

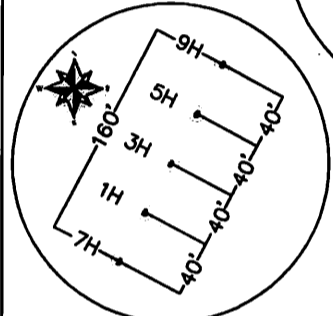
**TOP HOLE (UTM, NAD83)**  
 N) 4391578.52  
 E) 577822.02

**BOTTOM HOLE**  
 N) 4393617.74  
 E) 576993.24

**LEGEND**

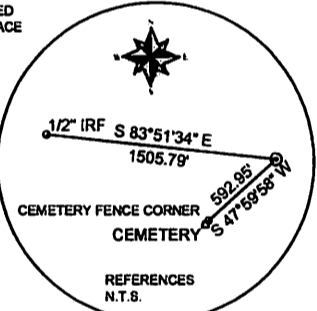
⊙ EXISTING WATER WELL

⊙ PROPOSED WELL HEAD



REFERENCES TO PROPOSED HORIZONTAL WELLS SURFACE LOCATIONS. N.T.S.

**REFERENCE NOTES**  
 Property lines as shown taken from deeds, tax maps, and field locations. A full boundary survey is not expressed or implied. All bearings are based on true North. Ownership taken from public records Monongalia County, West Virginia May 2014  
 State Plane Coordinates & NAD83 Lat/Long by differential submeter mapping grade GPS.



FILE#: 1438006

SHEET#: 1 of 1

SCALE: 1" = 1500'

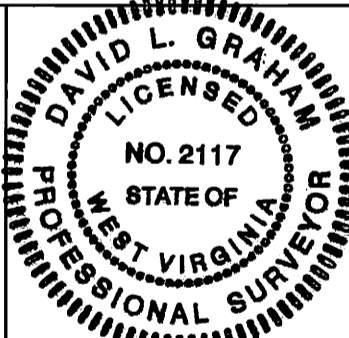
TICK SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE OF ELEVATION: By differential submeter mapping grade GPS.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: David L. Graham 12.19.14  
 P.S. #2117: David L. Graham, P.S.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK  
 COUNTY / DISTRICT: MONONGALIA \ CLAY  
 SURFACE OWNER: BOGGESS, BLAKE R. & H. PRESTON  
 OIL & GAS ROYALTY OWNER: BOGGESS, BLAKE R. & H. PRESTON  
 LEASE NUMBERS: \_\_\_\_\_

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
 PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON  
 CLEAN OUT & REPLUG  OTHER CHANGE SPECIFY: \_\_\_\_\_

TARGET FORMATION: MARCELLUS  
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 ADDRESS: 707 VIRGINIA STREET, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP: 25301

DATE: DECEMBER 19, 2014  
 OPERATOR'S WELL #: BOGGESS NO. 5H

API WELL #: 47 061 XXX  
 STATE COUNTY PERMIT

ELEVATION: 1268'  
 QUADRANGLE: OSAGE, WV  
 ACREAGE: 389.96  
 ACREAGE: 920.50

ESTIMATED DEPTH: TVD: 7.993' TMD: 15.930'  
 DESIGNATED AGENT: JOHN ADAMS, V.P. OPERATIONS  
 ADDRESS: 707 VIRGINIA STREET, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP: 25301

13797.76'

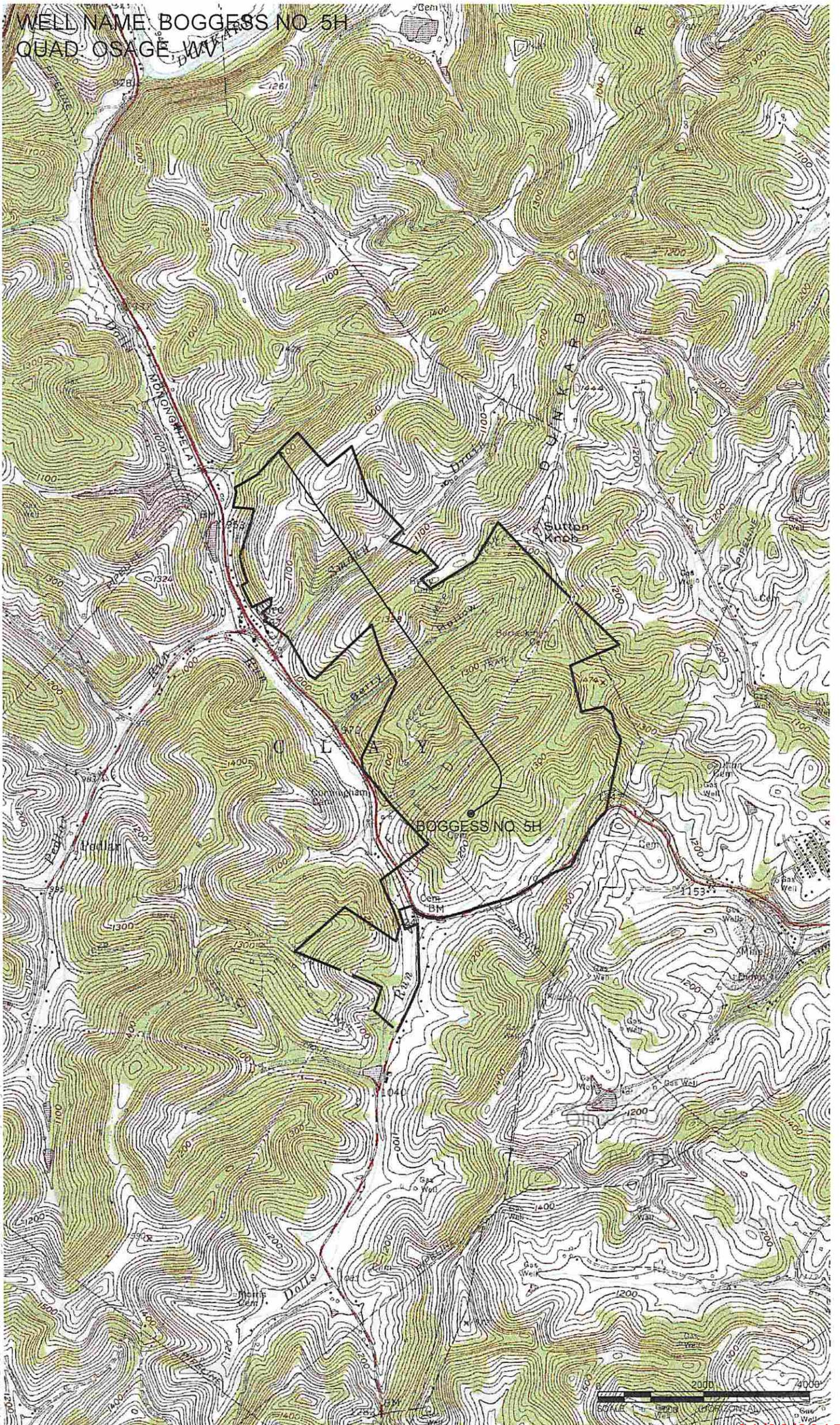
Longitude: 80° 05' 00" (NAD27)

SURFACE HOLE DEC. LAT. = 39.704030  
 SURVEYED LAT. = 39°40'13.45"

01690 H6A

01/30/2015

WELL NAME: BOGCESS NO. 5H  
QUAD: OSAGE, WV



F:\NorthEast 1438105\_Bogcess Well Per Survey\Draw\2014.09\_F\_BOGCESS\_5H.dwg 9/22/2014 4:05:28 PM

01/30/2015