



# GEOSEARCH LOGGING INC.

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

Well Name: Windoes 2242H  
 Location: Harrison County, WV  
 License Number: 47-033-05373  
 Spud Date: 11/22/2010  
 Surface Coordinates: Lat: 39.1272778  
 Long: -80.2332417  
 Bottom Hole Coordinates: Lat: 39.121236  
 Long: -80.22178  
 Ground Elevation (ft): 1,320' K.B. Elevation (ft): 1,336'  
 Logged Interval (ft): 2,680' To: 11,240' Total Depth (ft): 11,240'  
 Formation: Marcellus  
 Type of Drilling Fluid: Air Drilling, Oil Based mud

Region: Appalachia  
Drilling Completed: 12/14/2010

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## OPERATOR

Company: XTO Energy  
Address: 600 E. Exchange Ave.  
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## GEOLOGIST

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## Comments

2 Manned Logging Services  
Loggers on Location: 11/26/2010  
Start Logging Date: 11/28/2010  
OBM Start Date: 12/01/2010  
Released Logging Date: 12/14/2010  
Drilling Contractor: UDI #209  
PC 193, ML 126, 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









