Company:	PHILLIPS EXPLORATION CO. L.L.C.
Well:	GRABER #1-4 NR
Field:	WILDCAT
County:	RENO
State:	KANSAS
Location:	330' FNL & 330' FWL
	SEC 4 - T25S - R4W
Elevation:	KB: 1,583.00 ft
	DF: 1,581.00 ft
	GL: 1,576.00 ft
Date:	10-Oct-2017
Operator:	VALUGAT - 1 - 5/8
Logging Date:	10-Oct-2017
Logging Time:	07:00 - 10:30
Logging Unit:	3
Logging Engineer:	Cale SOC 12450
Depth Reference:	KB
Depth Datum:	Ground Level
Log Interval:	1,400.00 ft - 3,500.00 ft
Log Scale:	1:200
Log Type:	Raw Data
Log Direction:	Down
Log Speed:	30 ft/min
Log Depth Error:	0.00 ft
Log Speed Error:	0.00 ft/min
Tool Zero Check:	Pass
Calibration Check:	Pass
Tool Type:	Gamma Ray
Tool Serial Number:	17000
Detector Serial Number:	17000
Detector Type:	Plastic
Detector Length:	24 in
Detector Efficiency:	0.2600
Tool Diameter:	1.69 in
Tool Weight:	5.0 lb
Tool Specification:	Gamma Ray Calibration Report
Tool Operating Voltage:	1.0 V
Tool Operating Current:	0.0 mA
Tool Operating Temperature:	0.0 °C
Tool Operating Pressure:	0.0 psi
Tool Operating Time:	0 hrs
Tool Operating Cycles:	0
Tool Operating Hours:	0 hrs
Tool Last Calibration Date:	10-Oct-2017
Tool Last Calibration Time:	07:00
Tool Last Calibration Type:	Gamma Ray Calibration Report
Tool Last Calibration Location:	Liberal, KS
Tool Last Calibration Operator:	Cale SOC 12450
Tool Last Calibration Value:	0.0
Tool Last Calibration Error:	0.0
Tool Last Calibration Tolerance:	0.0
Tool Last Calibration Pass/Fail:	Pass
Tool Last Calibration Comments:	
Tool Last Calibration Signature: