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CEMENT BOND LOG

Company Extraction Oil and Gas
Well Jesser 3E-10-11N
Field Wattenberg
County Weld
State Colorado

Company	Extraction Oil and Gas
Well	Jesser 3E-10-11N
Field	Wattenberg
County	Weld
State	Colorado
API #:	05 123 45664
Location:	NW/SW 2314 FSL 556 FWL
SEC:	3
TWP:	4N
RGE:	68W
Other Services	
Elevation	K.B. 5140 D.F. 5139 G.L. 5111
Permanent Datum:	Ground Level
Elevation:	5111
Log Measured From:	Kelly Bushing , 29 ft. above Permanent Datum.
Drilling Measured From:	Kelly Bushing
Date	16 January 2018
Run Number	ONE
Plug Back T.D. Driller	----
Plug Back T.D. Logger	----
Bottom Logged Interval	7145
Top Log Interval	Surface
Type Fluid	Water
Density / Viscosity	----
Max. Recorded Temp.	222
Time Logger on Bottom	10:15
Equipment Number	GD 114
Location	Casper
Recorded By	GS Yarbro
Witnessed By	Mr. Siegel Mr. Holgate

Casing Record Size	Weight	From	To
9 5/8	36	29	1500
5 1/2	20	29	11738

Tubing Record Size	Weight	From	To

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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.

Ticket # : RM0118PCBW163
Your Crew Today: KEnnicker, Adams
Log Correlated to: Surface

Cement Data	
Date Cemented	----
Primary / Squeeze	Primary
Type / Weight	----
Main Pass Press.	Zero
Repeat Pass Press.	Zero

Bond Index

Index %	Est Top Depth
20 % Bond	94
40 % Bond	170
60 % Bond	446
80 % Bond	1405
100 % Bond	4626

Comments

Estimared Top of Cement
(20% Bond Index) @ 94'

Thank you for using Gyrodata

Eric Regnier: Rocky Mountain Wireline Manager EricR@Gyrodata.com

Log Variables

Databased:\warrior\data\20180116_extraction_jesser 3e-10-11n_cbl\20180116_extraction_jesser 3e
Dataset field/well/run1/Main.2/_vars_

Top - Bottom

BHTEMP_Src	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	CASEWGHT lb/ft	MAXAMPL mV	MaxAPIID in
TEMP	8.5	100	5.5	0.361	20	71.9	4.923

MaxAPIWall in	MINAMPL mV	MinAPIID in	MINATTN db/ft	PPT usec
0.361	1.9	4.751	0.8	239

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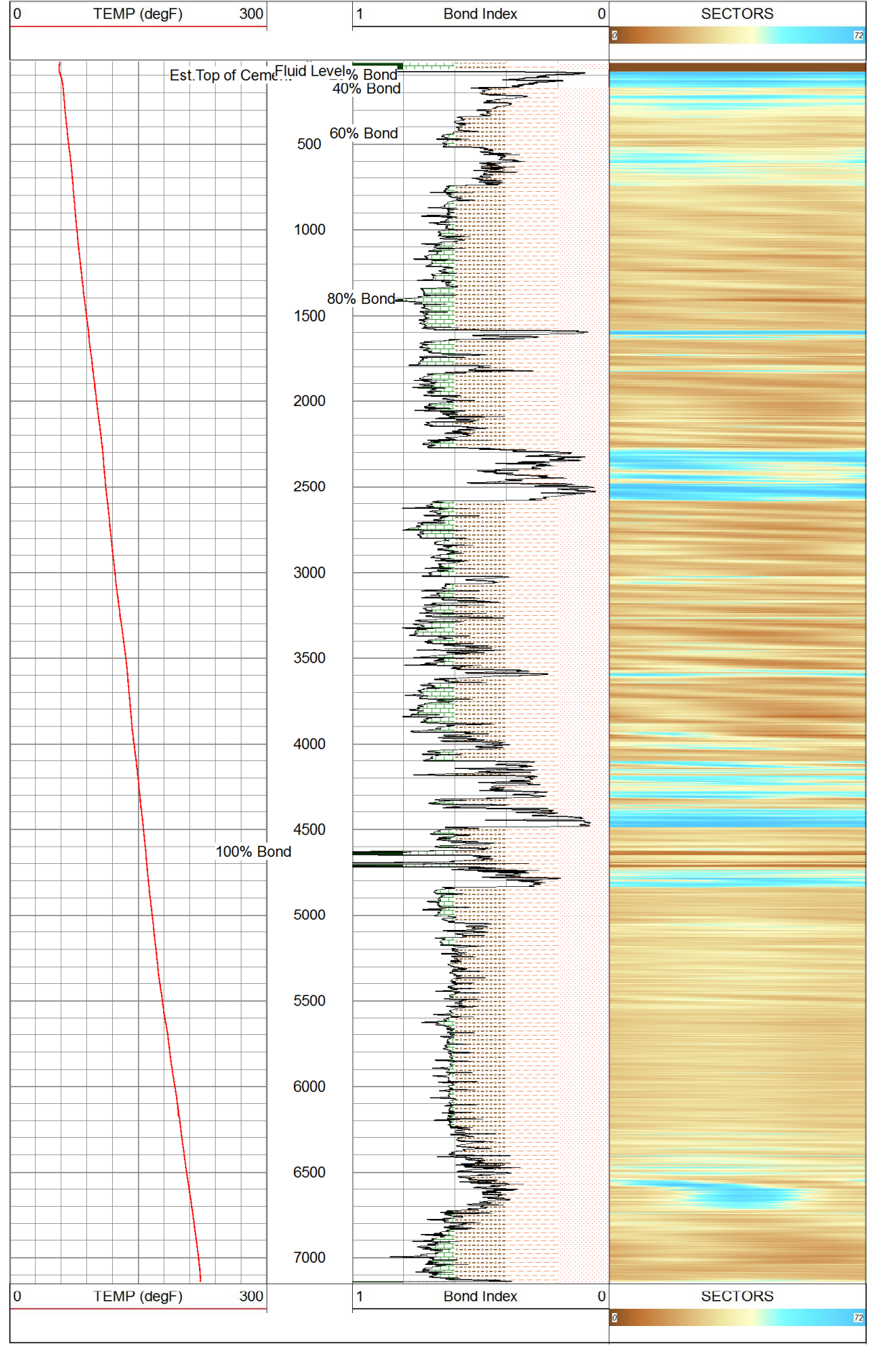
BOND INDEX

Database File 20180116_extraction_jesser 3e-10-11n_cbl\20180116_extraction_jesser 3e-10-11n_cbl.db
Dataset Pathname ./././bndindx
Presentation Format BNDIND~1
Dataset Creation Tue Jan 16 12:17:52 2018
Charted by Depth in Feet scaled 1:7500



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MAIN PASS - Ran with 0 PSI

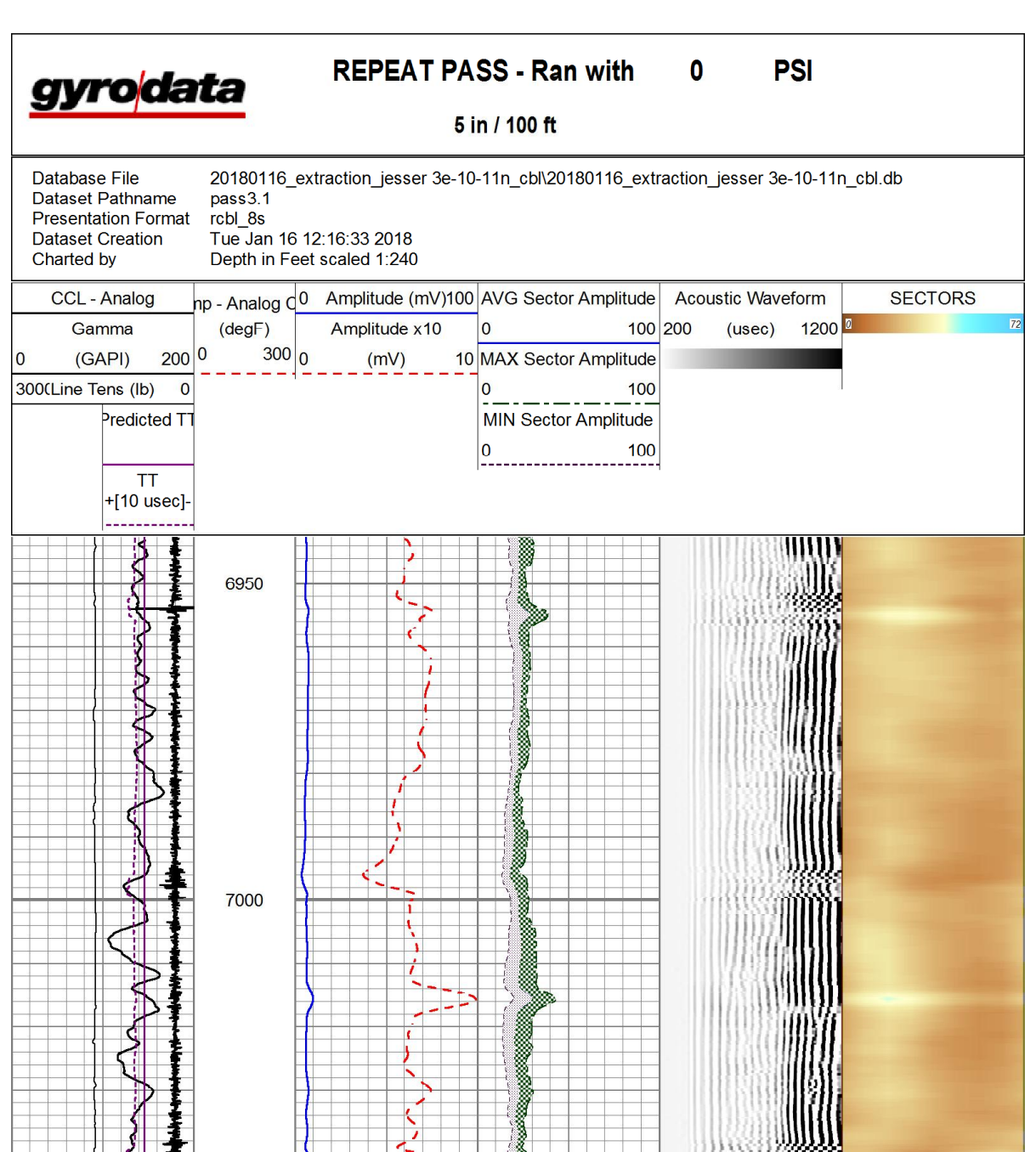
5 in / 100 ft

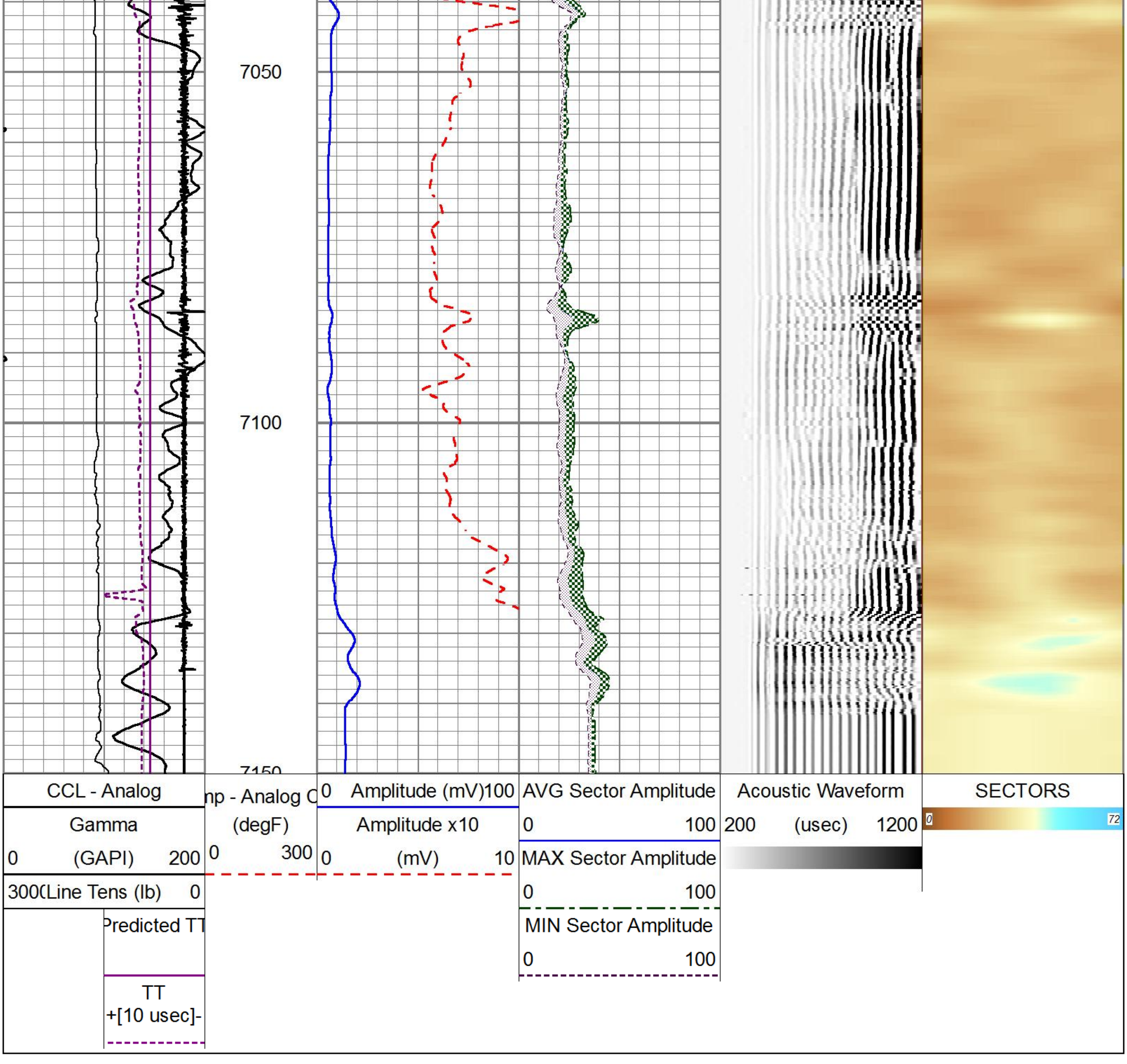
Database File 20180116_extraction_jesser 3e-10-11n_cbl\20180116_extraction_jesser 3e-10-11n_cbl.db
Dataset Pathname Main.2
Presentation Format rcbl_8s
Dataset Creation Tue Jan 16 12:14:54 2018
Charted by Depth in Feet scaled 1:240

gyrodata **REPEAT PASS - Ran with 0 PSI**

5 in / 100 ft

Database File	20180116_extraction_jesser 3e-10-11n_cbl\20180116_extraction_jesser 3e-10-11n_cbl.db
Dataset Pathname	pass3.1
Presentation Format	rcbl_8s
Dataset Creation	Tue Jan 16 12:16:33 2018
Charted by	Depth in Feet scaled 1:240





Calibration Report

Database File	d:\warrior\data\20180116_extraction_jesser 3e-10-11n_cbl\20180116_extraction_jesser 3e-10-11n_cbl.db
Dataset Pathname	Main.2
Dataset Creation	Tue Jan 16 12:14:54 2018

Gamma Ray Calibration Report

Serial Number:	ISHV2-03	
Tool Model:	2 3/4" TekCo	
Performed:	Tue Dec 13 00:23:06 2016	
Calibrator Value:	194.0	GAPI
Background Reading:	58.9	cps
Calibrator Reading:	300.8	cps
Sensitivity:	0.8020	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	IPPO2-01	
Tool Model:	2 3/4" RIB Analog	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	0.000	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	1.247	0.000	72.000	57.854	-0.153
CAL	0.000	0.750				
5'	-0.005	1.775	0.000	72.000	40.431	0.216
SUM						
S1	0.027	1.166	0.000	72.000	63.228	-1.707
S2	0.027	1.132	0.000	72.000	65.142	-1.759
S3	0.031	1.167	0.000	72.000	63.345	-1.947
S4	0.034	1.082	0.000	72.000	68.750	-2.370
S5	0.029	1.067	0.000	72.000	69.383	-2.004
S6	0.027	1.064	0.000	72.000	69.441	-1.891
S7	0.027	1.145	0.000	72.000	64.435	-1.750
S8	0.027	1.158	0.000	72.000	63.615	-1.694

Internal Reference Calibration, performed Fri Aug 25 16:15:12 2017:

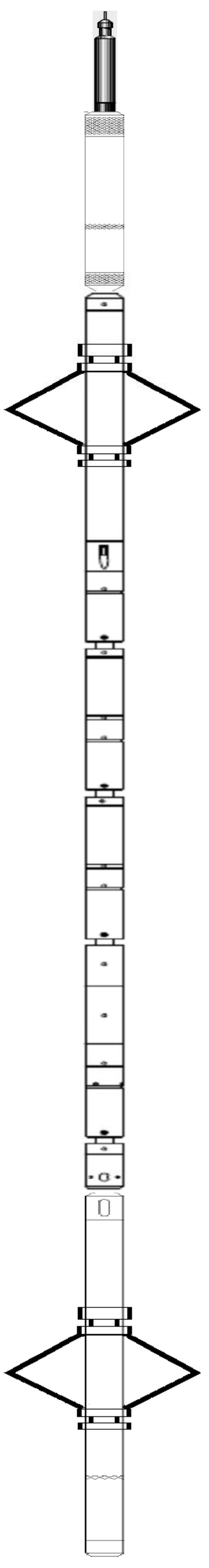
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.750	0.000	0.750	1.000	0.000

Air Zero Calibration, performed Fri Aug 25 16:15:12 2017:

	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

Temperature Calibration Report

Serial Number:	IPPO2-01			
Tool Model:	2 3/4" RIB Analog			
Performed:	Fri Aug 26 11:07:15 2016			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	usec
High Reference:	1.00	degF	1.00	usec
Gain:	0.33			
Offset:	0.00			
Delta Spacing	1			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			CableHead-TitanConeType2	1.03	1.44	3.60
CCL	13.50		CCL_Log-2 3/4" TekCo (IS2T1-09)	1.83	2.75	33.00
			Antelope-Overbody	1.25	2.75	
TEMP	10.05					
WVFS8	8.76					
WVFS7	8.76					
WVFS6	8.76		RBTA-2 3/4" RIB Analog (IPPO2-01)	9.13	2.75	102.00
WVFS5	8.76					
WVFS4	8.76					
WVFS3	8.76					
WVFS2	8.76					
WVFS1	8.76					
WVF3FT	8.01					
WVF5FT	7.01					
WVFSYNC	3.68					
WVFTEMP	3.68					
WVFCAL	3.68					
			Antelope-Overbody	1.25	2.75	
			GR_Log-2 3/4" TekCo (ISHV2-03)	3.68	2.75	47.00
GR	1.04					
LOCTIM	0.00					
UTCTIM	0.00					

Dataset:	20180116_extraction_jesser 3e-10-11n_cbl.db: field/well/run1/Main.2
Total length:	15.67 ft
Total weight:	185.60 lb
O.D.:	2.75 in

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Company	Extraction Oil and Gas
Well	Jesser 3E-10-11N
Field	Wattenberg
County	Weld
State	Colorado
Country	U.S.A.