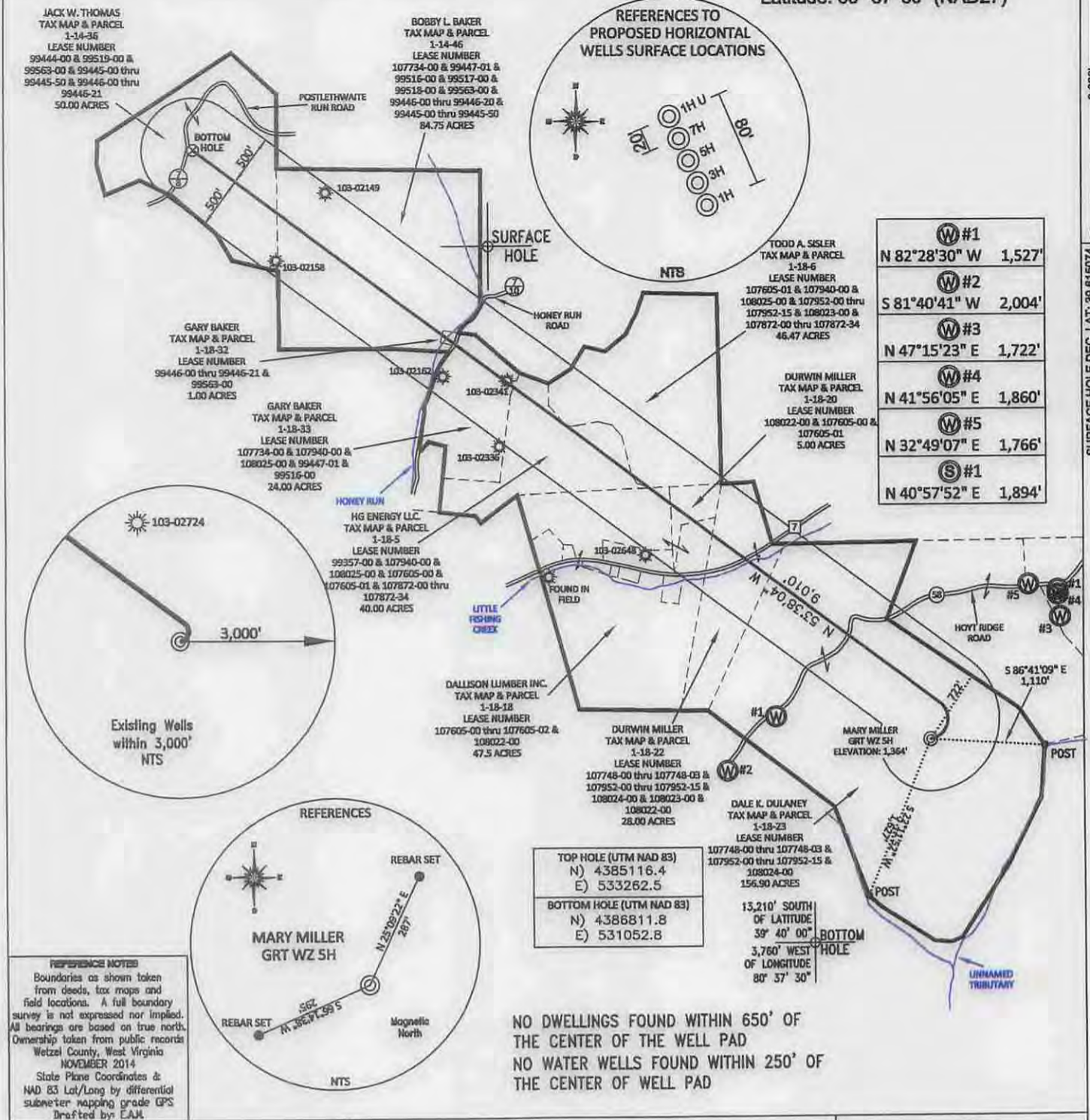


SURFACE HOLE DEC. LONG: 80.812680
SURVEYED LONG: 80° 36' 45.7"

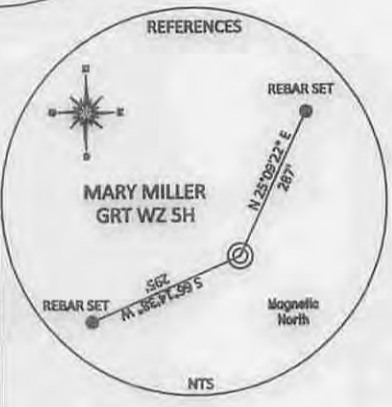
8,270'

Latitude: 39° 37' 30" (NAD27)

SURFACE HOLE DEC. LAT: 39.615074
SURVEYED LAT: 39° 36' 54.3"



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



TOP HOLE (UTM NAD 83)	N) 4385116.4	E) 533262.5
BOTTOM HOLE (UTM NAD 83)	N) 4386811.8	E) 531052.8

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 #: 2456
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:

DATE: FEBRUARY 23, 2015
OPERATOR'S WELL #: MARY MILLER GRT WZ 5H
API WELL #: 47 103 03072H6A
STATE COUNTY PERMIT

ASBUILT ELEVATION: 1,364'
QUADRANGLE: BIG RUN, WV
ACREAGE: 156.90 +/-
ACREAGE: 479.62 +/-

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: 7,439' TMD: 16,900'
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: 26313

03/06/2015

4710303072

WELL NAME: MARY MILLER GRT WZ 7H
QUAD: BIG RUN, WV

