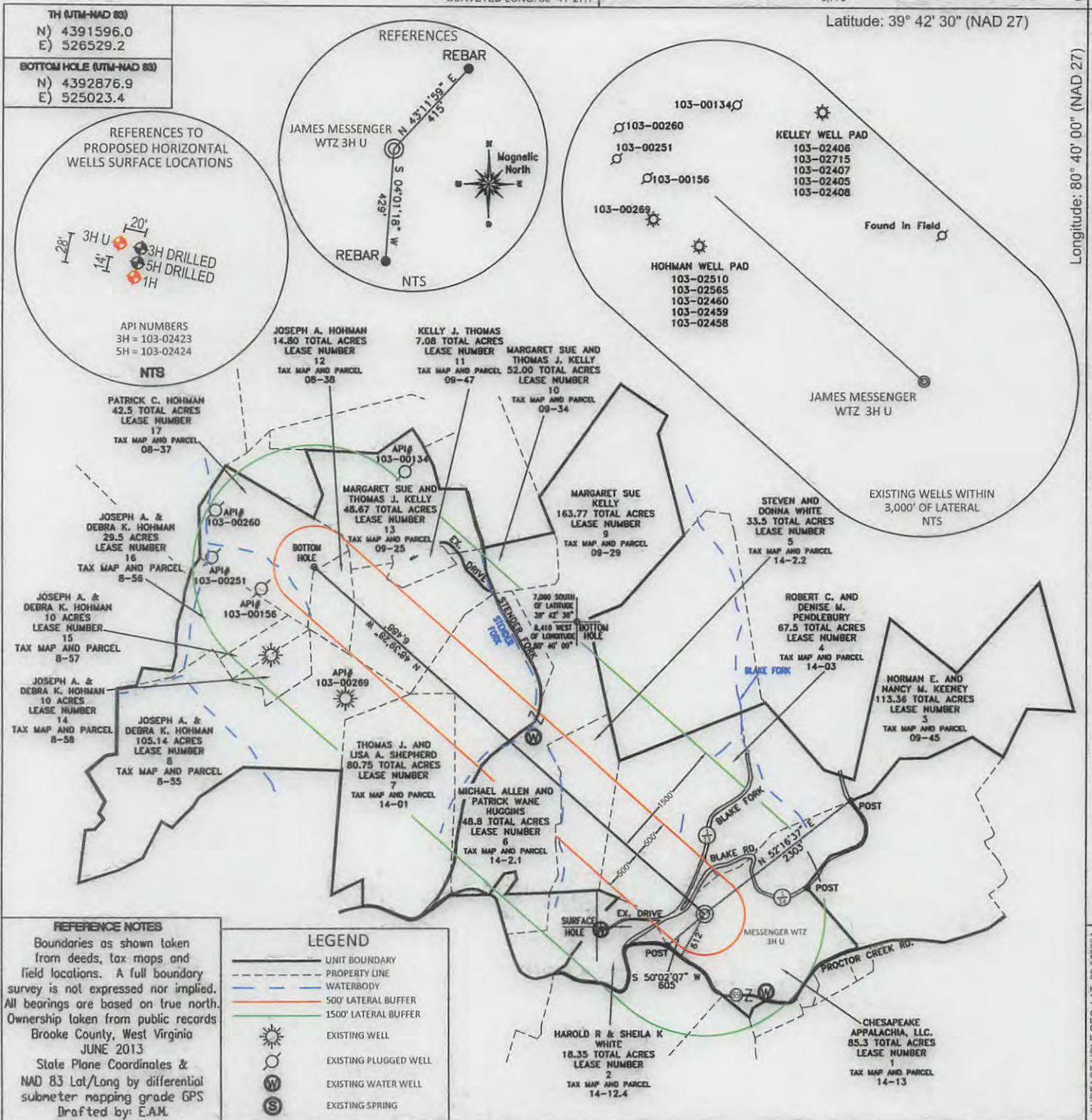


SURFACE HOLE DEC. LONG: 80.690861  
 SURVEYED LONG: 80° 41' 27.1"

Latitude: 39° 42' 30" (NAD 27)

Longitude: 80° 40' 00" (NAD 27)

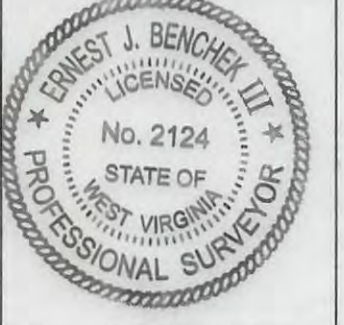


**REFERENCE NOTES**  
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Brooke County, West Virginia JUNE 2013  
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
 Drafted by: E.A.M.

**LEGEND**  
 — UNIT BOUNDARY  
 - - - PROPERTY LINE  
 - - - WATERBODY  
 - - - 500' LATERAL BUFFER  
 - - - 1500' LATERAL BUFFER  
 ☀ EXISTING WELL  
 Ⓢ EXISTING PLUGGED WELL  
 Ⓜ EXISTING WATER WELL  
 Ⓢ EXISTING SPRING

FILE #: CHE 117  
 DRAWING #: 2272  
 SCALE: PLAT - 1" = 1800'  
 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:   
 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

DATE: NOVEMBER 7, 2013  
 OPERATOR'S WELL #: James Messenger WTZ 3H U  
 API WELL #: 47 103 02973 H U  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow AS-BUILT

WATERSHED: FISH CREEK PAD ELEVATION: 1495'

COUNTY/DISTRICT: WETZEL / PROCTOR QUADRANGLE: WILEYSVILLE, WV.  
 SURFACE OWNER: CHESAPEAKE APPALACHIA, LLC. ACREAGE: 85.3 +/-  
 OIL & GAS ROYALTY OWNER: CHESAPEAKE APPALACHIA, LLC. ACREAGE: 931.02 +/-  
 LEASE NUMBERS: \_\_\_\_\_

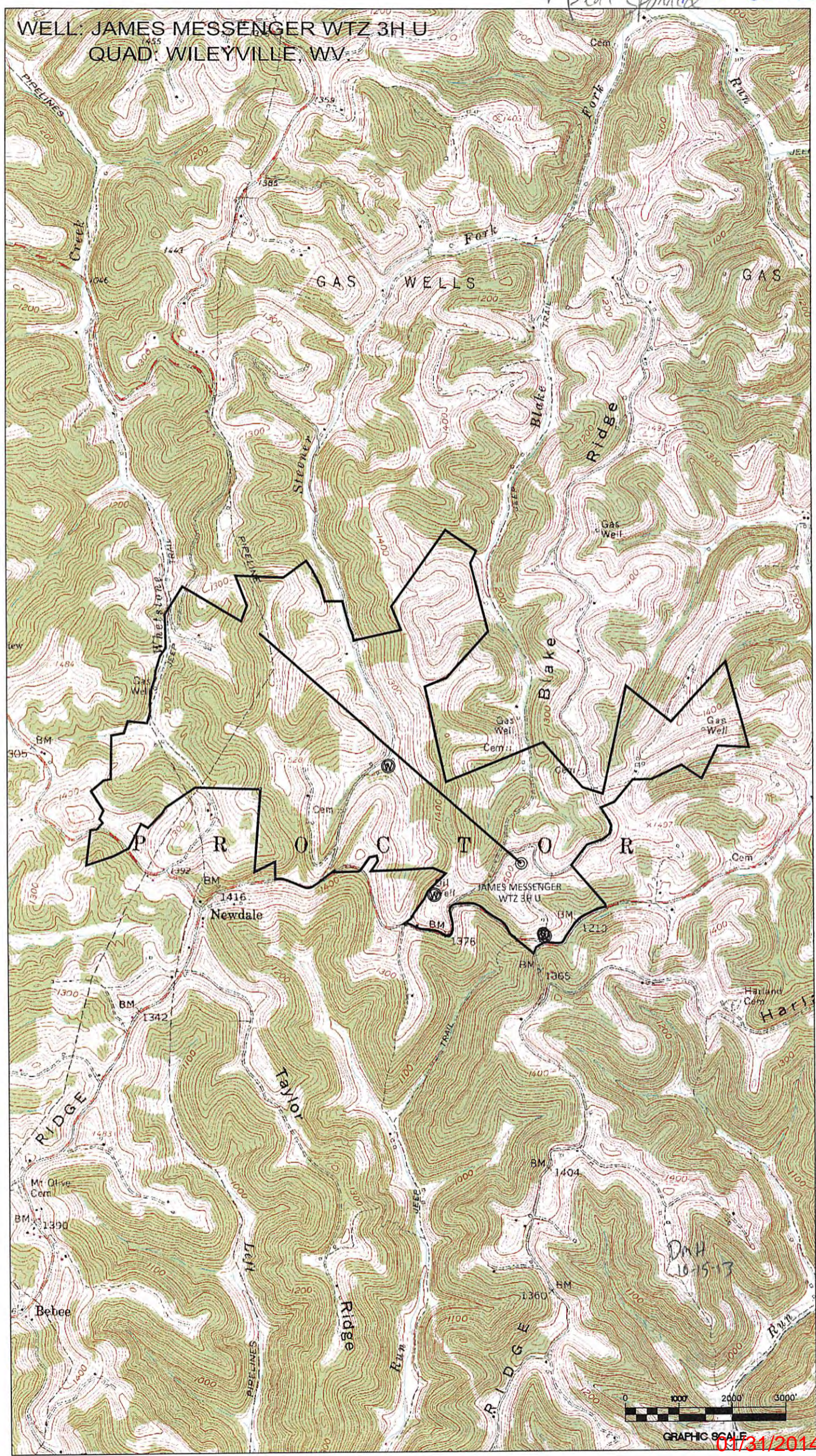
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: UTICA ESTIMATED DEPTH: TVD: 12,215' TMD: 18,990'  
 WELL OPERATOR: CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT: ERIC GILLESPIE  
 ADDRESS: PO BOX 18496 ADDRESS: PO BOX 6070  
 CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496 CITY: CHARLESTON STATE: WV ZIP CODE: 25304

01/31/2014

✓ Plat spotted 3 02973H U

WELL: JAMES MESSENGER WTZ 3H U  
QUAD: WILEYVILLE, WV



GRAPHIC SCALE  
01/31/2014