Company	CLV ENERGY, INC.
Well	JOHNSON CREEK FIELD # 1
County	GEAUGA
State	OHIO
API #	34-055-21-0000
Elevation	KB: 1,000.00 ft. DF: ft. GL: ft.
Date	10/12/2011
Depth	3,000.00 ft.
Logged Interval	1,000.00 ft. - 3,000.00 ft.
Type of Log	DUAL INDUCTION SFL GR
Bit Size	7.875 in.
Max Rec Temp	120 F
Equipment	5CSI 1200 PSI 10K
Rig Contractor	JOHNSON DRILLING CO.
Operator	CLV ENERGY, INC.
Witnessed By	
Recorded By	

HIGH RESOLUTION COMPENSATED DUAL INDUCTION SFL GR

DISCLAIMER

All interpretations are estimated based on offset wells and other measurements and are opinions and are not guaranteed. No warranty is provided as to the interpretations, and we cannot accept liability for any loss or damage suffered by us or our agents or employees in reliance on the interpretations. Interpretations are based on information received from our customers and other sources, and we are not responsible for the accuracy, data integrity, or legal and general terms and conditions beyond our control.

DATA FORMAT

DWD-7387
MATRIX LIMESTONE 2.71 g/cc
<6ppm COMPUTED WITH 10 1/4" CASING

PERMIT # 2112-2-2135

CREEK - JOHNSON

5" CDL/SWN SECTION

Datafiles File: 0427.7387-v4-energy.dlis
Parameter Version: 3.0.0.0
Processor Version: 3.0.0.0
Processor Date: Sat Oct 15 12:32:11 2011
Channel Set: Depth in Feet scaled 1:600

Caliper Bit Size (CAPI)	7.875	Tracks	2	Bulk Density (g/cc)	1.95
Bit Size (in)	7.875	Jobnum	29	Density porosity (pu)	30
Density Caliper (in)	16			Correction (g/cc)	0.5
Neutron Caliper (in)	16			Date	Job Session No.

Caliper Bit Size (CAPI)	7.875	Tracks	2	Bulk Density (g/cc)	1.95
Bit Size (in)	7.875	Jobnum	29	Neutron Porosity (pu)	30
Density Caliper (in)	16			Correction (g/cc)	0.5
Neutron Caliper (in)	16			Date	Job Session No.

5" CDL SECTION

Datafiles File: 0427.7387-v4-energy.dlis
Parameter Version: 3.0.0.0
Processor Version: 3.0.0.0
Processor Date: Sat Oct 15 12:32:11 2011
Channel Set: Depth in Feet scaled 1:600

Caliper Bit Size (CAPI)	7.875	Tracks	2	Bulk Density (g/cc)	1.95
Bit Size (in)	7.875	Jobnum	29	Density porosity (pu)	30
Density Caliper (in)	16			Correction (g/cc)	0.5
Neutron Caliper (in)	16			Date	Job Session No.

Caliper Bit Size (CAPI)	7.875	Tracks	2	Bulk Density (g/cc)	1.95
Bit Size (in)	7.875	Jobnum	29	Neutron Porosity (pu)	30
Density Caliper (in)	16			Correction (g/cc)	0.5
Neutron Caliper (in)	16			Date	Job Session No.

25" HR CDL SECTION

Datafiles File: 0427.7387-v4-energy.dlis
Parameter Version: 3.0.0.0
Processor Version: 3.0.0.0
Processor Date: Sat Oct 15 12:32:11 2011
Channel Set: Depth in Feet scaled 1:600

Caliper Bit Size (CAPI)	7.875	Tracks	2	Bulk Density (g/cc)	1.95
Bit Size (in)	7.875	Jobnum	29	Density porosity (pu)	30
Density Caliper (in)	16			Correction (g/cc)	0.5
Neutron Caliper (in)	16			Date	Job Session No.

Caliper Bit Size (CAPI)	7.875	Tracks	2	Bulk Density (g/cc)	1.95
Bit Size (in)	7.875	Jobnum	29	Neutron Porosity (pu)	30
Density Caliper (in)	16			Correction (g/cc)	0.5
Neutron Caliper (in)	16			Date	Job Session No.

Series	Offset (ft)	Scale/units	Description	Left (ft)	Off (in)	Wt (lb)
GR	16.04		Gamma Ray (GAPI) (3000)	1.42	2.00	20.00
LLD	15.14		Deep Laterolog (OHMM) (3000)	2.61	2.50	75.00
LLS	15.14		Shallow Laterolog (OHMM) (3000)	2.29	4.50	200.00
SGL	8.98		Neutron Gulbegam810 (0) (3070)	1.61	4.50	100.00
SGN	8.98		Neutron Gulbegam810 (0) (3070)			
SGAL	2.12					
SGAN	2.12					
MEL	2.12					

Datafiles: 0427.7387-v4-energy.dlis, Matrix4x4CDL.pass1
Channel Set: Depth in Feet
Scale: 1:600
Page Size: 44.00 in.