NEXTIER

COMPLETION SOLUTIONS

RADIAL CEMENT BOND GAMMA RAY C.C.L./V.D.L. LOG

Company OCCIDENTAL PETROLEUM INC.
Well UPRR 39 PAN AM F #1
Field WATTENBERG
County WELD
State COLORADO

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Well UPRR 39 PAN AM F #1
Field WATTENBERG
County WELD **State** COLORADO

Location: API # : 05-123-12570

NE/SW

SEC 5 TWP 3N RGE 65W

Permanent Datum	GROUND LEVEL	Elevation 4897'
Log Measured From	KELLY BUSHING 10' A.G.L.	
Drilling Measured From	KELLY BUSHING	

Other Services
NONE

Elevation
K.B. 4907'
D.F.
G.L. 4897'

Date	27 JUNE, 2022		
Run Number	ONE		
Depth Driller	10827'		
Depth Logger	1180'		
Bottom Logged Interval	1179'		
Top Log Interval	SURFACE		
Casing Size	5.5"		
Type Fluid	WATER		
Max. Recorded Temp.	N/A		
Estimated Cement Top	N/A		
Time Well Ready	R.O.A.		
Time Logger On Bottom	8:30AM		
Unit Number	200128		
Tool Size / ID Number	2.75" RADIAL PROBE		
Location	STERLING COLORADO		
Recorded By	ADAM GARDNER		
Witnessed By	LUIS MORALES		

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	1220'
Prot. String				
Production String	5.5"	17#	SURFACE	7945'
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 CORRELATED TO AXIS ENERGY SERVICES LOG DATED JUNE 14TH, 2022

NexTier
COMPLETION SOLUTIONS

REPEAT PASS

Database File:	uprr 39 pan am f #1.db
Dataset Pathname:	pass8
Presentation Format:	zwag
Dataset Creation:	Mon Jun 27 08:43:23 2022 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

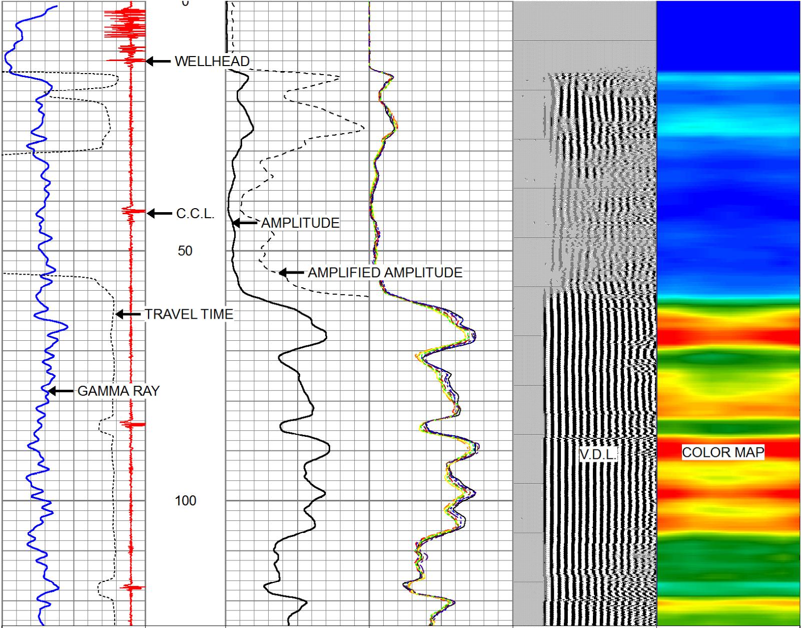
50 CCL -5.5
0 GR (GAPI) 150
340 TT3 (usec) 284

0 AMP (mV) 100
AMPLIFIED AMP3
0 (mV) 20

0 AMPS1 100
0 AMPS2 100
0 AMPS3 100
0 AMPS4 100
0 AMPS5 100
0 AMPS6 100
0 AMPS7 100
0 AMPS8 100

200 VDL 1200

1 RADIAL MAP 8
1 72



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0 (mV) 20

0 AMPS1 100
0 AMPS2 100
0 AMPS3 100
0 AMPS4 100
0 AMPS5 100

200 VDL 1200

1 RADIAL MAP 8
1 72

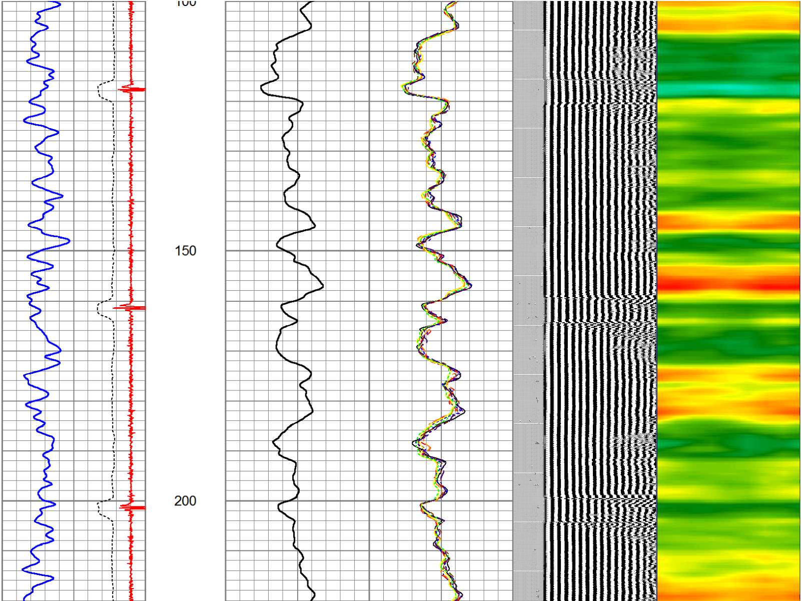
0	AMPS6 100
0	AMPS7 100
0	AMPS8 100

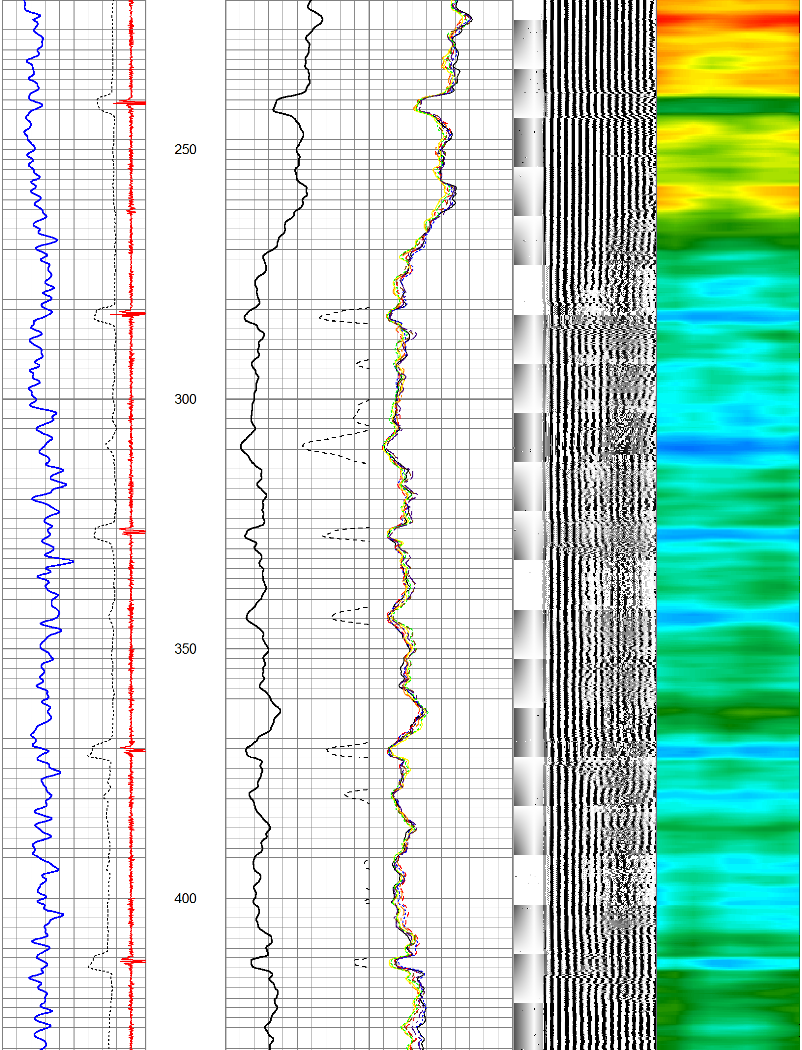
NEXTIER
COMPLETION SOLUTIONS

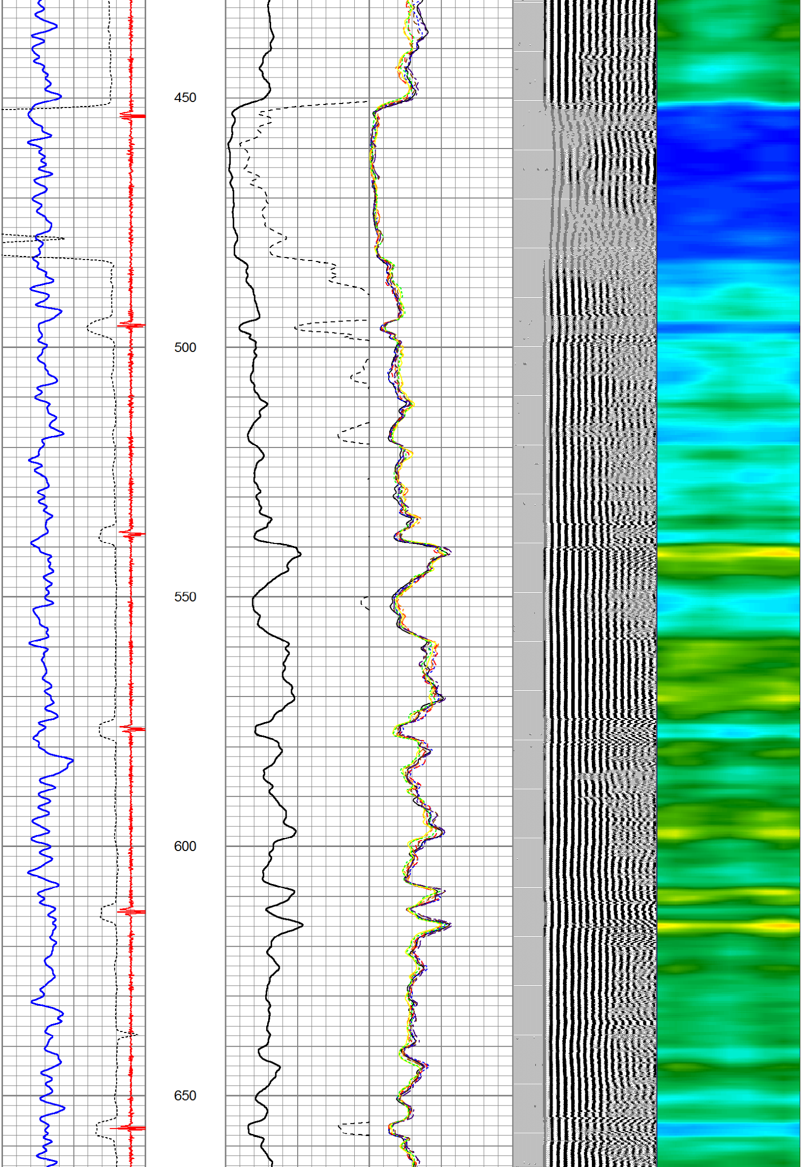
MAIN PASS (0 P.S.I.)

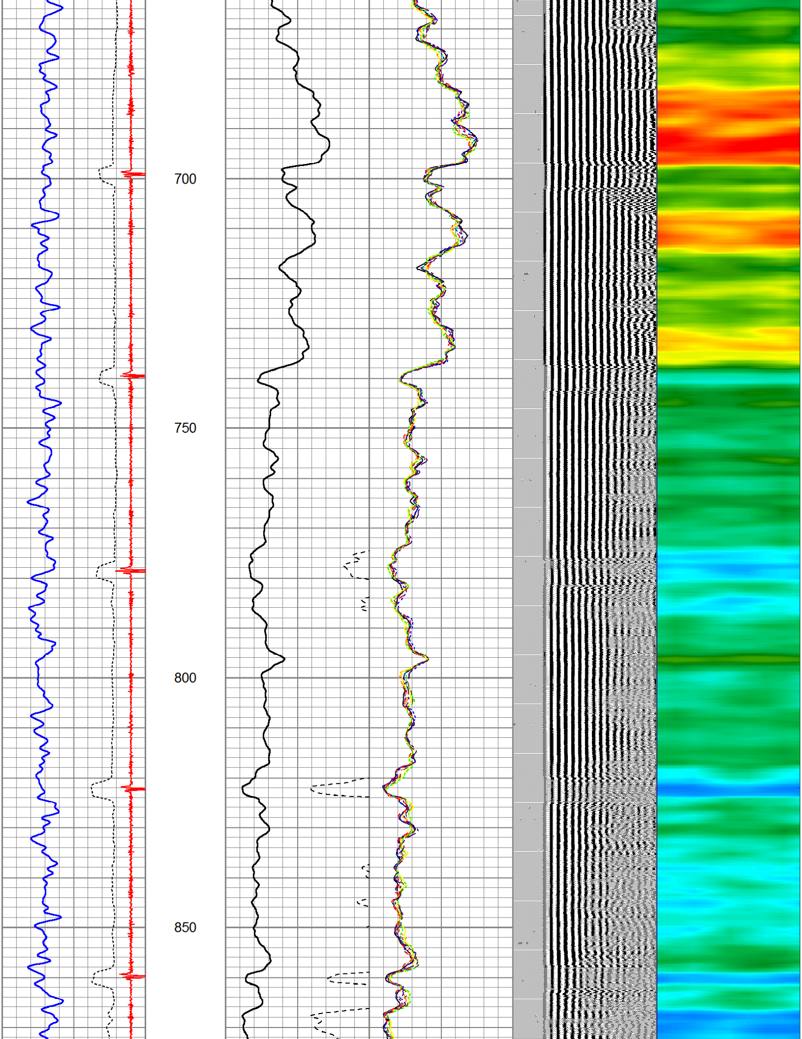
Database File:	uprr 39 pan am f #1.db
Dataset Pathname:	pass7
Presentation Format:	zwag
Dataset Creation:	Mon Jun 27 08:27:04 2022 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

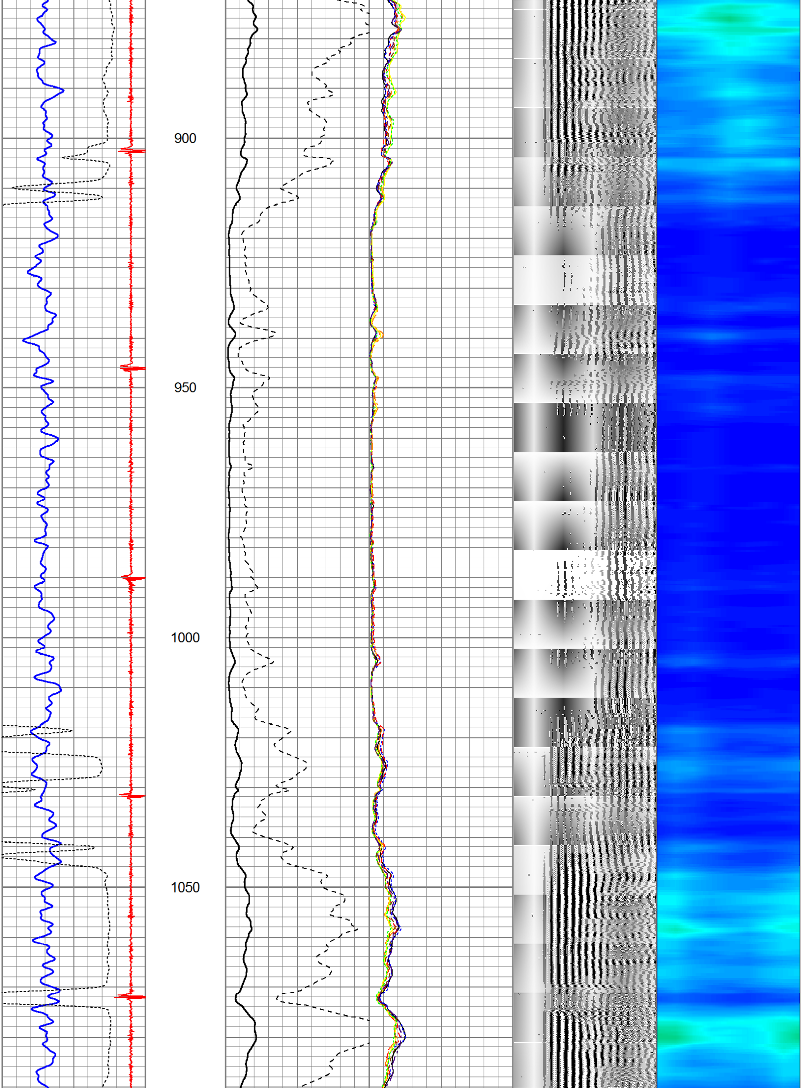
50 CCL -5.5	0 AMP (mV) 100	0 AMPS1 100	200 VDL 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	AMPLIFIED AMP3	0 AMPS2 100		1 72
340 TT3 (usec) 284	0 (mV) 20	0 AMPS3 100		
		0 AMPS4 100		
		0 AMPS5 100		
		0 AMPS6 100		
		0 AMPS7 100		
		0 AMPS8 100		

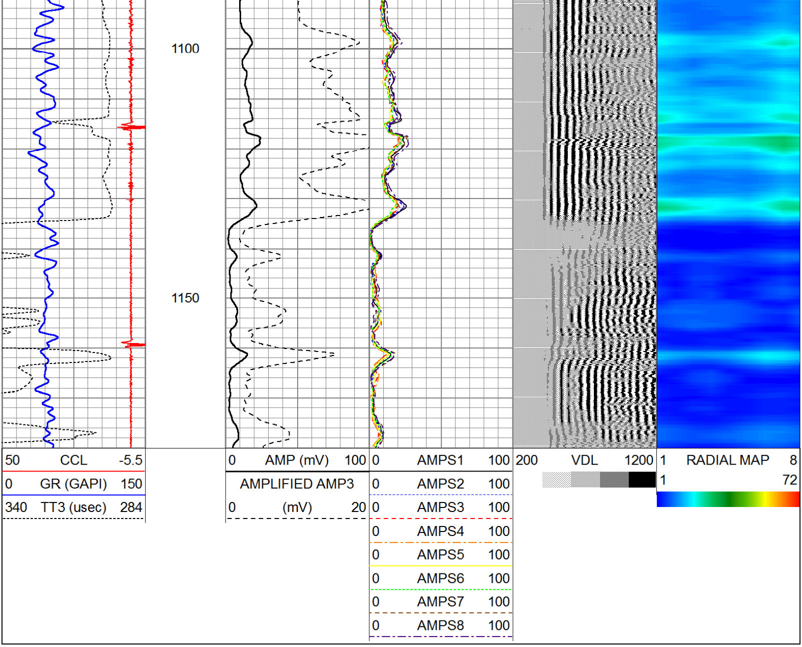












Calibration Report

Database File: uprr 39 pan am f #1.db
Dataset Pathname: pass7
Dataset Creation: Mon Jun 27 08:27:04 2022 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Tue Jan 04 07:48:16 2022

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6000			GAPI/cps

PRIMARY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number:	101024	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	692.008	ft

Master Calibration, performed Mon Jun 27 08:19:01 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	2.300	0.800	71.921	30.931	0.788
CAL	0.001	1.048				
5'	0.000	2.098	0.800	71.921	33.909	0.784
SUM						
S1	0.001	2.295	0.000	72.000	31.381	-0.016
S2	0.000	2.278	0.000	72.000	31.610	-0.014
S3	0.000	2.436	0.000	72.000	29.566	-0.014
S4	0.001	2.497	0.000	72.000	28.849	-0.026
S5	0.000	2.425	0.000	72.000	29.693	-0.011
S6	0.001	2.300	0.000	72.000	31.310	-0.024
S7	0.000	2.179	0.000	72.000	33.052	-0.004
S8	0.001	2.126	0.000	72.000	33.880	-0.030

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	1.048	1.000	0.000

Air Zero Calibration, performed Fri Aug 02 12:48:57 2019:

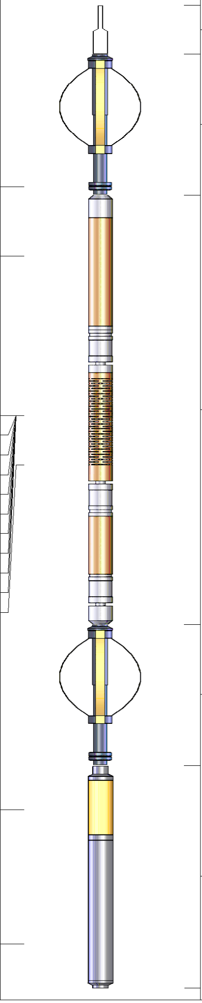
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Log Variables

Database:C:\Warrior\Data\uprr 39 pan am f #1.db
Dataset: field/well/run1/pass7

Top - Bottom

PPT usec 372	CASEWGHT lb/ft 17	MAXAMPL mV 72	MINAMPL mV 1	MINATTN db/ft 0.8	SRFTEMP degF 0	CASEOD in 5.5	PERFS 0
TDEPTH ft 0	BOTTEMP degF 200	BOREID in 9.625					



Sensor	Offset (ft)
HEADVOLT	16.33
IntTemp	14.92
WVF3FT	11.67
WVFCAL	11.67
WVFS1	11.67
WVFS2	11.67
WVFS3	11.67
WVFS4	11.67
WVFS5	11.67
WVFS6	11.67
WVFS7	11.67
WVFS8	11.67
WVF5FT	10.67
CCL	3.63
GR	0.90

Description	Len (ft)	OD (in)	Wt (lb)
STNDRD Standard Cable Head	1.00	1.69	10.00
Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
RBT-Probe (101024) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
GR-Probe275dig (101010) Probe Gamma CCL	4.54	2.75	57.00

Dataset:	uprr 39 pan am f #1.db: field/well/run1/pass7
Total Length:	20.04 ft
Total Weight:	197.00 lb
O.D.	2.75 in