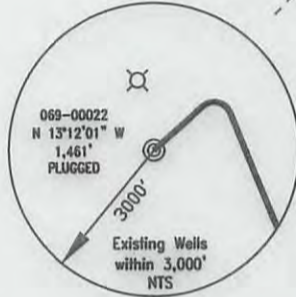
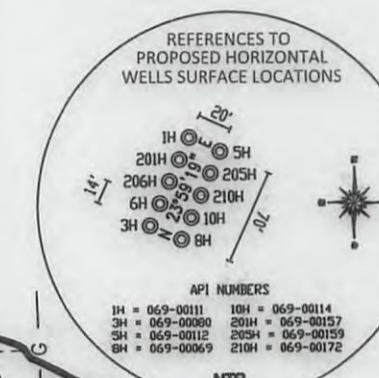
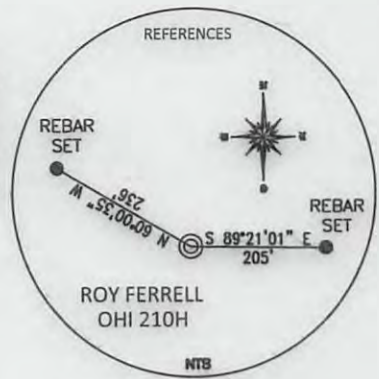
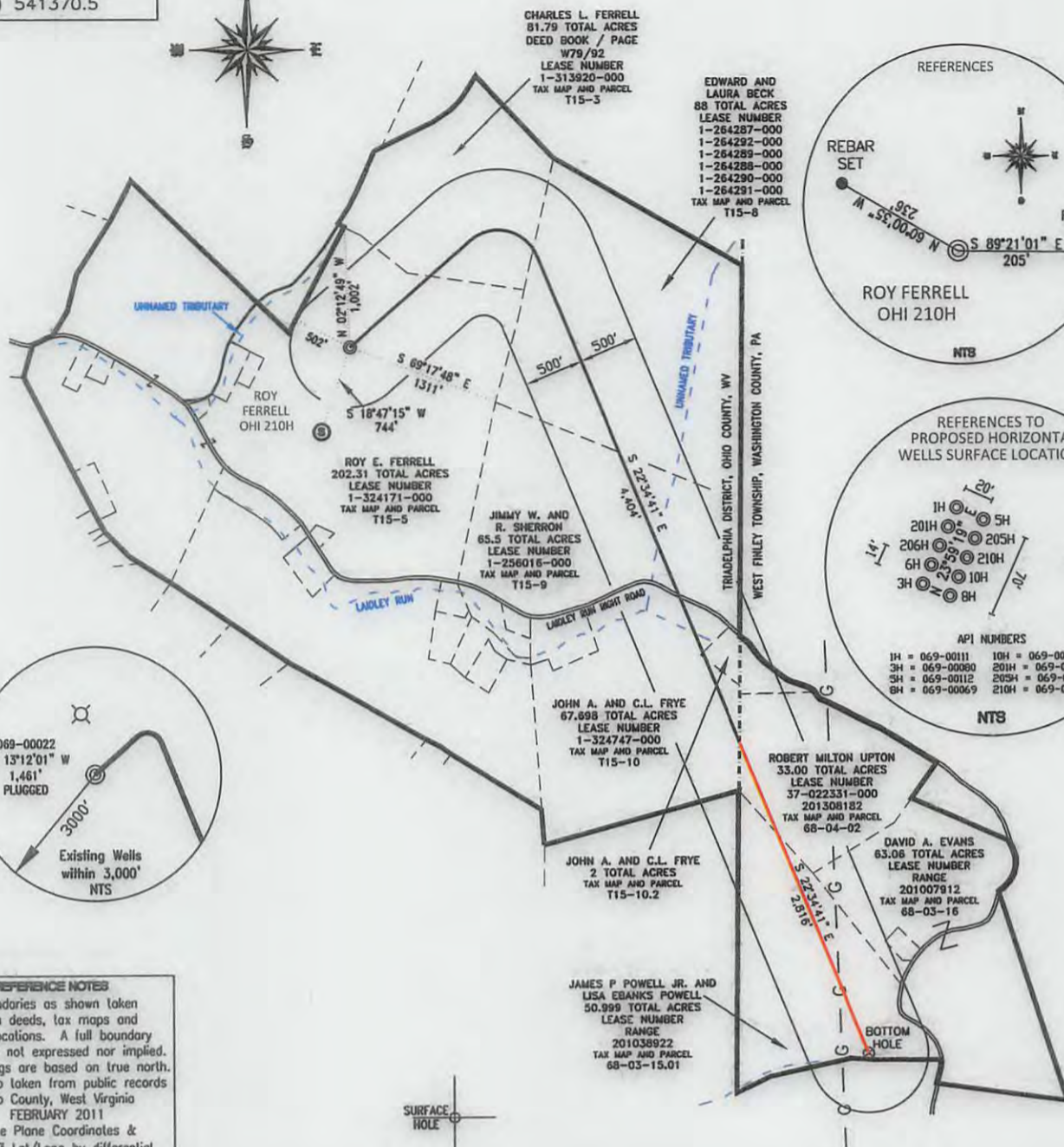
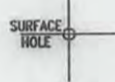


TOP HOLE (UTM 83)
N) 4432660.0
E) 540013.5

BOTTOM HOLE (UTM 83)
N) 4430881.0
E) 541370.5



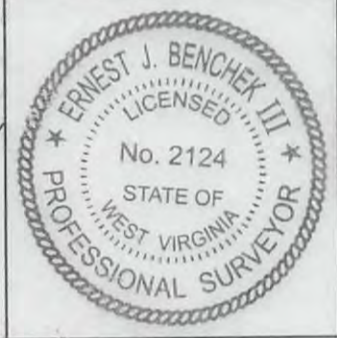
REFERENCE NOTES
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Ohio County, West Virginia FEBRUARY 2011 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
Drafted by: E.A.M.



FILE #: CHE 034
DRAWING #: 1975
SCALE: PLAT = (1"=1400')
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. Benckek 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 ELEVATION : 1,205'

COUNTY/DISTRICT: OHIO/TRIADELPHIA QUADRANGLE: VALLEY GROVE WV.

SURFACE OWNER: ROY E. FERRELL ACREAGE: 202.31 +/-

OIL & GAS ROYALTY OWNER: ROY E. FERRELL ACREAGE: 591.30 +/-

LEASE NUMBERS: _____

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

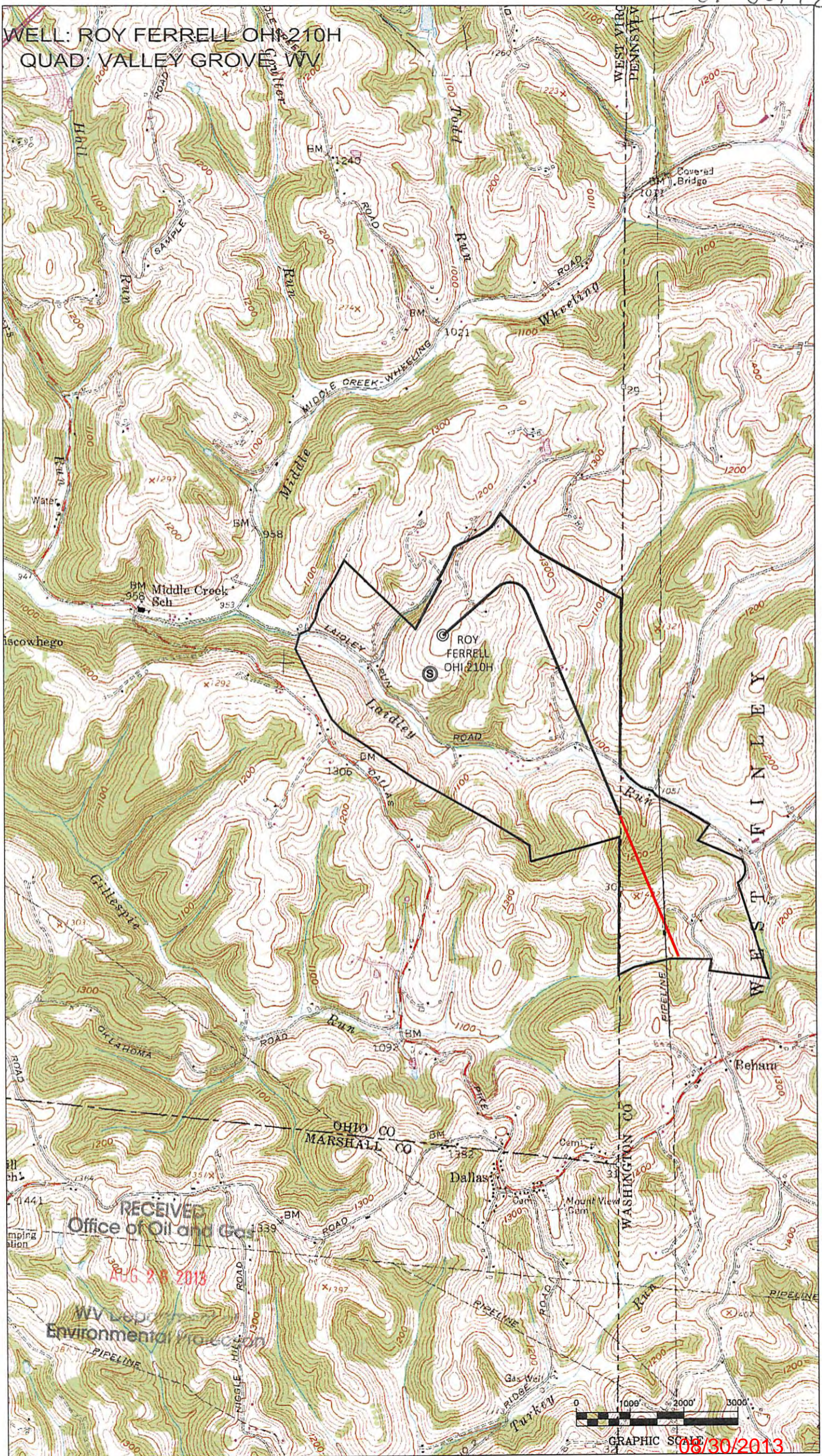
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,729' TMD: 14,546'

WELL OPERATOR : CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT : ERIC B. GILLESPIE
ADDRESS: PO BOX 18496 ADDRESS: Po Box 6070
CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

SURFACE HOLE DEC. LAT: 40.043149
SURVEYED LAT: 40° 02' 35.3"

08/30/2013

WELL: ROY FERRELL OHI 210H
QUAD: VALLEY GROVE WV



RECEIVED
Office of Oil and Gas

AUG 28 2013

WV DEPT
Environmental Protection



GRAPHIC SCALE

08/30/2013