Log Variables

Dataset: C:\Program Files\Geologs\Projects\casitv_bowsley #1.db
Dataset: NoStdvalSSWEqual(0.1) casitv_bowsley #1

Tool	Top	Bottom
BORE0	BOTTOMP	CASIZE0
7.875	5.0	5.0
ENDERR	ENDERRM	SPSHIFT
PERMOK	1	180
MATRIXDEN	Matrix Density	
NFORSEL	Neutron Porosity Curve Select	
CASTHICK	CASINGWT	FLUIDDEN
0.0	0.0	1.0
SPSHIFT	SZCOR	TDEPTH
60	CR	4052
MATRIXDEN	FLUIDDEN	NFORSEL
2.71	1.0	Limestone
SZCOR	TDEPTH	PEMFK
CR	4052	No

Variable Description

BORE0 - Borehole I.D.
ENDERR - Density Error Temperature
ENDERRM - Density Error
CASTHICK - Casing Thickness
CASIZE0 - Casing Size
MATRIXDEN - Matrix Density
NFORSEL - Neutron Porosity Curve Select
PEMFK - Photoelectric Flag
PERMOK - Permeability Index Correction
FLUIDDEN - Fluid Density Correction
SPSHIFT - S.P. Baseline Offset
SZCOR - Size Correction Variable
SZCOR - CR Size Cor
TDEPTH - Total Depth

2" SCALE BULK DENSITY

MAIN PASS

Dataset: casitv_bowsley #1 .db
Dataset Pathname: NoStdvalSSWEqual(0.1
Presentation Format: CNDLC1
Dataset Creation: Fri Dec 31 19:47:01 2021
Charted by: Depth scaled at 2.00/100
Gamma Ray (GAPI) 0 150
Caliper (in) 6 16
Comments: Gore, KS, 5 to Rd 1, 2 E.
1 S, 1 E to Sh, 34 S, W into
Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum
Depth scaled at 2.00/100
Dataset: casitv_bowsley #1 .db
Dataset Pathname: NoStdvalSSWEqual(0.1
Presentation Format: CNDLC1
Dataset Creation: Fri Dec 31 19:47:01 2021
Charted by: Depth scaled at 2.00/100
Gamma Ray (GAPI) 0 150
Caliper (in) 6 16
DCAL (in) -1.5 1.5
Comments: Gore, KS, 5 to Rd 1, 2 E.
1 S, 1 E to Sh, 34 S, W into
Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum
Depth scaled at 2.00/100
Dataset: casitv_bowsley #1 .db
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Caliper (in) 6 16
DCAL (in) -1.5 1.5

DETAIL SECTION

MAIN PASS

Dataset: casitv_bowsley #1 .db
Dataset Pathname: NoStdvalSSWEqual(0.1
Presentation Format: CNDLC1
Dataset Creation: Fri Dec 31 19:47:01 2021
Charted by: Depth scaled at 2.00/100
Gamma Ray (GAPI) 0 150
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Comments: Gore, KS, 5 to Rd 1, 2 E.
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Comments: Gore, KS, 5 to Rd 1, 2 E.
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Depth scaled at 2.00/100
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Dataset Pathname: NoStdvalSSWEqual(0.1
Presentation Format: CNDLC1
Dataset Creation: Fri Dec 31 19:47:01 2021
Charted by: Depth scaled at 2.00/100
Gamma Ray (GAPI) 0 150
Caliper (in) 6 16
DCAL (in) -1.5 1.5

REPEAT SECTION

REPEAT PASS

Dataset: casitv_bowsley #1 .db
Dataset Pathname: NoStdvalSSWEqual(0.1
Presentation Format: CNDLC1
Dataset Creation: Fri Dec 31 19:47:01 2021
Charted by: Depth scaled at 2.00/100
Gamma Ray (GAPI) 0 150
Caliper (in) 6 16
DCAL (in) -1.5 1.5

Calibration Report

Cal Induction Calibration Report

Serial Model: 9321 HT MBHR
Surface Cal Performed:

	Readings		References		Results	
Limit	Air	Loop	Air	Loop	Air	Loop
Deep	10 410	487 358	0.000	250.000	-mmhos/m	0.454 -35.000
Medium	11 125	1490 658	0.000	250.000	-mmhos/m	0.348 -19.000

Morning Calibration Report

Serial Model: 9CI-PHASE
Tool Number: 9CI-PHASE-1
Calibration Date: Wed Oct 19 02:19:20 2023

	Readings		References		Results	
	Zero	Cal	Zero	Cal	m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	16000.0000 -1.0000
Invers	0.0000	1.0000	0.0000	1.0000	Ohm-m	15000.0000 -0.7000
Cable	0.0000	1.0000	0.0000	16.0000		160.7160 -107.8700

Compensated Density Calibration Report

Serial Model: 9CI-JR-MAX
Tool Number: 9CI-JR-MAX-1
Calibration Date: Mon Oct 16 02:22:39 2023
Master Calibration Performed: Yes
Master Calibration Performed: Yes
Shop Calibration Performed: Yes
After Survey Verification Performed: Yes

Master Calibration

Density	Fe Detector	Near Detector
Magnesium 1.995 g/cc	4087 25	5405 52 104
Aluminum 2.570 g/cc	1004.45	2609.61 104

Spine Angle = 75.56 Density Spine Ratio = 0.569

	Size	Reading
Small Ring	6.00 in	1.55
Large Ring	10.00 in	1.7

Compensated Neutron Calibration Report

Serial Number: 147
Tool Model: NSR

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	6246.00 cps	19000.00 cps	1.4924
Long Space	460.00 cps	1000.00 cps	1.9500

PRE-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number: 107
Tool Model: NGT
Tool Model: NGT
Calibration Date: 2-15-12 ME 2021

Calibrator Value: 500.0 GAPI

Background Reading: 30.5 cps
Calibration Reading: 637.0 cps

Sensitivity: 0.0500 GAPI/cps

Company: Cardinal Resources, Inc.
Well: Bowsley #1
Field: Jim
County: Grove
State: Kansas
Elevation: KB: 0 GL: 0 DF: 0 KB to GL: 0
Date: 10-15-2012
Time: 10:10:10
Run Number: 1
Depth Reference: KB
Depth Unit: Feet
Log Date: 10-15-2012
Log Time: 10:10:10
Max Logged Depth: 5600
Max Depth: 5600
Bit Size: 7.875
Fluid Type: Water
Fluid Density: 8.33
Fluid Level: Full
Max Deviation: 0
Equipment: 7500 Logging Unit
Recorded By: Kelly Bushing
Witnessed By: Terry Martin
MIDWEST WIRELINE