



GEOSEARCH LOGGING INC.

Scale 1:1200 (1"=100") Imperial
Measured Depth Log

Well Name: Zogol A 2H
 Location: Marion Co, WV
 License Number: 47-049-02146
 Spud Date: 3/27/2011
 Surface Coordinates: Lat: 39.4858206
 Long: -80.3492718
 Bottom Hole Coordinates: Lat: 39.486022
 Long: -80.338711
 Ground Elevation (ft): 1,233' K.B. Elevation (ft): 1,249'
 Logged Interval (ft): 2,992' To: 10,477' Total Depth (ft): 10,477'
 Formation: Marcellus
 Type of Drilling Fluid: Air drilling

Region: APPALACHIA
Drilling Completed: 4/10/2011

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: XTO ENERGY
 Address: 810 Houston St.,
 Suite 2000
 Forth Worth, TX 76102-6298


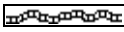
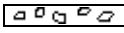

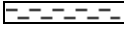


GEOLOGIST






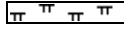

Name: Kelley Hartley, Gilbert Arnold, Derwin Cromer
 Company: Geosearch Logging, Inc.
 Address: P.O. Box 6005
 Edmond, OK 73083-6005
 (405) 340-5545

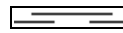
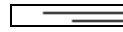
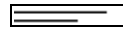




Comments






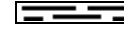
2 Manned Logging Service
 Start Logging Date: 3/31/2011
 OBM on 4/5/2011
 Released Logging Date: 4/10/2011
 Drilling Contractor: UDI#209
 PC 194,ML 334,HASP: V15

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal
 Congl

 Dol
 Gyp
 Igne
 Lmst
 Meta
 Mrlst
 Salt

 Shale
 Shcol
 Shgy
 Sltst
 Ss
 Till
 Sandstn

 Siltstn
 Granwash
 Dolowash
 Cement
 Granite
 Hotshale

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl



- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral



- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol



- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Poor
- Fair
- Good
- Excelent
- Csgshoe

INTERVALS

- Core
- Dst

EVENTS

- Rft
- Sidewall

