RELIANCE
OILFIELD SERVICES

Pulsed Neutron
Gamma Ray
Casing Collar Log

Company TEP Rocky Mountain LLC
Well Tri State Trucking PA 341-26
Field Parachute
County Garfield
State Colorado

Company	TEP Rocky Mountain LLC
Well	Tri State Trucking PA 341-26
Field	Parachute
County	Garfield State Colorado
Location:	API # : 05-045-23650
	2285' FNL & 1895' FWL SENW
	SEC 25 TWP 6S RGE 95W
Other Services	RBL

Permanent Datum	Ground Level	Elevation 5224'	Elevation
Log Measured From	Kelly Bushing	24 FT	K.B. 5248'
Drilling Measured From	Kelly Bushing		D.F. 5247'
			G.L. 5224'

Date	16-JAN-2018
Run Number	One
Depth Driller	8722 FT
Depth Logger	8650 FT
Bottom Logged Interval	8644 FT
Top Log Interval	4483 FT
Open Hole Size	8.75"
Type Fluid	Fresh Water
Density / Viscosity	8.34 lb/gal
Max. Recorded Temp.	---
Estimated Cement Top	---
Time Well Ready	---
Time Logger on Bottom	---
Equipment Number	---
Location	Grand Junction, CO
Recorded By	A. Ellsworth
Witnessed By	---

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

Casing Record	Size (in)	Wgt (lbs/Ft)	Grade	Top	Bottom
Surface Casing	9 5/8	32.3	H-40	Surface	1100 FT
Intermediate #1	4 1/2	11.6	P-110	Surface	8678 FT
Intermediate #2					
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 ran per customer request
Depth referenced to Reliance Bond Log dated 15-JAN-2018
Log ran from 8644 FT to 4483 FT
Pulsed Neutron Data logged with the Hunter RAS Tool

Thank you for choosing Reliance Oilfield Services, LLC!!

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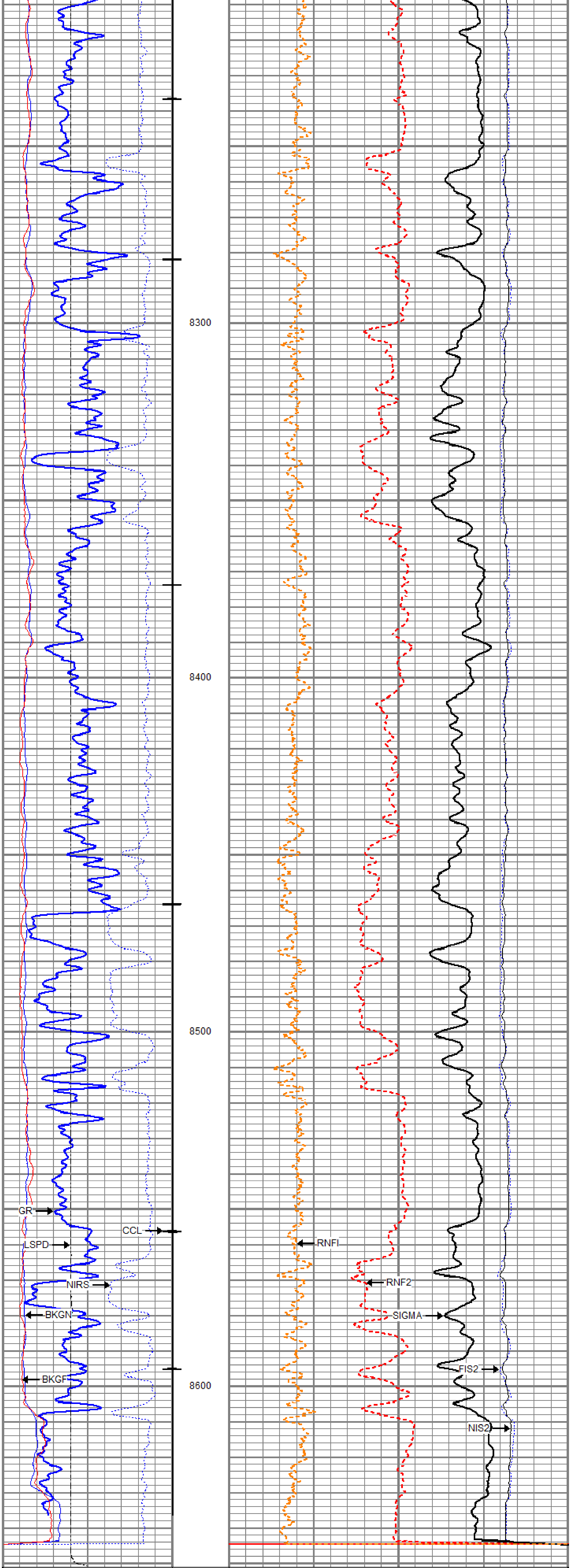
Main Pass

Database File	tep\pa 341-26\pn\tep_tri state trucking pa 341-26_pn_01-16-18.db
Dataset Pathname	main.2
Presentation Format	ros_pdn_hunter
Dataset Creation	Tue Jan 16 21:31:20 2018
Charted by	Depth in Feet scaled 1:240



0 Gamma Ray (GAPI) 150
Casing Collar Locator
-100 Line Speed (ft/min) 100
0 NIRS (cps) 400000
0 BKGN (cps) 4000
0 BKGF (cps) 2000

4 RNF2 0
60 SIGMA (cu) 0
4.5 RNFI 0
FIS2
0 (cps) 45000
NIS2
0 (cps100000

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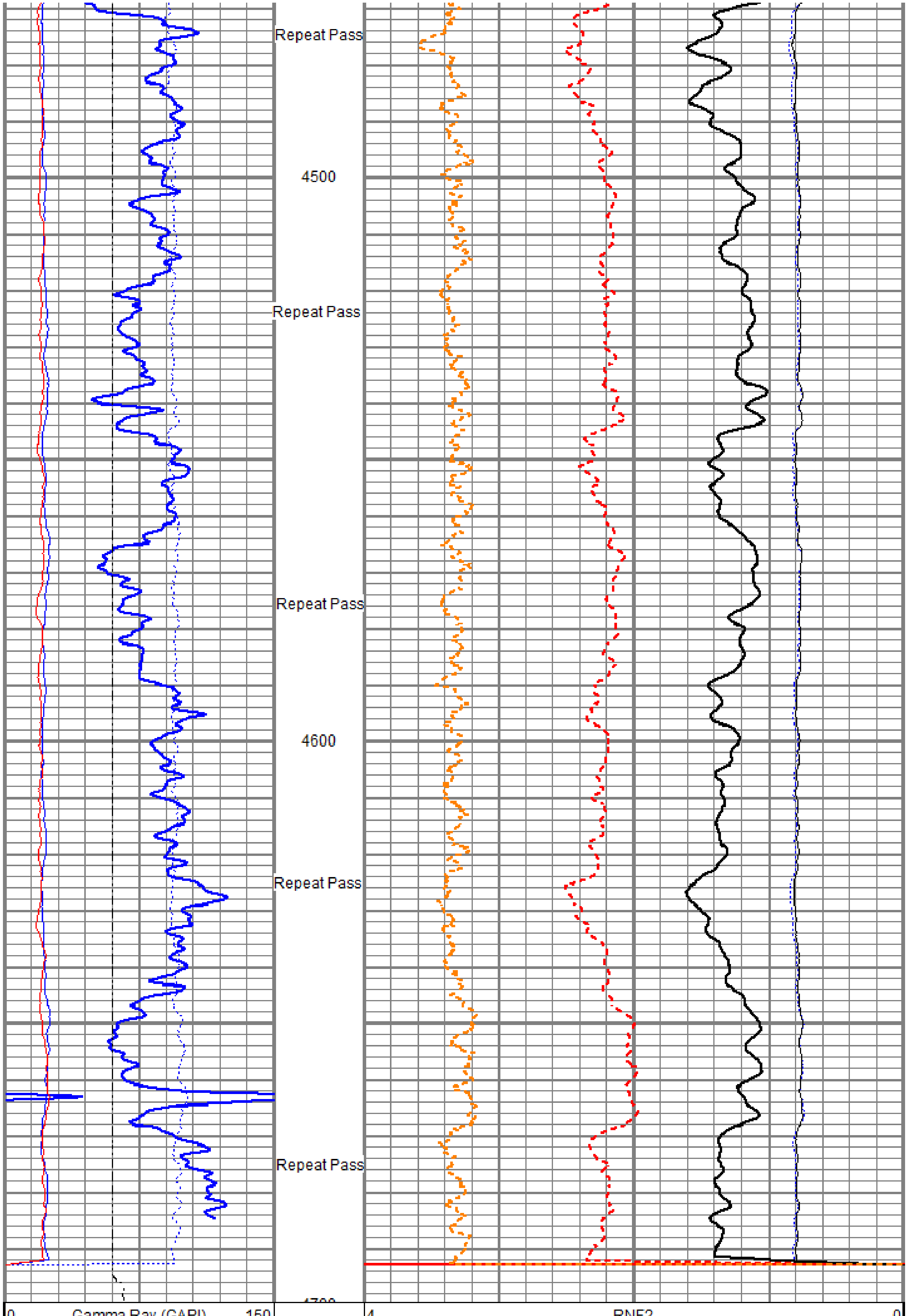
Repeat Pass

Database File	tep\pa 341-26\pn\tep_tri state trucking pa 341-26_pn_01-16-18.db
Dataset Pathname	repeat.2
Presentation Format	ros_pdn_hunter
Dataset Creation	Tue Jan 16 21:30:35 2018
Charted by	Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 150
-100 Line Speed (ft/min) 100
0 NIRS (cps) 400000
0 BKGN (cps) 4000
0 BKGF (cps) 2000

4 RNF2 0
60 SIGMA (cu) 0
4.5 RNFI 0
FIS2
0 (cps) 45000
NIS2
0 (cps100000



0 Gamma Ray (GAPI) 150
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0 BKGF (cps) 2000

4 RNF2 0
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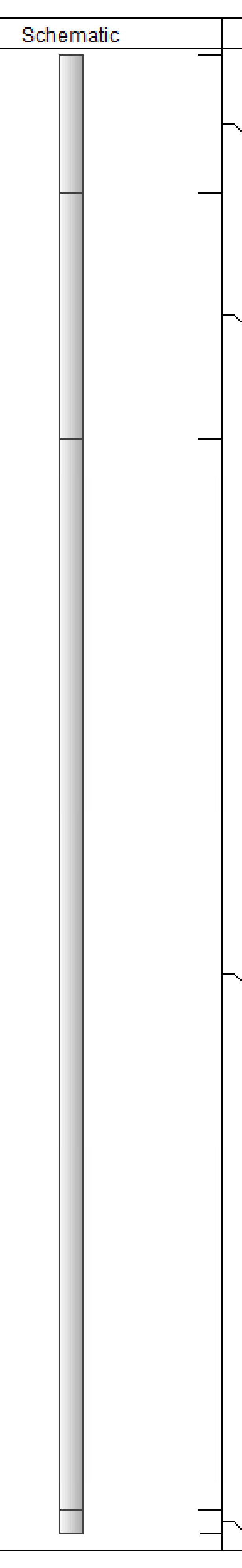

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TCUTEMP TCUVOLT GCL_CCL	14.69 14.69 13.97		HWS_TCU-001 (001705) HWS Telemetry Control Unit	1.52	1.69	7.80
GCL_GR GCL_GR	12.50 12.50		HWS_GCL-001 (001681) HWS Gamma Ray Collar Locator (1.6875")	2.69	1.69	13.40
Long Far Near Anci	6.25 6.25 6.25 6.25		HWS_RAS-RAS002 (003041) Hunter Well Science Pulsed Neutron Tool	11.75	1.69	55.82
			HWS_TBN-001 (001724) HWS Terminator Bull Nose (1.6875")	0.25	1.69	0.99

Dataset: tep_tri state trucking pa 341-26_pn_01-16-18.db: field/well/run1/main.2
Total length: 16.21 ft
Total weight: 78.01 lb
O.D.: 1.69 in

Calibration Report

Database File c:\programdata\warrior\data\tep\pa 341-26\pn\tep_tri state trucking pa 341-26_pn_01-16-18.db
Dataset Pathname main.2
Dataset Creation Tue Jan 16 21:31:20 2018

Gamma Ray Calibration Report

Serial Number:	001681	
Tool Model:	001	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	
Calibrator Reading:	1.0	
Sensitivity:	1.0000	GAPI/

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Field	Parachute
County	Garfield
State	Colorado