RELIANCE
OILFIELD SERVICES

Pulsed Neutron Gamma Ray Casing Collar Log

Company	TEP Rocky Mountain LLC
Well	Tri State Trucking PA 543-26
Field	Parachute
County	Garfield
State	Colorado

Company TEP Rocky Mountain LLC
Well Tri State Trucking PA 543-26
Field Parachute
County Garfield State Colorado
Location: API # : 05-045-23652
SEC 25 TWP 6S RGE 95W

Other Services
RBL

Permanent Datum	Ground Level	Elevation	5224'
Log Measured From	Kelly Bushing	24 FT	
Drilling Measured From	Kelly Bushing		

Elevation
K.B. 5248'
D.F. 5247'
G.L. 5224'

Date	12-DEC-2017
Run Number	One
Depth Driller	8615 FT
Depth Logger	8541 FT
Bottom Logged Interval	8535 FT
Top Log Interval	4379 FT
Open Hole Size	8.750"
Type Fluid	Fresh Water
Density / Viscosity	8.34 lb/gal
Max. Recorded Temp.	240°F
Estimated Cement Top	---
Time Well Ready	---
Time Logger on Bottom	---
Equipment Number	---
Location	Grand Junction, CO
Recorded By	Z.Fisher
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	1135 FT
Intermediate #1	4 1/2	11.6	P-110	Surface	8572 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 as per customer request
Depth referenced to Reliance Bond Log dated 12-DEC-2017
Log ran from 8535 FT to 4379 FT
Pulsed Neutron Data logged with the Hunter RAS Tool

Thank you for choosing Reliance Oilfield Services, LLC!!

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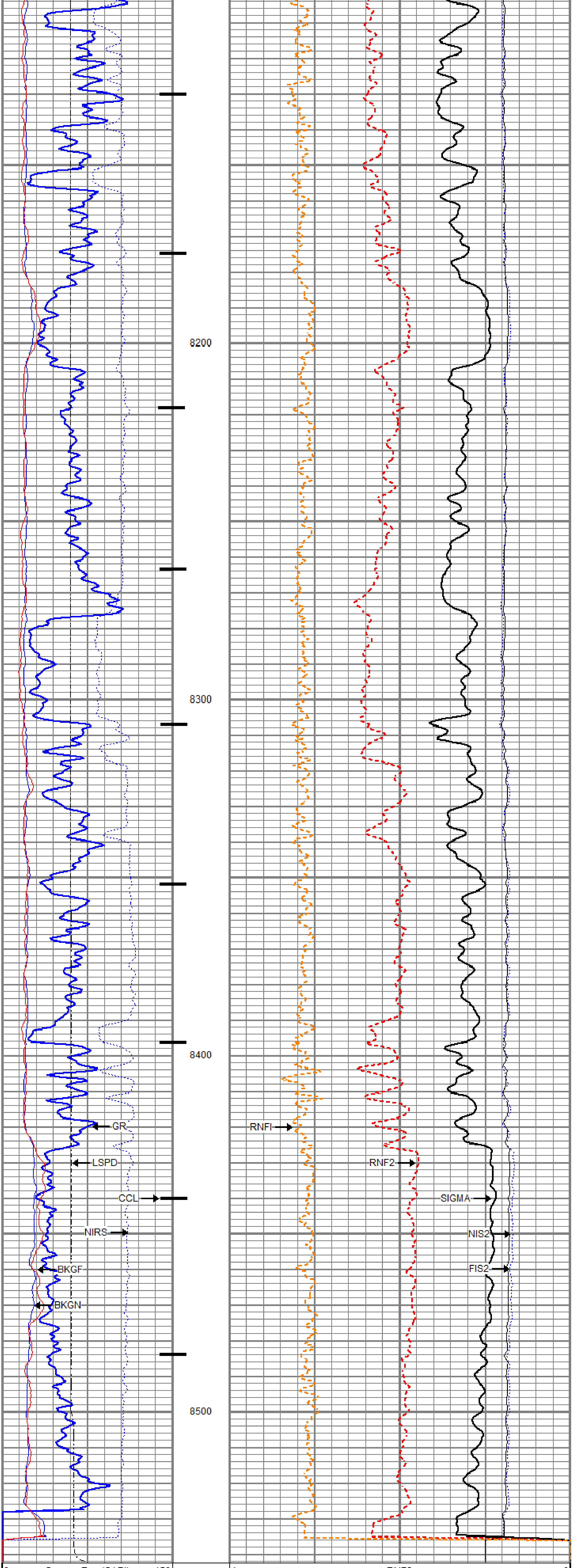
Main Pass

Database File	tri state trucking pa 543-26\tep_tri state trucking pa 543-26_pdn_12-12-17.db
Dataset Pathname	tri_state_trucking_pa_543-26_pn_merge_s
Presentation Format	ros_pdn_hunter
Dataset Creation	Thu Dec 14 13:18:30 2017
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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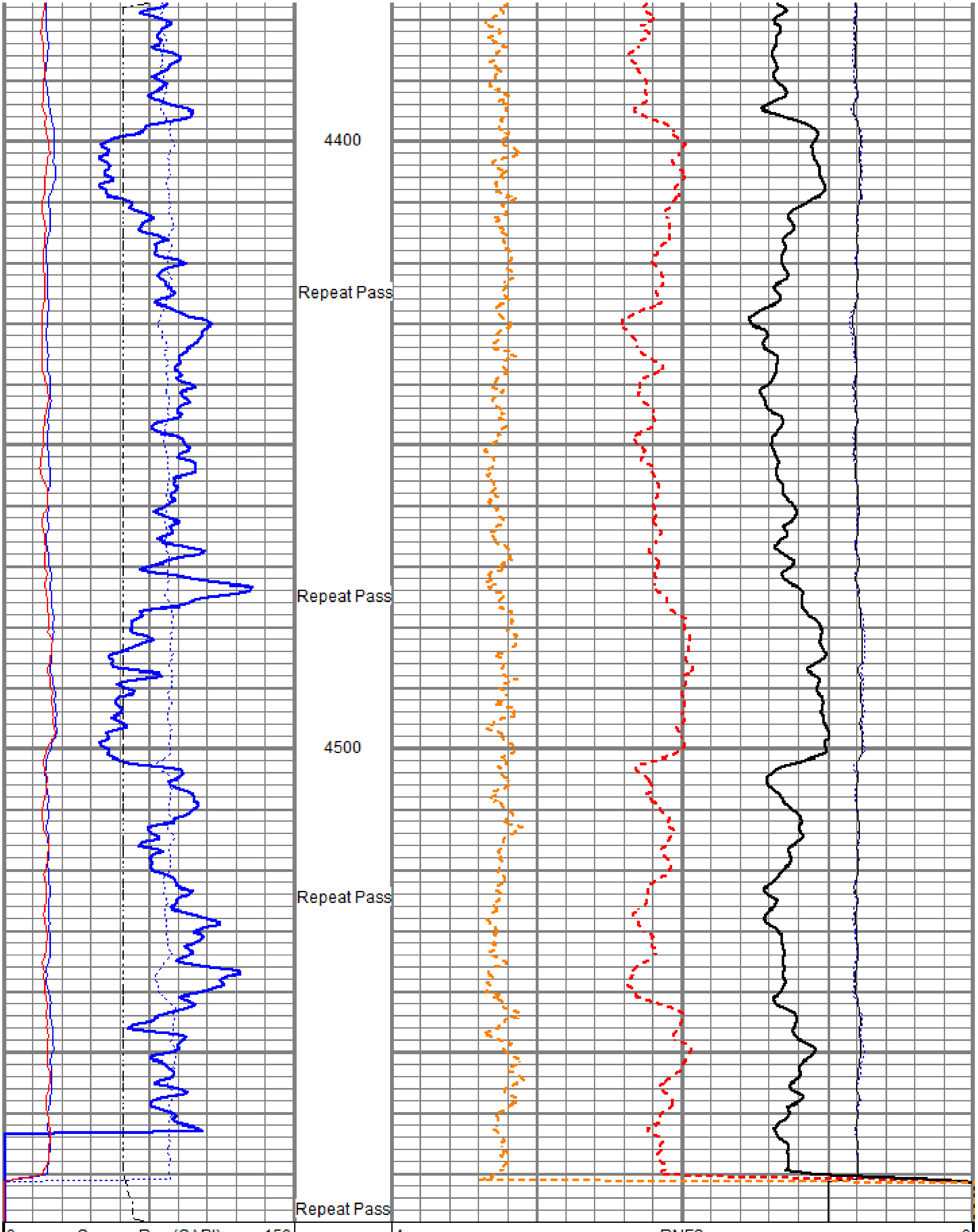
Repeat Pass

Database File	tri state trucking pa 543-26\tep_tri state trucking pa 543-26_pdn_12-12-17.db
Dataset Pathname	tri_state_trucking_pa_543-26_repeat_2_s
Presentation Format	ros_pdn_hunter
Dataset Creation	Thu Dec 14 13:19:54 2017
Charted by	Depth in Feet scaled 1:240

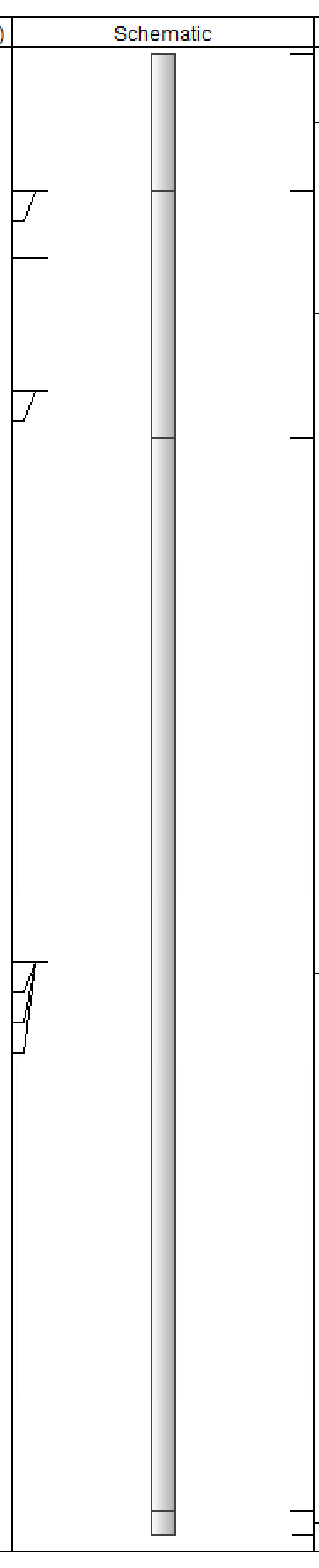
0	Gamma Ray (GAPI)	150
-100	Line Speed (ft/min)	100
0	NIRS (cps)	400000
0	BKGN (cps)	4000
0	BKGF (cps)	2000

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



0	Gamma Ray (GAPI)	150
-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	



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
TCUTEMP TCUVOLT	14.69 14.69		HWS_TCU-001 (001704) HWS Telemetry Control Unit	1.52	1.69	7.80
GCL_CCL GCL_GR GCL_GR	13.97 12.50 12.50		HWS_GCL-001 (001475) 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-RAS001 (003040) Hunter Well Science Pulsed Neutron Tool	11.75	1.69	55.82
			HWS_TBN-001 (000001) HWS Terminator Bull Nose (1.6875")	0.25	1.69	0.99

Dataset:	processed_tep_tri state trucking pa 542-26_pn_12-12-17.db: field/well/run1/Main.2
Total length:	16.21 ft
Total weight:	78.01 lb
O.D.:	1.69 in

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Well	Tri State Trucking PA 543-26
Field	Parachute
County	Garfield
State	Colorado