RELIANCE OILFIELD SERVICES

Pulsed Neutron Gamma Ray Casing Collar Log

Company	TEP Rocky Mountain LLC
Well	Tri State Trucking PA 441-26
Field	Parachute
County	Garfield
State	Colorado

Company TEP Rocky Mountain LLC

Well Tri State Trucking PA 441-26

Field Parachute

County Garfield State Colorado

Location: API # : 05-045-23649

2275' FNL & 1887' FWL SENW

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	15-JAN-2018
Run Number	One
Depth Driller	8520 FT
Depth Logger	8475 FT
Bottom Logged Interval	8469 FT
Top Log Interval	4538 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

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size (in)	Wgt (lbs/Ft)	Grade	Top	Bottom
Surface Casing	9 5/8	32.3	H-40	Surface	1151 FT
Intermediate #1	4 1/2	11.6	P-110	Surface	8479 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 8469 FT to 4538 FT
Pulsed Neutron Data logged with the Hunter RAS Tool

Thank you for choosing Reliance Oilfield Services, LLC!!

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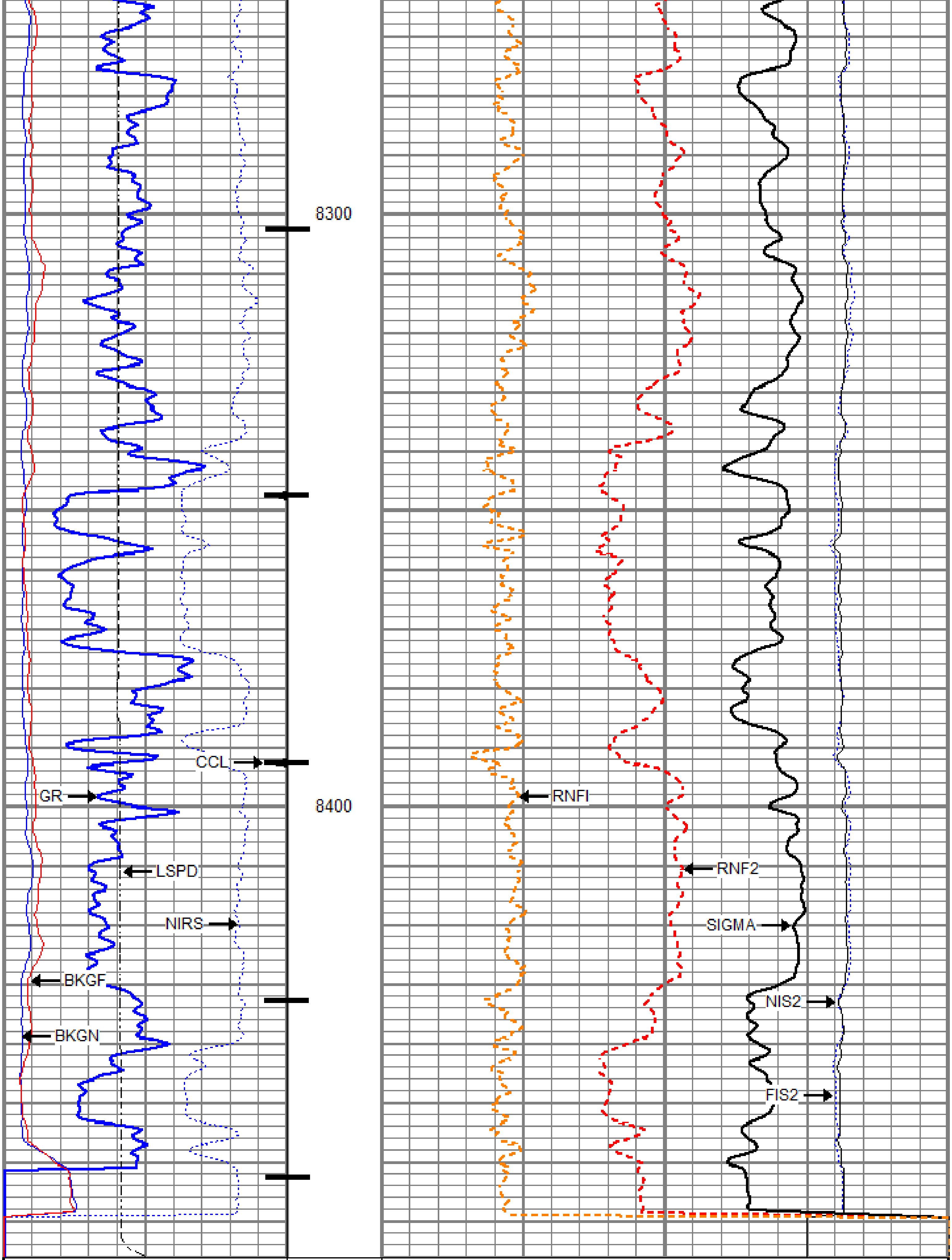
Main Pass

Database File	tep\pa 441-26\pn\tep_tri state trucking pa 441-26_pn_01-15-18.db
Dataset Pathname	main_2_shift
Presentation Format	ros_pdn_hunter
Dataset Creation	Tue Jan 16 11:45:50 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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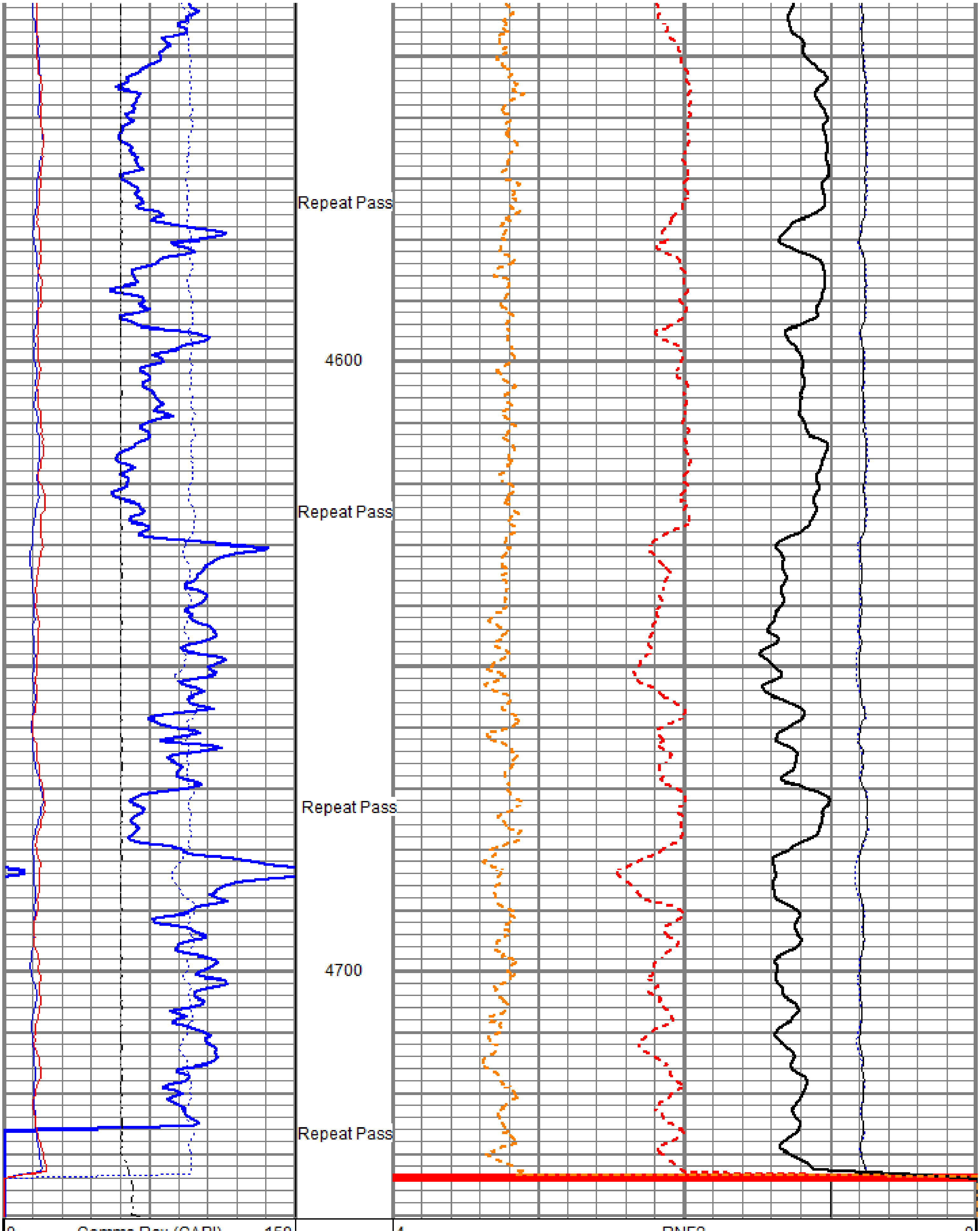
Repeat Pass

Database File	tep\pa 441-26\pn\tep_tri state trucking pa 441-26_pn_01-15-18.db
Dataset Pathname	repeat/tep_tri-state_trucking_pa_441-26_pn_01-
Presentation Format	ros_pdn_hunter
Dataset Creation	Tue Jan 16 11:51:21 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

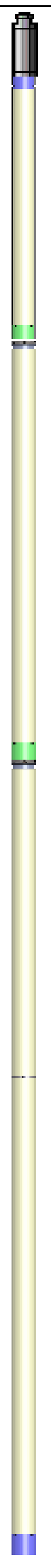
	FIS2
0	(cps) 45000
	NIS2
0	(cps100000



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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan_Electric_Cable_Heads-Titan_1-1 Electric Cable Head with 1" Fishing Neck	1/11.03	1.69	5.40
			Telemetry-Antares Antares Telemetry / Gamma / CCL	4.07	1.70	17.60
			Generator-Antares Antares Neutron Generator	19.03	1.70	85.80

Dataset:	pdn tool.db: field/well/run1/PDN_Tool_Diagram
Total length:	24.13 ft
Total weight:	108.80 lb
O.D.:	1.70 in

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