



# GEOSEARCH LOGGING INC.

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

Well Name: Windoes 2244H  
Location: Harrison County, WV  
License Number: 47-033-05406  
Spud Date: 12/18/2010  
Surface Coordinates: Lat: 39.1273167  
Long

Region: Appalachia  
Drilling Completed:

Bottom Hole Coordinates:  
Ground Elevation (ft): 1,324'                      K.B. Elevation (ft): 1,340'  
Logged Interval (ft): 2,670'                      To:                      Total Depth (ft):  
Formation: Marcellus  
Type of Drilling Fluid: Air Drilling, Oil Based Mud

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

## OPERATOR

Company: XTO Energy  
Address: 600 E. Exchange Ave.  
Fort Worth, TX 76164


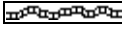
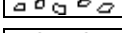
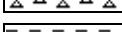
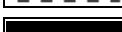


## GEOLOGIST





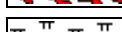


Name: Randy Shuman, Kelley Hartley, Daniel Blake  
Company: Geosearch Logging, Inc.  
Address: P.O. Box 6005  
Edmond, OK 73083-6005  
(405) 340-5545

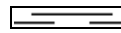
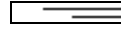





## Comments

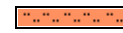


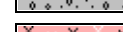
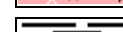

2 Manned Logging Service  
Start Logging Date: 12/24/2010  
Released Logging Date:  
Drilling Contractor: UDI #209  
PC193,ML126,HASP V-42, H-33

## 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
- Breclfrag
- 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

