

## ***Profile Plot Track Legends (Jul 26, 2010)***

**Newby 2-28R (15-189-22225)**

**Section: 28 Township: 31S Range: 37E**

**Operator: Pioneer Natural Resources USA Inc.      Field: PANOMA GAS AREA  
STEVENS County, Kansas**

**Latitude: 37.317145      Longitude: -101.354533**

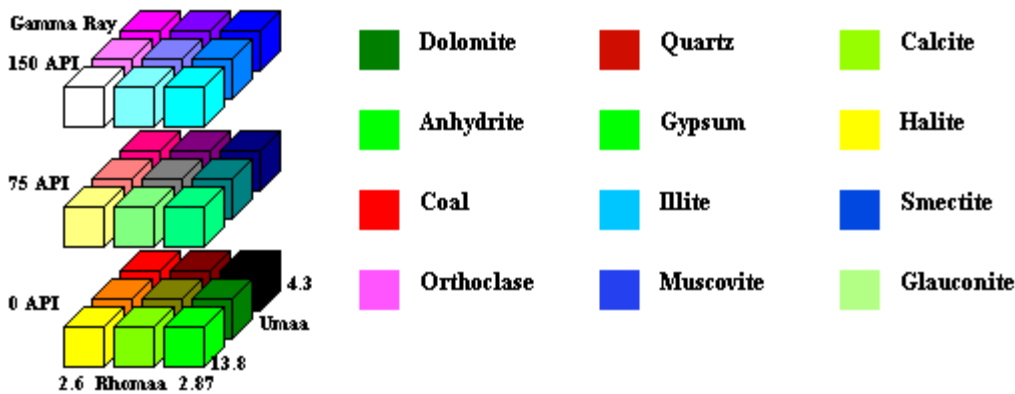
**Total Depth: 3155.0 Ground Level: 3112.0 Kelly Bushing: 3119.0**

Log ASCII Standard (LAS) Curves		
Mnemonics	Description	Units
GR	Gamma Ray	API
SP	Spontaneous Potential	MV
ILD	Deep Induction Resistivity	OHM-M
ILM	Medium Induction Resistivity	OHM-M
LL8	Shallow Laterolog Resistivity	OHM-M
PE	Photoelectric factor	BARNS/E
NPHI	Neutron porosity	PU
RHOB	Bulk Density	GM/CC
DPHI	Density porosity	PU

Measured Core Data Curves		
Mnemonics	Description	Units
GMCC	Grain Density (gm/cc)	GMCC
PPLUG	Core Plug Porosity Routine	PU
PINSI	Core Plug Porosity Insitu	PU
KPLG	Core Plug Permeability Routine	MD
MAMB	Archie Cementation Ambient	FRAC
MINSI	Archie Cementation Insitu	FRAC
NINSI	Archie Saturation Insitu	FRAC

# Colorlith Image Tracks

Rhomaa-Umaa Colorlith



## Porosity Color Image Track

Increasing Porosity >>



Linear Method: The number of data points are distributed by magnitude into equal bins.

Non-linear Method: The number of data points over the given depth range is subdivided equally into each color bin.

## Resistivity Color Image Track

























Increasing Conductivity >>



Linear Method: The number of data points are distributed by magnitude into equal bins.

Non-linear Method: The number of data points over the given depth range is subdivided equally into each color bin.

# Texture/Lithology Image Tracks

Lithology Symbols		Texture/Lithology by Description		
Siliciclastic Lithotypes		Level	Symbol	Description
	Sand, Sandstone (shaly)	3		shaly silt
	Sandstone	3		silt shale
	Silt	4		silt
	Clay	3		mudstone
	Shale	3		dolomite mudstone
	Limestone	5		wackestone
	Limestone	5		dolomite wackestone
	Shaly Carbonate	7		packstone
	Dolomite	7		dolomite packstone
	Dolomite	9		grainstone
	Shaly Dolomite	11		fine crystalline dolomite
	Evaporite Lithotypes	12		bafflestone
	Anhydrite			
	Igneous Rock Minerals			
	Feldspar			
	Plagioclase			

# ***Rock Image Tracks***

## **Sedimentary Structure Symbols**

### **Deformational Structures**



**Vein, sedimentary dyke**