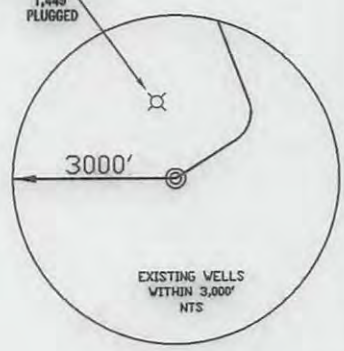
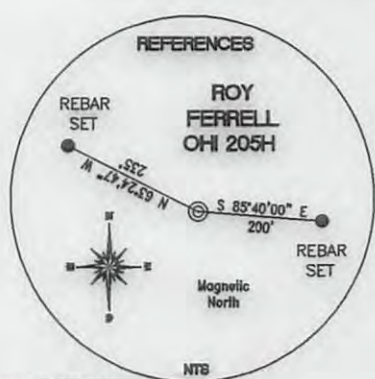
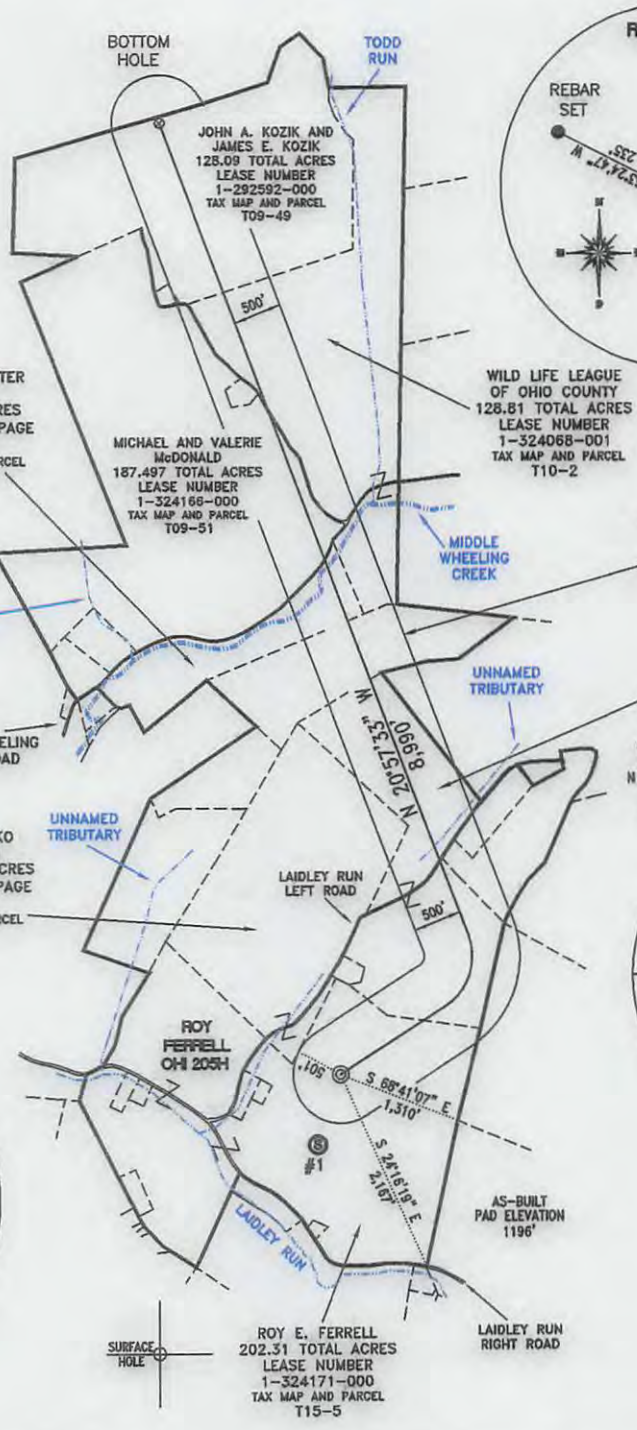
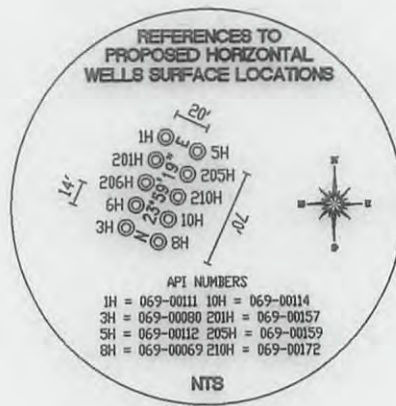


TH (UTM-NAD 83)
 N) 4432663.9
 E) 540015.2
 BOTTOM HOLE (UTM-NAD 83)
 N) 4435647.9
 E) 539393.9

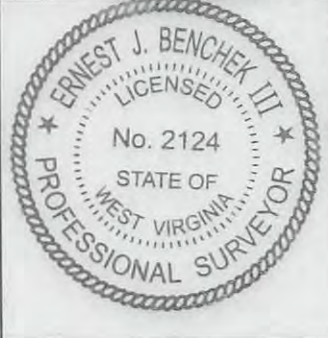
SPRING #1
 S 18°53'01" W 758'



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 Brooke County, West Virginia DECEMBER 2011 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by: E.A.M.

FILE #: CHE 034
 DRAWING #: 1972
 PLAT = 1" - 2000'
 SCALE: TICK MARK = 1" - 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE SUBMETER MAPPING OF ELEVATION: 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

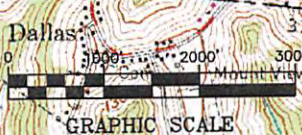
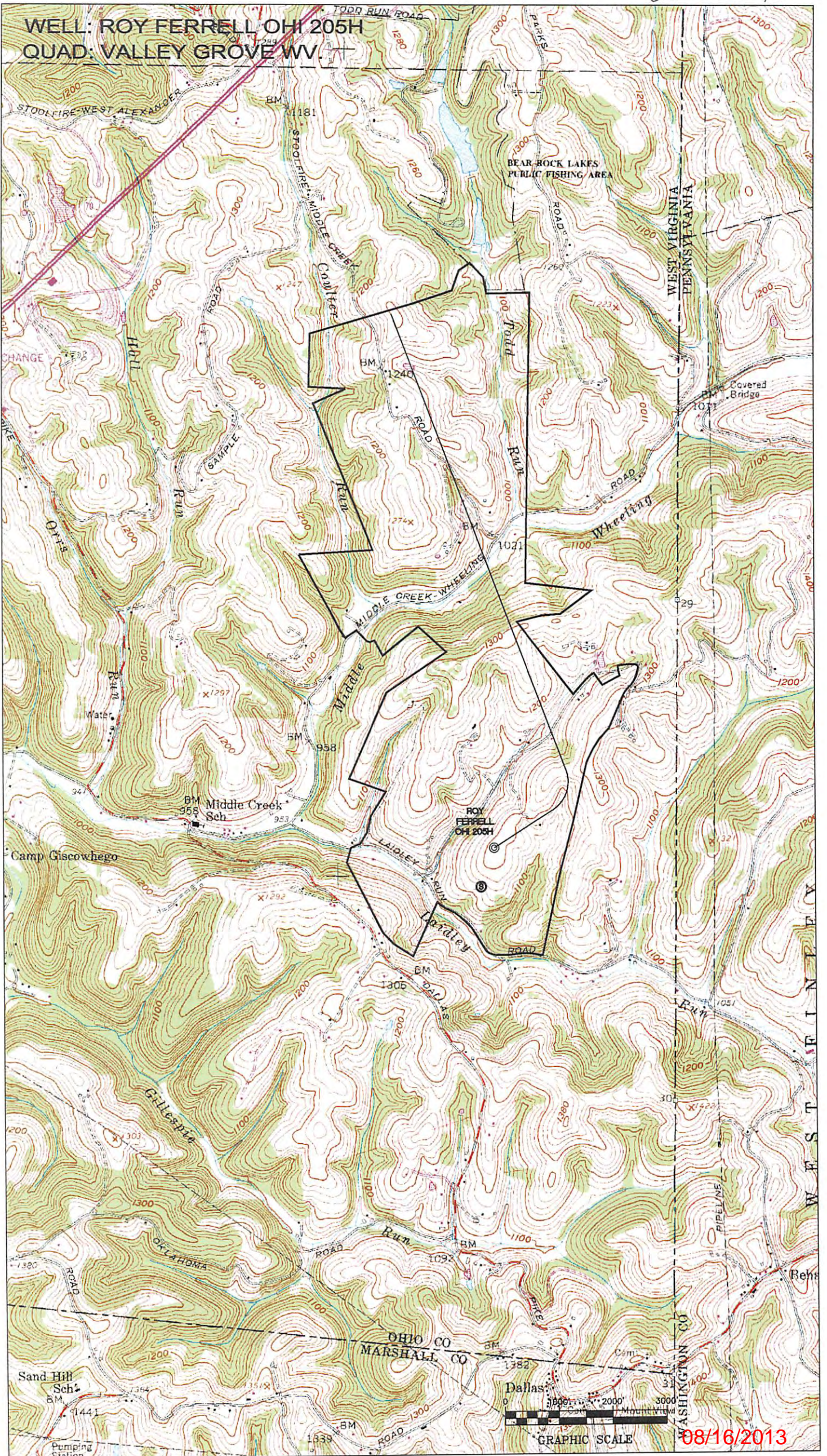


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Diposal Production Deep Gas Liquid Injection Storage Shallow
 WATERSHED: WHEELING CREEK
 COUNTY/DISTRICT: OHIO/TRIADELPHIA
 SURFACE OWNER: ROY E. FERRELL
 OIL & GAS ROYALTY OWNER: ROY E. FERRELL
 LEASE NUMBERS: _____
 TARGET FORMATION: MARCELLUS
 WELL OPERATOR : CHESAPEAKE APPALACHIA, LLC.
 ADDRESS: PO BOX 18496
 CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496

DATE: JULY 26, 2013
 OPERATOR'S WELL #: ROY FERRELL OHI 205H
 API WELL #: 47 69 **MOD 00159 H6A**
 STATE COUNTY PERMIT
 ELEVATION : 1,196'
 QUADRANGLE: VALLEY GROVE WV.
 ACREAGE: 202.31 +/-
 ACREAGE: 814.117 +/-
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____
 ESTIMATED DEPTH: TVD: 6,660' TMD: 16,320'
 DESIGNATED AGENT : ERIC B. GILLESPIE
 ADDRESS: Po Box 6070
 CITY: CHARLESTON STATE: WV

08/16/2013

WELL: ROY FERRELL OH 205H
QUAD: VALLEY GROVE WV.



08/16/2013