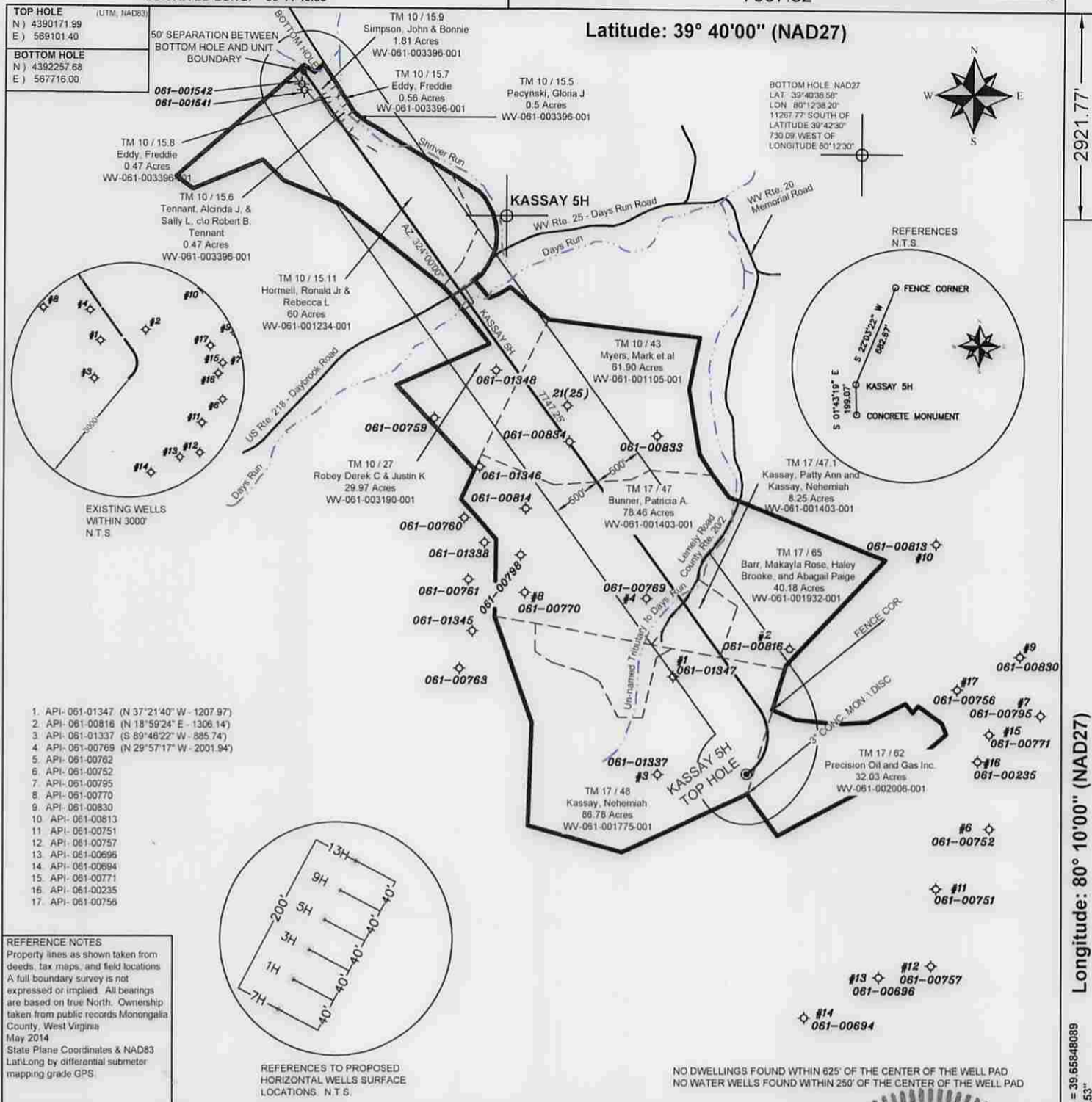


SURFACE HOLE DEC. LONG. = 80.19467535
 SURVEYED LONG. = 80°11'40.83"

7907.82'

Latitude: 39° 40'00" (NAD27)

2921.77'

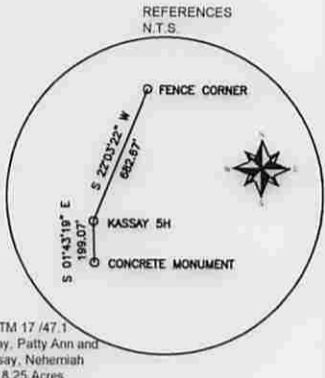
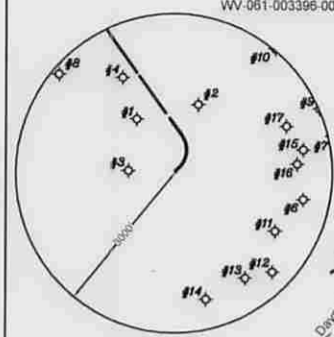


TOP HOLE (UTM, NAD83)
 N) 4390171.99
 E) 569101.40

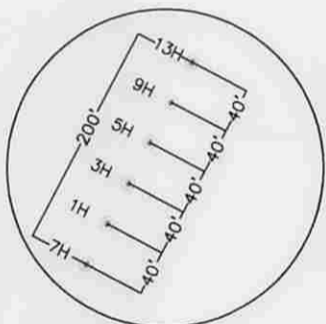
BOTTOM HOLE
 N) 4392257.68
 E) 567716.00

50' SEPARATION BETWEEN
 BOTTOM HOLE AND UNIT
 BOUNDARY

BOTTOM HOLE, NAD27
 LAT: 39°40'38.58"
 LONG: 80°12'38.20"
 11267.77' SOUTH OF
 LATITUDE 39°42'30"
 730.09' WEST OF
 LONGITUDE 80°12'30"



1. API-061-01347 (N 37°21'40" W - 1207.97')
2. API-061-00816 (N 18°59'24" E - 1306.14')
3. API-061-01337 (S 89°48'22" W - 885.74')
4. API-061-00769 (N 29°57'17" W - 2001.94')
5. API-061-00762
6. API-061-00752
7. API-061-00795
8. API-061-00770
9. API-061-00630
10. API-061-00613
11. API-061-00751
12. API-061-00757
13. API-061-00696
14. API-061-00694
15. API-061-00771
16. API-061-00235
17. API-061-00756



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.

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

NO DWELLINGS FOUND WITHIN 625' OF THE CENTER OF THE WELL PAD.
 NO WATER WELLS FOUND WITHIN 250' OF THE CENTER OF THE WELL PAD.

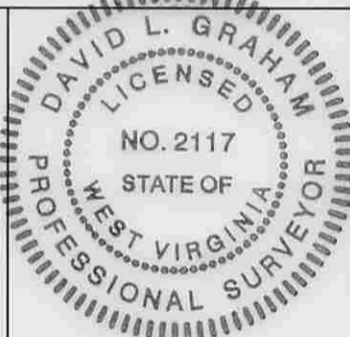
Longitude: 80° 10'00" (NAD27)

SURFACE HOLE DEC. LAT. = 39°39'30.53"
 SURVEYED LAT. = 39°39'30.53"

FILE#: 1338001
 SHEET#: 1 of 1
 SCALE: 1" = 1400'
 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: [Signature] 12.18.14
 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

DATE: DECEMBER 18, 2014
 OPERATOR'S WELL #: KASSAY NO.5H

API WELL #: 47 61 TBD
 STATE COUNTY PERMIT

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

WATERSHED: DUNKARD CREEK
 COUNTY / DISTRICT: MONONGALIA \ CLAY
 SURFACE OWNER: KASSAY, NEHEMIAH AND PATTY A.
 OIL & GAS ROYALTY OWNER: NEHEMIAH AND PATTY A. KASSAY, ET AL
 LEASE NUMBERS: SEE ABOVE

ELEVATION: 1554'
 QUADRANGLE: BLACKSVILLE, WV
 ACREAGE: 86.77
 ACREAGE: 400.43

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

ESTIMATED DEPTH: TVD: 8,248' TMD: 16,455'
 DESIGNATED AGENT: JOHN ADAMS, V.P. OPERATIONS
 ADDRESS: 707 VIRGINIA STREET, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP: 25301

01/02/2015

WELL NAME: KASSAY NO. 5H
QUAD: BLACKSVILLE, WV

4706101694

