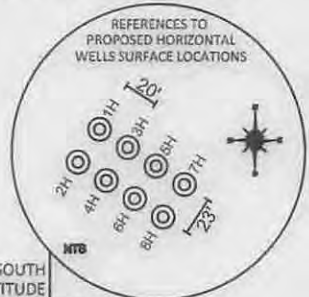
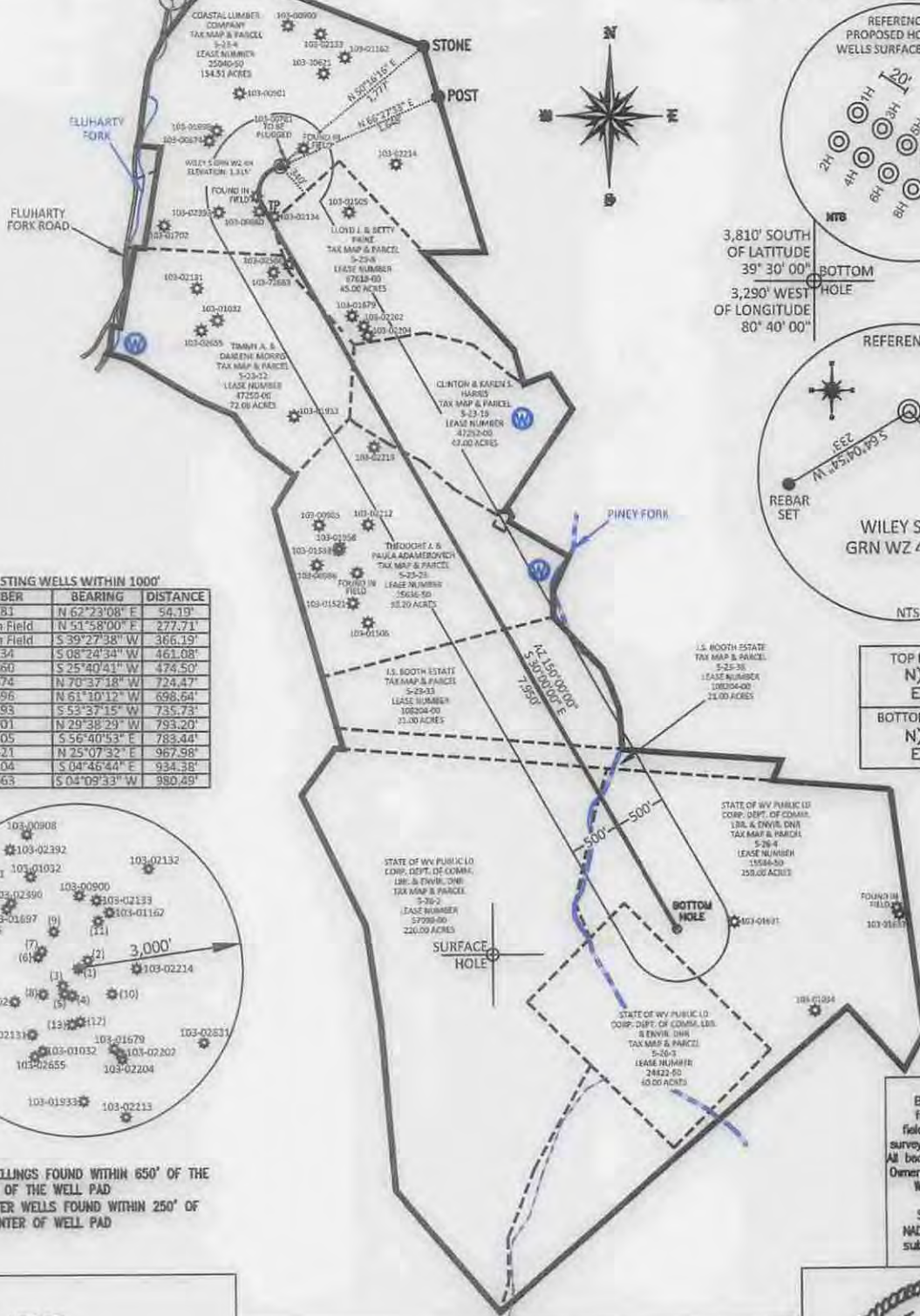


SURFACE HOLE DEC. LONG: 80.692087
SURVEYED LONG: 80° 41' 31.5"

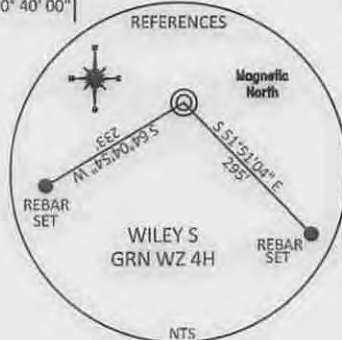
7,180'

Latitude: 39° 32' 30" (NAD27)

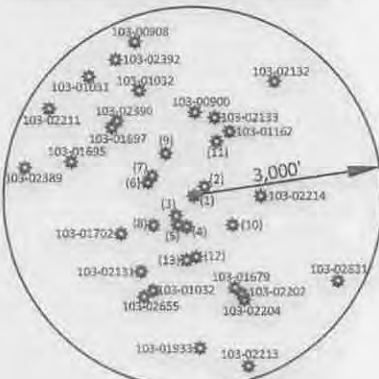
Longitude: 80° 40' 00" (NAD27)



3,810' SOUTH OF LATITUDE 39° 30' 00"
3,290' WEST OF LONGITUDE 80° 40' 00"



API NUMBER	BEARING	DISTANCE
1	103-00781	N 62° 23' 08" E 54.19'
2	Found in Field	N 51° 58' 00" E 277.71'
3	Found in Field	S 39° 27' 38" W 366.19'
4	103-02134	S 08° 24' 34" W 461.08'
5	103-00860	S 25° 40' 41" W 474.50'
6	103-00674	N 70° 37' 18" W 724.47'
7	103-01696	N 61° 30' 12" W 698.64'
8	103-02393	S 52° 37' 15" W 735.73'
9	103-00901	N 29° 38' 29" W 793.20'
10	103-02505	S 56° 40' 53" E 783.44'
11	103-30621	N 25° 07' 32" E 967.98'
12	103-02504	S 04° 46' 44" E 934.38'
13	103-72663	S 04° 09' 33" W 980.49'



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

TOP HOLE (UTM NAD 83)
N) 4373354.3
E) 526485.8
BOTTOM HOLE (UTM NAD 83)
N) 4371164.3
E) 527679.4

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 #: 2483
SCALE: PLAT - 1" = 1600'
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: *[Signature]*
L.L.S. #2124 : Ernest J. Benchek III



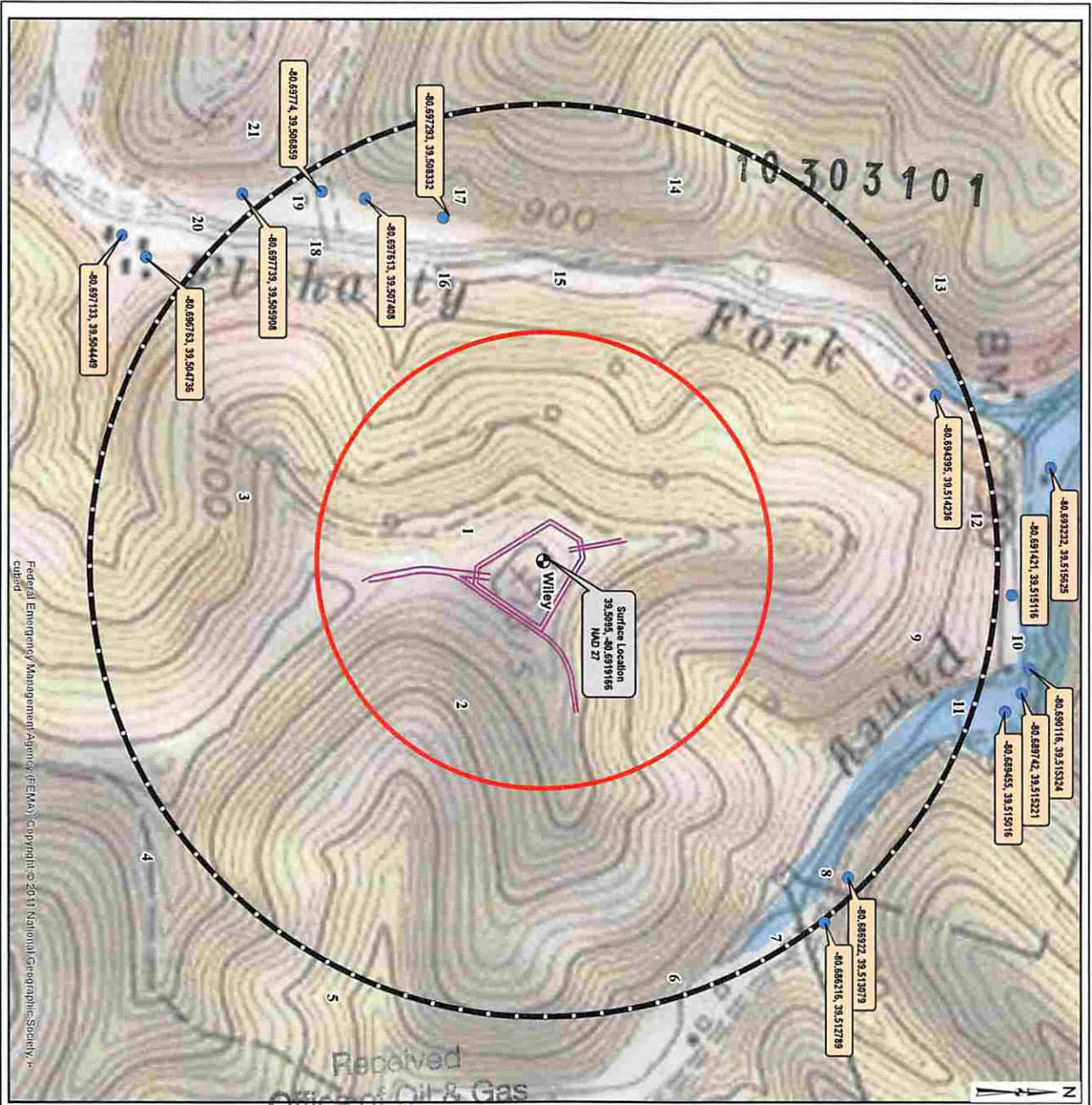
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304
Well Type: Oil Waste Diposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: FISHING CREEK
COUNTY/DISTRICT: WETZEL / GREEN
SURFACE OWNER: COASTAL LUMBER COMPANY
OIL & GAS ROYALTY OWNER:
LEASE NUMBERS: William H. McCoy

DATE: FEBRUARY 24, 2015
OPERATOR'S WELL #: WILEY S GRN WZ 4H
API WELL #: 47 103 0310 HBA
STATE COUNTY PERMIT
ELEVATION: 1315' = Current
1286.29' = Proposed
QUADRANGLE: PINE GROVE CENTER POINT, WV
ACREAGE: 154.51 + 06/26/2015
ACREAGE: 900.77 +/-

TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: TVD: 7,273' TMD: 15,600'
WELL OPERATOR: American Energy-Marcellus LLC.
DESIGNATED AGENT: Eric B. Gillespie
ADDRESS: 3501 NW 63rd Street
CITY: Oklahoma City STATE: OK ZIP CODE: 73116
ADDRESS: 103 Taryn Lane
CITY: Cross Lanes STATE: WV ZIP CODE: 25313

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



Received
Office of Oil & Gas

MAR 12 2015

PROPERTY #	PARCEL NO.	OWNER	LATTITUDE	LONGITUDE	ACRES
1	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
2	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
3	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
4	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
5	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
6	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
7	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
8	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
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11	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
12	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
13	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
14	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
15	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
16	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
17	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
18	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
19	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
20	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
21	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00

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5	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
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17	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
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19	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
20	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00
21	02 200000000	WETZEL COUNTY COMMER	39.51137	-80.51278	1.00

Scale: 0 to 450 Feet

Legend:

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