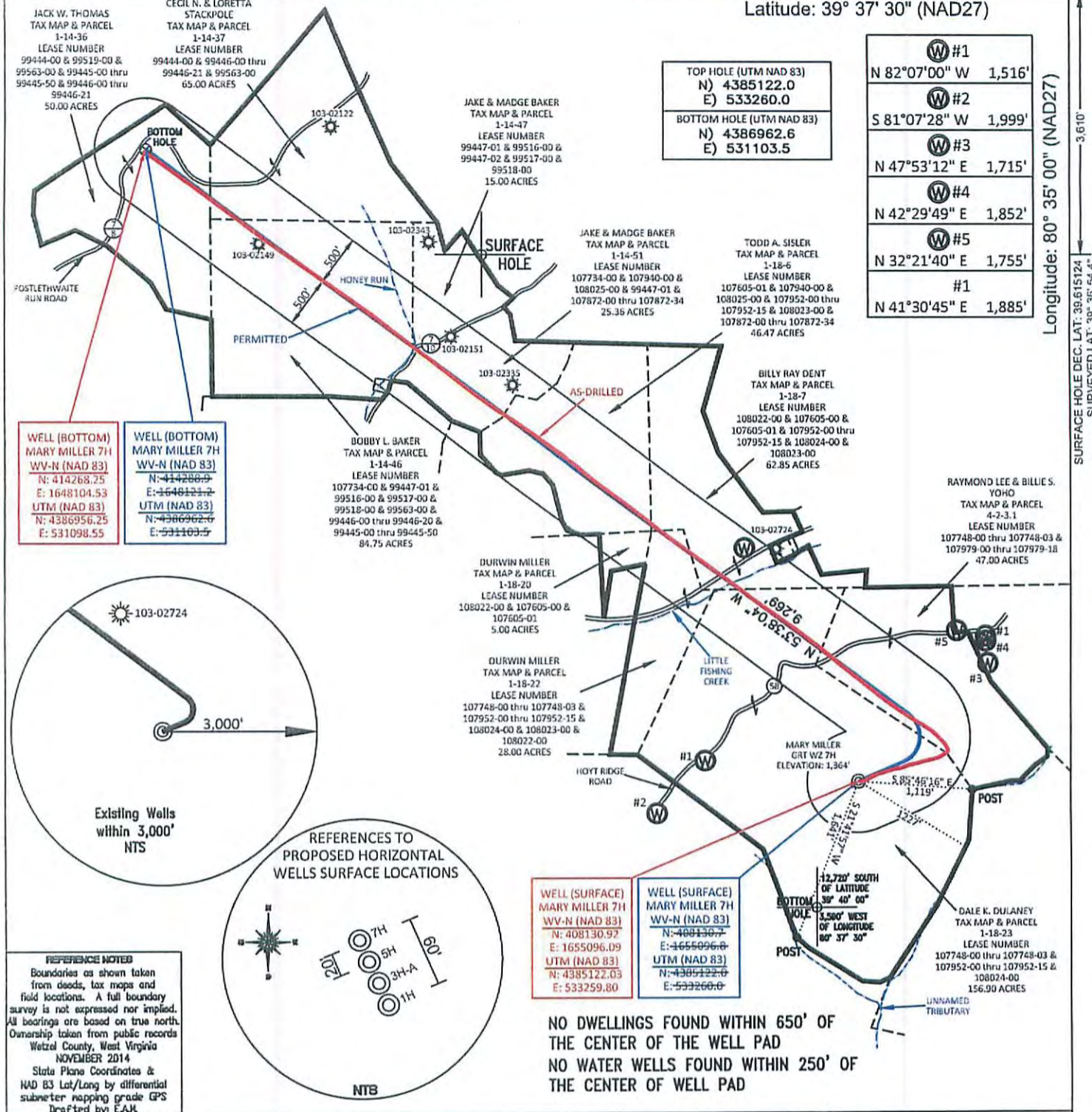


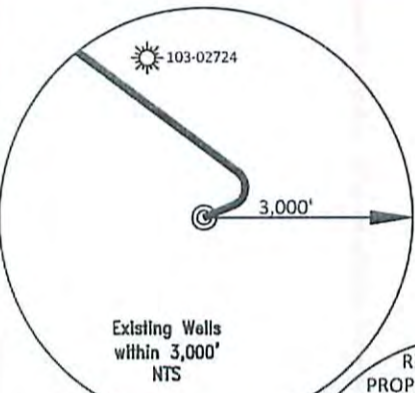
SURFACE HOLE DEC. LONG: 80.612709  
SURVEYED LONG: 80° 36' 45.8"

Latitude: 39° 37' 30" (NAD27)

Longitude: 80° 35' 00" (NAD27)



**WELL (BOTTOM) MARY MILLER 7H**  
WV-N (NAD 83)  
N: 414268.25  
E: 1648104.53  
UTM (NAD 83)  
N: 4386956.25  
E: 531098.55



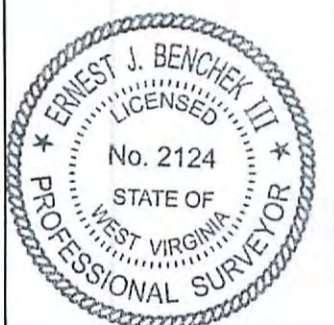
**REFERENCE NOTES**  
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Wetzel County, West Virginia NOVEMBER 2014  
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
Drafted by: EAJ

**WELL (SURFACE) MARY MILLER 7H**  
WV-N (NAD 83)  
N: 408130.97  
E: 1655096.09  
UTM (NAD 83)  
N: 4385122.03  
E: 533259.80

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

FILE #: AE001  
DRAWING #: 2457  
SCALE: PLAT - 1" = 1400'  
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 / CENTER  
SURFACE OWNER: DALE K. DULANEY  
OIL & GAS ROYALTY OWNER: PATSY C. FISH, ARTHUR R. & JOAN E. MILLER, CONNIE S. WHITE, KEITH R. MOORE  
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: American Energy-Marcellus LLC.  
ADDRESS: 3501 NW 63rd Street  
CITY: Oklahoma City STATE: OK ZIP CODE: 73116  
DATE: NOVEMBER 18, 2015  
OPERATOR'S WELL #: MARY MILLER GRT WZ 7H AS-DRILLED  
API WELL #: 47 103  
STATE COUNTY PERMIT  
ASBUILT ELEVATION: 1,364'  
QUADRANGLE: BIG RUN, WV  
ACREAGE: 156.90 + / 01/08/2016  
ACREAGE: 564.33 +/-  
ESTIMATED DEPTH: TVD: 7,531.20' TMD: 17,064'  
DESIGNATED AGENT: Eric B. Gillespie  
ADDRESS: 103 Taryn Lane  
CITY: Cross Lanes STATE: WV ZIP CODE: 25313