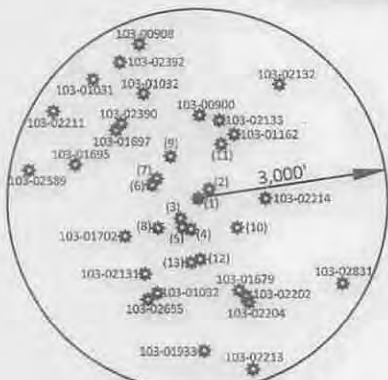
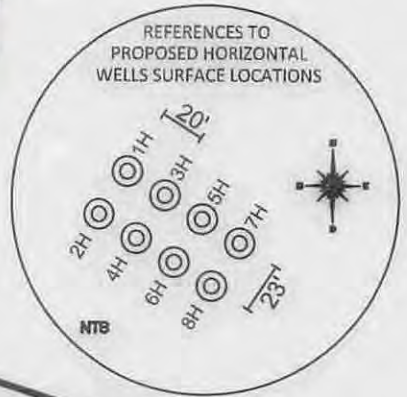
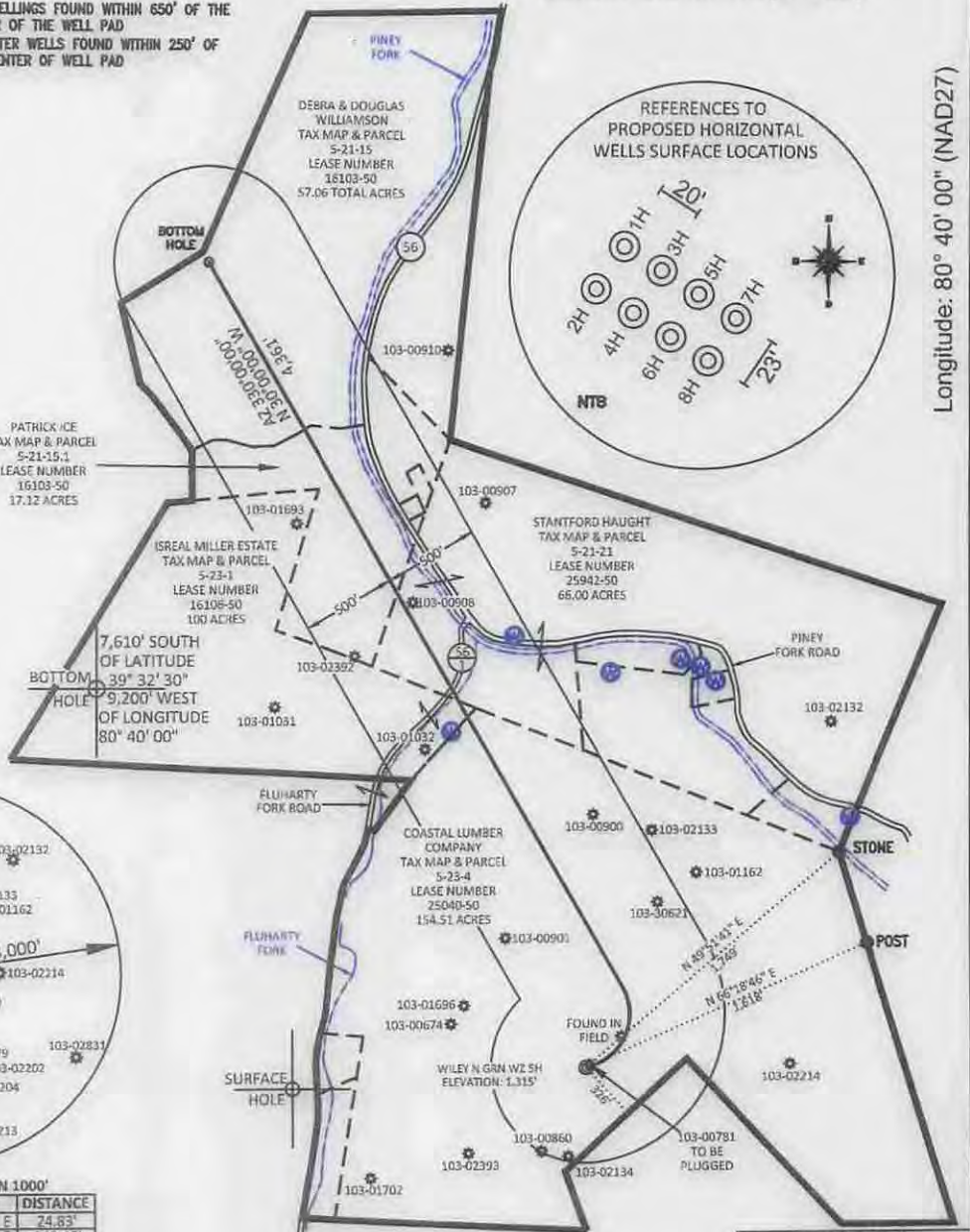


NO DWELLINGS FOUND WITHIN 650' OF THE CENTER OF THE WELL PAD  
 NO WATER WELLS FOUND WITHIN 250' OF THE CENTER OF WELL PAD



API NUMBER	BEARING	DISTANCE
(1) 103-00781	N 47° 38' 08" E	24.83'
(2) Found in Field	N 49° 17' 03" E	249.45'
(3) Found in Field	S 42° 01' 52" W	391.91'
(4) 103-02134	S 11° 48' 25" W	474.55'
(5) 103-00860	S 28° 21' 04" W	495.45'
(6) 103-00674	N 71° 58' 41" W	749.89'
(7) 103-01696	N 62° 53' 27" W	720.91'
(8) 103-02393	S 54° 25' 01" W	764.67'
(9) 103-00901	N 31° 46' 57" W	801.14'
(10) 103-02505	S 54° 55' 58" E	763.61'
(11) 103-30621	N 23° 43' 02" E	948.08'
(12) 103-02504	S 02° 56' 07" E	940.76'
(13) 103-72663	S 05° 50' 03" W	991.42'



TOP HOLE (UTM NAD 83)  
 N) 4373357.0  
 E) 526494.8  
 BOTTOM HOLE (UTM NAD 83)  
 N) 4374627.4  
 E) 525866.6

REFERENCE NOTES  
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Wetzel County, West Virginia JANUARY 2015  
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
 Drafted by: EAM

FILE #: AE003  
 DRAWING #: 2484  
 SCALE: PLAT - 1" = 1000'  
 TICK MARK - 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: 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:   
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304  
 Well Type:  Oil  Waste Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow  
 WATERSHED: FISHING CREEK  
 COUNTY/DISTRICT: WETZEL / GREEN  
 SURFACE OWNER: COASTAL LUMBER COMPANY  
 OIL & GAS ROYALTY OWNER: William H. McCoy  
 LEASE NUMBERS:

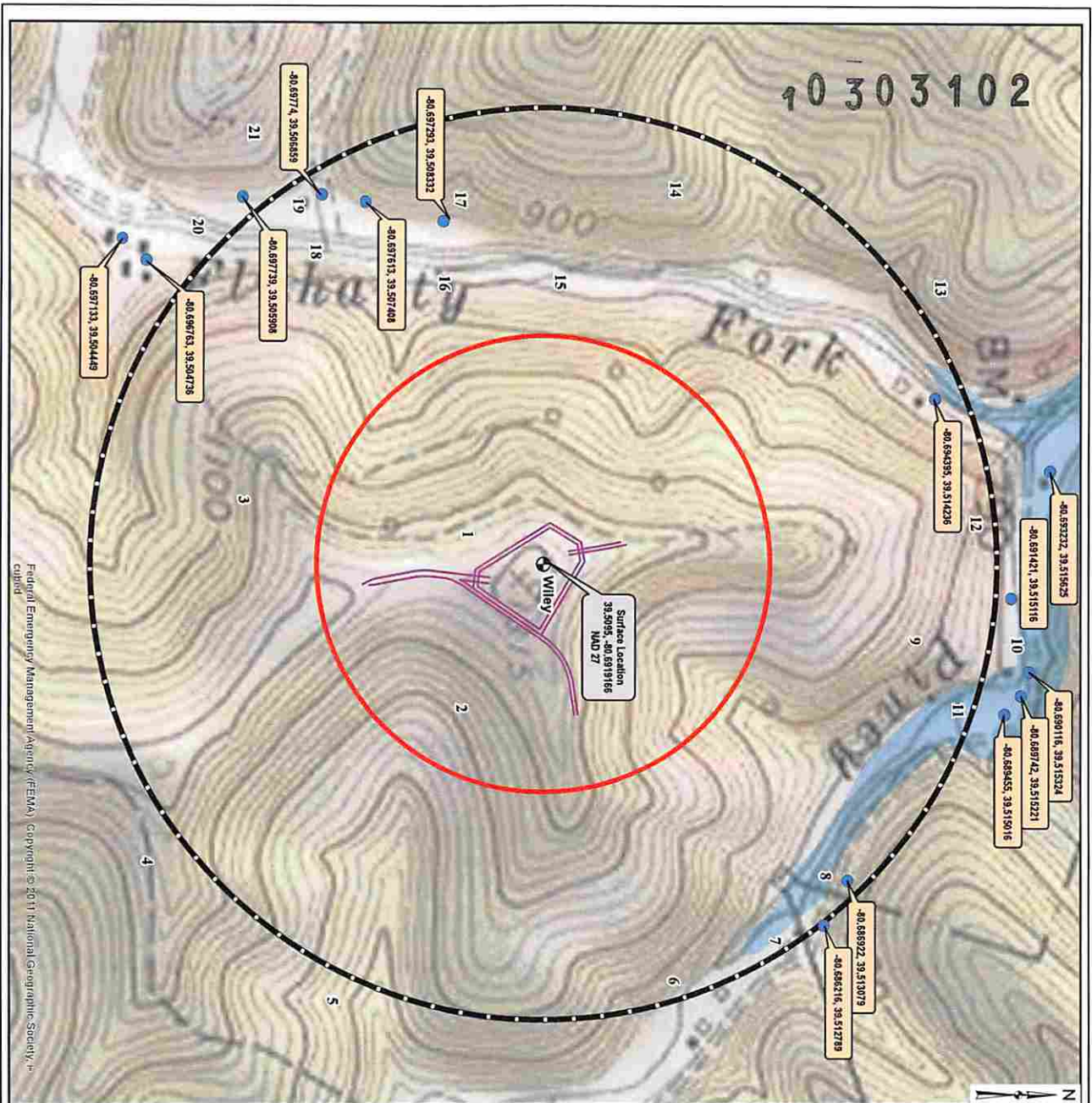
DATE: FEBRUARY 24, 2015  
 OPERATOR'S WELL #: WILEY N GRN WZ 5H  
 API WELL #: 47 103 03102 HGA  
 STATE COUNTY PERMIT

ELEVATION: 1315' = Current  
 1286.29' = Proposed  
 QUADRANGLE: PINE GROVE CENTER POINT, WV  
 ACREAGE: 154.51 +/-  
 ACREAGE: 394.42 +/-

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  
 ESTIMATED DEPTH: TVD: 7,277' TMD: 12,300'  
 WELL OPERATOR: American Energy-Marcellus LLC.  
 DESIGNATED AGENT: Eric B. Gillespie  
 ADDRESS: 3501 NW 63rd Street  
 ADDRESS: 103 Taryn Lane  
 CITY: Oklahoma City STATE: OK ZIP CODE: 73116  
 CITY: Cross Lanes STATE: WV ZIP CODE: 25313

SURFACE HOLE DEC. LAT: 39.508354 SURVEYED LAT: 39° 30' 33.7"



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PROPERTY NO.	PARCEL NO.	OWNER	ADDRESS
1	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
2	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
3	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
4	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
5	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
6	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
7	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
8	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
9	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
10	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
11	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
12	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
13	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
14	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
15	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
16	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
17	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
18	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
19	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
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21	03 200010000	WETTEL & COMPANY	1000 WETTEL RD

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20	03 200010000	WETTEL & COMPANY	1000 WETTEL RD
21	03 200010000	WETTEL & COMPANY	1000 WETTEL RD

- AEU Surface Location
- Access Road
- Streams and Rivers
- Water Well Location WW/
- AEU Testing Radius (2000')
- WADER Required Testing Radius (1000')
- Wetzel County Parcel Line
- 100 Year Flood Zones
- WW County Lines



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**WATER SAMPLING FIELD MAP**

**WILEY WELL PAD**  
WETZEL COUNTY, WV

AMERICAN ENERGY  
UTICA

ISSUE NO.	DATE	DESCRIPTION

06/26/2015