Company: ENERGY RESOURCES, INC.
Well: CARLSON # 1
Field: WILDCAT
County: KITTSON
Section: 36 Township: 163 N Range: 49 W
Elevation: KB: 1,000 DF: 1,000 GL: 1,000
Date: 07-Jul-2011
Run: ONE
Depth Reference: KB
Log Measured From: KB
Drilling Measured From: KB
Permanent Datum: GL
Elevation: 1,000
Log Date: 07-Jul-2011
Log Time: 0:00
Log Number: 1
Depth Driller: 1,000
Depth Logger: 1,000
Bottom Log Interval: 1,000
Top Log Interval: 0
Casing Driller: 0 @ 0
Casing Logger: 0
Bit Size: 0
Type Fluid in Hole: NONE
Density: 0
Viscosity: 0
Ph: 0
Fluid Loss: 0
Source of Sample: NONE
Rm @ Meas. Temp: 0 @ 0
Rmf @ Meas. Temp: 0 @ 0
Rmc @ Meas. Temp: 0 @ 0
Source Rmf / Rmc: NONE
Rm @ BHT: 0 @ 0
Time Since Circ.: 0
Max. Rec. Temp.: 0
Equip. Location: 0
Recorded By: 0
Witnessed By: 0

HIGH RESOLUTION
COMPENSATED
SONIC/NEUTRON/GAMMA
LITHOLOGY

Company: ENERGY RESOURCES, INC.
Well: CARLSON # 1
Field: WILDCAT
County: KITTSON
State: MINNESOTA
Other Services: NONE
Permanent Datum: GL
Elevation: 1,000 KB
Log Measured From: KB
Drilling Measured From: KB
Date: 07-Jul-2011
Run: ONE
Depth Driller: 1,000
Depth Logger: 1,000
Bottom Log Interval: 1,000
Top Log Interval: 0
Casing Driller: 0 @ 0
Casing Logger: 0
Bit Size: 0
Type Fluid in Hole: NONE
Density: 0
Viscosity: 0
Ph: 0
Fluid Loss: 0
Source of Sample: NONE
Rm @ Meas. Temp: 0 @ 0
Rmf @ Meas. Temp: 0 @ 0
Rmc @ Meas. Temp: 0 @ 0
Source Rmf / Rmc: NONE
Rm @ BHT: 0 @ 0
Time Since Circ.: 0
Max. Rec. Temp.: 0
Equip. Location: 0
Recorded By: 0
Witnessed By: 0

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JUL 07 2011
KDNR
DIVISION OF
LAND AND MINERALS

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Comments

DIXIE-TWP
MATRIX LIMESTONE 2.71 g/cc
ABW-COMPUTED WITH 9 1/2" CASING

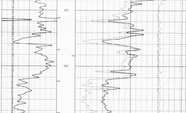
PERMIT # 2717-2701

CREW: - JOHNSON

5" CDL/SWN SECTION

Database File: ocd-17247-cdl-energy db
Dataset Pathname: CDL/ocd-17247-cdl-energy db
Presentation Format: CDL Main
Dataset Creation: Sat Mar 19 21:06:49 2011 by Calc Open Cased HI/R2
Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI)	0	150+0	4	Density Porosity (pu)			34
SP (mV)	40	40+0	80	Neutron Porosity (pu)	45		-15
Density Caliper (in)	6		16		0.5	Correction (g/cc)	0.5
Neutron Caliper (in)	6		16		1000	Line Tension (lb)	0

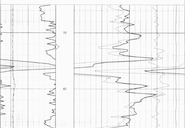


Gamma Ray (GAPI)	0	150+0	4	Density Porosity (pu)			34
SP (mV)	40	40+0	80	Neutron Porosity (pu)	45		-15
Density Caliper (in)	6		16		0.5	Correction (g/cc)	0.5
Neutron Caliper (in)	6		16		1000	Line Tension (lb)	0

5" CDL SECTION

Database File: ocd-17247-cdl-energy db
Dataset Pathname: CDL/ocd-17247-cdl-energy db
Presentation Format: CDL Main
Dataset Creation: Sat Mar 19 21:06:49 2011 by Calc Open Cased HI/R2
Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI)	0	150+0	4	Bulk Density (g/cc)			3
SP (mV)	40	40+0	80	Density porosity (pu)			34
Density Caliper (in)	6		16		0.5	Correction (g/cc)	0.5
Neutron Caliper (in)	6		16		1000	Line Tension (lb)	0

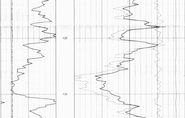


Gamma Ray (GAPI)	0	150+0	4	Bulk Density (g/cc)			3
SP (mV)	40	40+0	80	Density porosity (pu)			34
Density Caliper (in)	6		16		0.5	Correction (g/cc)	0.5
Neutron Caliper (in)	6		16		1000	Line Tension (lb)	0

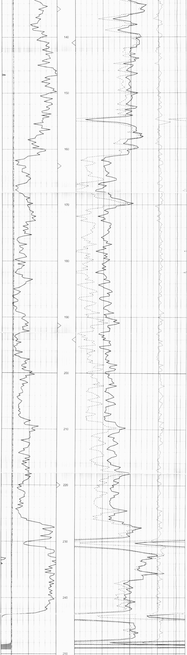
25" HR CDL SECTION

Database File: ocd-17247-cdl-energy db
Dataset Pathname: CDL/ocd-17247-cdl-energy db
Presentation Format: CDL Main
Dataset Creation: Sat Mar 19 21:06:49 2011 by Calc Open Cased HI/R2
Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI)	0	150+0	4	Bulk Density (g/cc)			3
SP (mV)	40	40+0	80	Density porosity (pu)			34
Density Caliper (in)	6		16		0.5	Correction (g/cc)	0.5
Neutron Caliper (in)	6		16		1000	Line Tension (lb)	0



Gamma Ray (GAPI)	0	150+0	4	Bulk Density (g/cc)			3
SP (mV)	40	40+0	80	Density porosity (pu)			34
Density Caliper (in)	6		16		0.5	Correction (g/cc)	0.5
Neutron Caliper (in)	6		16		1000	Line Tension (lb)	0



Contact	Offset (ft)	Schematic	Description	Left (ft)	CD (in)	Diff (ft)
			Carlson Well Kittson Co.	1.00	0.00	00.00
GR	10.00		Gamma Ray Data RAW (GR0) Carlson Well Kittson	2.91	0.00	75.00
LSD	12.14		Density Data RAW (DEN) Carlson Kittson	6.28	4.00	200.00
LSS	12.00					
CSD	9.86					
			Neutron Sidewall RAW (NPHI) Carlson Kittson	7.64	4.00	156.00
KCNL	2.54					
KSD	2.54					
NEU	2.54					

Carlson Well Kittson Co.
Log Length 1,000.00 ft
Log Weight 0.00 lb/ft

ocd-17247-cdl-energy db Sat Mar 19 21:06:49 2011
Depth Scale 1:240
Log Date 07-Jul-2011