PIONEER
Pioneer Natural Resources USA, Inc.
Pioneer Natural Resources Alaska, Inc.
Pioneer Natural Resources Canada, Inc.
Pioneer Natural Resources Company
Pioneer Natural Resources Company (Colombia) Ltd.
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Pioneer Natural Resources Company (Namibia) Pty. Ltd.
Pioneer Natural Resources Company (Pty) Ltd.
Pioneer Natural Resources Company (Tanzania) Limited
Pioneer Natural Resources Company (Zambia) Limited
Pioneer Natural Resources Company (Zimbabwe) (Private) Limited
Pioneer Natural Resources Company S.A.
Pioneer Natural Resources Company S.A.S.
Pioneer Natural Resources Company Sdn. Bhd.
Pioneer Natural Resources Company Trinidad Limited
Pioneer Natural Resources Company Trinidad Unlimited
Pioneer Natural Resources Company Unlimited
Pioneer Natural Resources Company, Inc.
Pioneer Natural Resources Company, Inc. (Argentina Branch)
Pioneer Natural Resources Company, Inc. (Chile Branch)
Pioneer Natural Resources Company, Inc. (Egypt Branch)
Pioneer Natural Resources Company, Inc. (Mexico Branch)
Pioneer Natural Resources Company, Inc. (Oman Branch)
Pioneer Natural Resources Company, Inc. (Peru Branch)
Pioneer Natural Resources Company, Inc. (Philippines Branch)
Pioneer Natural Resources Company, Inc. (Tunisia Branch)
Pioneer Natural Resources Company, Inc. (United Arab Emirates Branch)
Pioneer Natural Resources Company, Inc. (Vietnam Branch)
Pioneer Natural Resources Company, Inc. (Yemen Branch)
Pioneer Natural Resources Company, Inc. (Zimbabwe

Dataset Pathname RBL/pass1
Dataset Creation Fri Nov 04 10:31:21 2016

Gamma Ray Calibration Report

Serial Number:	1206-72	
Tool Model:	275 Probe GR-CCL	
Performed:	Thu Nov 03 07:47:59 2016	
Calibrator Value:	320.0	GAPI
Background Reading:	0.2	cps
Calibrator Reading:	1.6	cps
Sensitivity:	0.9500	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1210-41	
Tool Model:	275 Probe w Temp New Mod	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	1531.750	ft

Master Calibration, performed Fri Nov 04 10:02:03 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.000	1.825	3.300	62.165	28.860	3.304
CAL	-0.002	1.769				
5'	-0.002	1.750	3.300	62.165	33.607	3.356
SUM						
S1	-0.005	1.802	0.000	100.000	55.349	0.278
S2	0.003	1.806	0.000	100.000	55.456	-0.144
S3	0.002	1.825	0.000	100.000	54.855	-0.115
S4	0.002	1.803	0.000	100.000	55.505	-0.100
S5	0.001	1.817	0.000	100.000	55.062	-0.075
S6	0.001	1.822	0.000	100.000	54.890	-0.028
S7	-0.000	1.826	0.000	100.000	54.776	0.001
S8	-0.001	1.804	0.000	100.000	55.423	0.037

Temperature Calibration Report

Serial Number:	FW1210-41	
Tool Model:	275 Probe w Temp New Mod	
Performed:	Wed Nov 02 13:10:48 2016	
	Reference	Reading
Low Reference:	35.00 degF	0.37 degF
High Reference:	210.00 degF	1.81 degF
Gain:	0.78	
Offset:	8.50	
Delta Spacing	1	

PIONEER
Pioneer Energy Services

Company	CONOCO PHILLIPS CO
Well	MORAN TRUST 2 #1
Field	WILDCAT
County	ARAPAHOE
State	CO