



EMPIRICA

The Surface Logging Company

Scale: 1" / 100'
Measured Depth Log

Well Name Source Zimmerman

Location Sec 34 R1E T31S

State Kansas

County Sumner

Country U.S.A

Rig Number Pistol Drilling #2

API Number 15-191-22669-01-00

Spud Date 3/9/2013

Drilling Completed 3/26/2013

Surface Coordinates 330 FSL & 452 FWL

Bottom Hole Coordinates 330 FNL & 571 FWL

Ground Elevation 1,309

K.B. Elevation 1,326

Logged Interval 400 To 8,060

Total Depth 8,060

Formation Mississippi

Type of Drilling Fluid Freshwater Gel

Operator

Company SOURCE ENERGY

Address 1805 Shea Center Dr.
Suite 100
Highlands Ranch, Co. 80129

Geologist

Name Stephen Cox, James Brewer

Company EMPIRICA SURFACE LOGGING

P.O. BOX 6005
EDMOND, OK 73083-6005
(405)340-5545

Other

Product Description

Two Man Logging
Logging Began: 03/10/2013
Unit Released: 03/26/2013

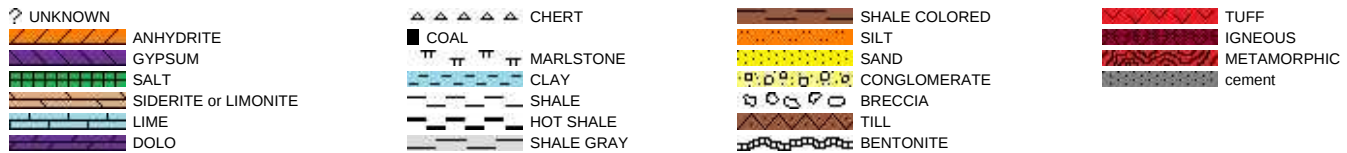
Equipment

MLogger Unit# ML-364
Calibration: Standard Calibration of MLogger
Powerware: MSI# 804

Drilling Contractor

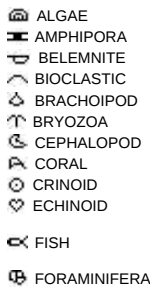
Pistol Drilling Rig #2

Rock Types



Accessories

Fossils



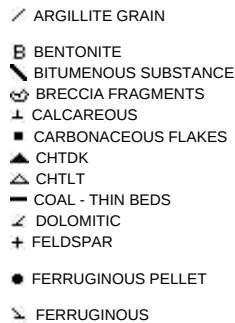
Fossil



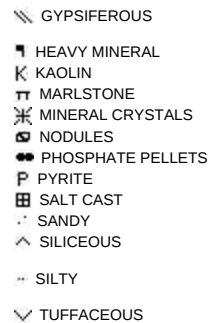
Minerals



Argillaceous



Glauconite

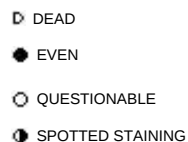


Stringer

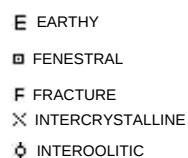


Other Symbols

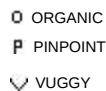
Oil Show



Porosity



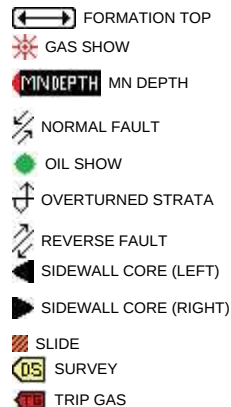
Moldic



Engineering



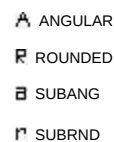
Fault



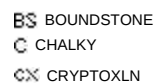
Wireline Tested - Left



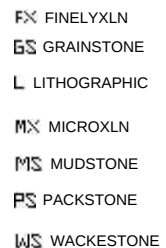
Rounding



Textures



Earthy



Sorting

