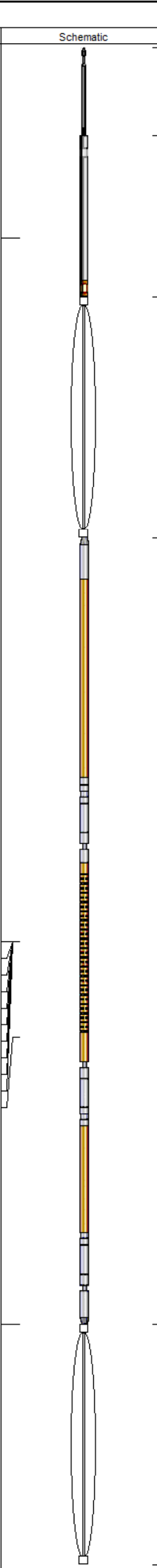
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 S

Comments

INFORMATION PROVIDED BY COMPANY
REPRESENTATIVE

Database File 90256.db
Dataset Pathname INCH
Presentation Format rbl1in18 (1)
Dataset Creation Tue Nov 19 09:26:52 2019
Charted by Depth in Feet scaled 1:20000



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD Standard Cable Head	1.00	1.44	1.00
CCL	18.71		CCL-tecko (3.125tekco) 3.125 logging ccl	1.83	3.13	20.00
			CENT-tekco	2.73	2.75	50.00
WVFS8 WVFS7 WVFS6 WVFS5 WVFS4 WVFS3 WVFS2 WVFS1 WVFCAL WVF3FT WVF5FT	10.73 10.73 10.73 10.73 10.73 10.73 10.73 10.73 10.73 10.73 9.65		RBT-Probe (DD1) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
HEADVOLT	6.40					
			CENT-tekco	2.73	2.75	50.00
GR	1.13		GR-probe 2.75 (DA1)	3.67	2.75	100.00

Dataset: 90256.db: field/well/run1/pass5
Total length: 20.88 ft
Total weight: 311.00 lb
O.D.: 3.13 in

Calibration Report

Database File 90256.db
Dataset Pathname pass5
Dataset Creation Tue Nov 19 07:39:53 2019

Gamma Ray Calibration Report

Serial Number:	DA1	
Tool Model:	probe 2.75	
Performed:	Tue Dec 15 12:23:42 2015	
Calibrator Value:	200.0	GAPI
Background Reading:	39.6	cps
Calibrator Reading:	259.2	cps
Sensitivity:	0.9108	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	DD1	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	539.762	ft

Master Calibration, performed Fri Nov 15 07:39:03 2019:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.009	0.682	1.500	81.196	118.383	0.409
CAL	0.013	0.991				
5'	0.009	0.647	1.500	81.196	124.920	0.390
SUM						
S1	0.010	0.678	0.000	100.000	149.659	-1.483
S2	0.010	0.678	0.000	100.000	149.668	-1.493
S3	0.010	0.680	0.000	100.000	149.352	-1.544
S4	0.010	0.677	0.000	100.000	149.938	-1.523
S5	0.009	0.677	0.000	100.000	149.724	-1.407
S6	0.009	0.679	0.000	100.000	149.276	-1.328
S7	0.009	0.678	0.000	100.000	149.484	-1.292
S8	0.009	0.679	0.000	100.000	149.265	-1.339

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.013	0.991	1.000	0.000

Air Zero Calibration, performed Tue Nov 19 07:03:34 2019:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.006	0.000	0.003
5'	0.019	0.000	-0.011
SUM			
S1	0.016	0.000	-0.006
S2	0.009	0.000	0.001
S3	0.007	0.000	0.004
S4	0.008	0.000	0.003
S5	0.005	0.000	0.005
S6	0.007	0.000	0.002
S7	0.005	0.000	0.004
S8	0.008	0.000	0.001

MAIN PASS 0 PSI

Database File 90256.db
Dataset Pathname pass5
Presentation Format rbl
Dataset Creation Tue Nov 19 07:39:53 2019
Charted by Depth in Feet scaled 1:240

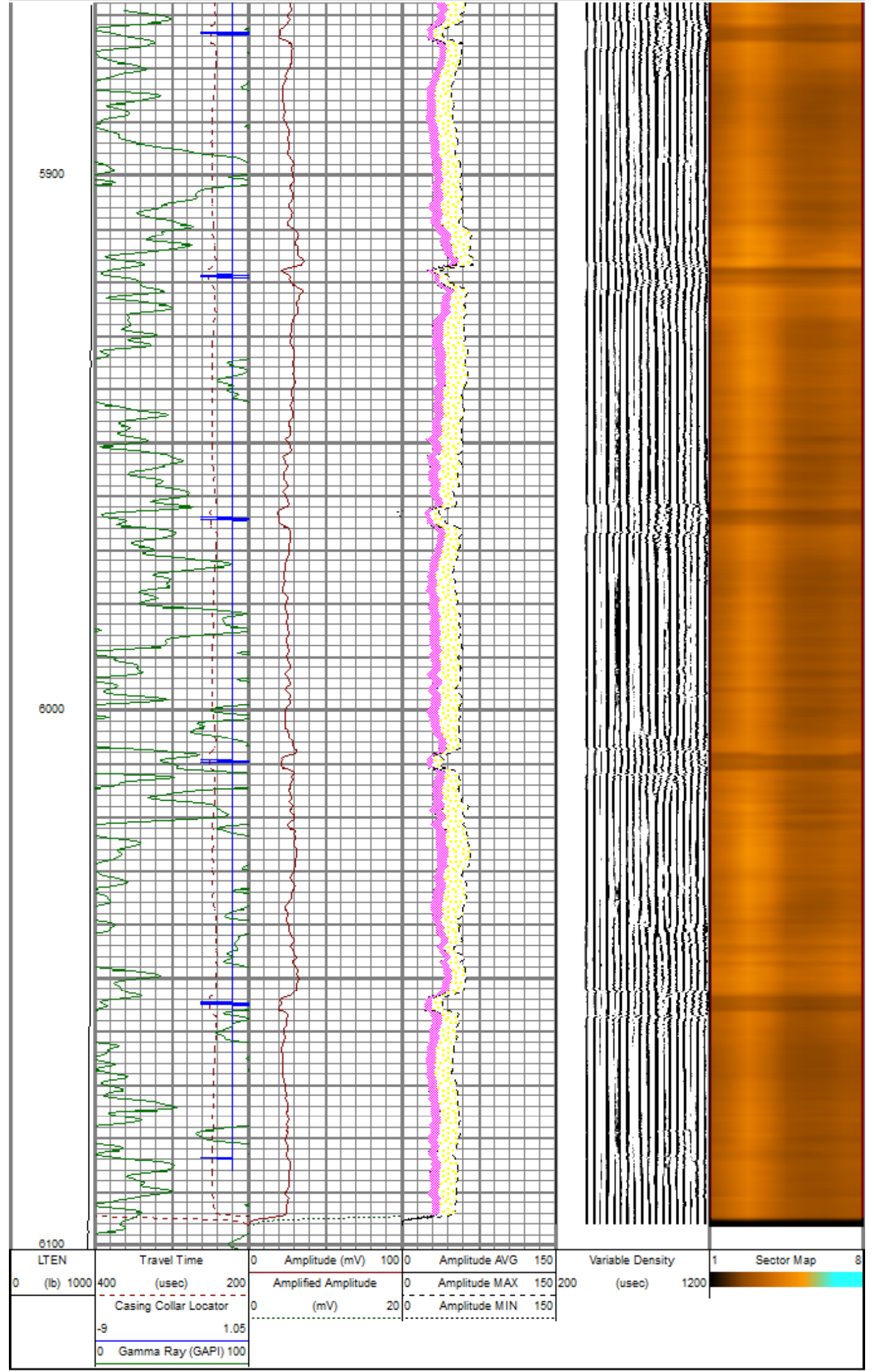
LTEN	Travel Time	Amplitude (mV)	Amplitude AVG	Variable Density	Sector Map
0 (lb) 1000	400 (usec) 200	0 Amplitude (mV) 100	0 Amplitude AVG 150	200 (usec) 1200	1 Sector Map 8
	Casing Collar Locator	Amplified Amplitude	0 Amplitude MAX 150		
	-9 1.05	0 (mV) 20	0 Amplitude MIN 150		
	0 Gamma Ray (GAPI) 100				

GO WIRELINE LLC MAIN PASS 0 PSI

GO WIRELINE LLC REPEAT PASS 0 PSI

Database File	90256.db
Dataset Pathname	pass4
Presentation Format	rbl
Dataset Creation	Tue Nov 19 07:35:13 2019
Charted by	Depth in Feet scaled 1:240

LTEN	Travel Time	Amplitude (mV)	Amplitude AVG	Variable Density	Sector Map
0 (lb) 1000	400 (usec) 200	0 Amplitude (mV) 100	0 Amplitude AVG 150	200 (usec) 1200	1 Sector Map 8
	Casing Collar Locator	Amplified Amplitude	0 Amplitude MAX 150		
	-9 1.05	0 (mV) 20	0 Amplitude MIN 150		
	0 Gamma Ray (GAPI) 100				



LTEN	Travel Time	Amplitude (mV)	Amplitude AVG	Variable Density	Sector Map
0 (lb) 1000	400 (usec) 200	0 Amplitude (mV) 100	0 Amplitude AVG 150	200 (usec) 1200	1 Sector Map 8
	Casing Collar Locator	Amplified Amplitude	0 Amplitude MAX 150		
	-9 1.05	0 (mV) 20	0 Amplitude MIN 150		
	0 Gamma Ray (GAPI) 100				

GO WIRELINE LLC REPEAT PASS 0 PSI