

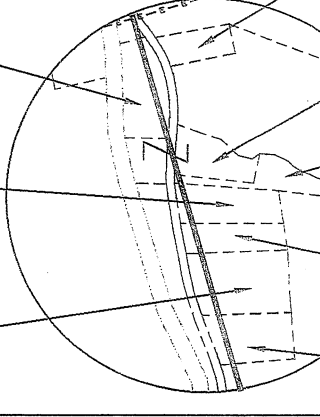
REFERENCE LINES	
RL #1	N 63°11'38" E 184'

<b>TOP HOLE (NAD 83)</b> N) 627280.6 E) 1664192.4 LAT.) 40°13'01.5" LONG.) 80°35'22.8" DEC. LAT.) 40.217088 DEC. LONG.) 80.589872	<b>TP (NAD 83)</b> N) 627363.5 E) 1664357.2 LAT.) 40°13'02.3" LONG.) 80°35'20.7" DEC. LAT.) 40.217320 DEC. LONG.) 80.589086
<b>TOP HOLE (NAD 27)</b> N) 627243.6 E) 1695627.0 LAT.) 40°13'01.2" LONG.) 80°35'23.5" DEC. LAT.) 40.217016 DEC. LONG.) 80.589876	<b>TP (NAD 27)</b> N) 627326.5 E) 1695791.8 LAT.) 40°13'02.0" LONG.) 80°35'21.4" DEC. LAT.) 40.217249 DEC. LONG.) 80.589290
<b>KOP (NAD 83)</b> N) 626883.6 E) 1664496.4 LAT.) 40°12'57.6" LONG.) 80°35'18.8" DEC. LAT.) 40.216008 DEC. LONG.) 80.588566	<b>BOTTOM HOLE (NAD 83)</b> N) 631880.9 E) 1663046.6 LAT.) 40°13'46.8" LONG.) 80°35'38.3" DEC. LAT.) 40.229676 DEC. LONG.) 80.593975
<b>KOP (NAD 27)</b> N) 626846.6 E) 1695931.0 LAT.) 40°12'57.3" LONG.) 80°35'19.5" DEC. LAT.) 40.215937 DEC. LONG.) 80.588771	<b>BOTTOM HOLE (NAD 27)</b> N) 631843.8 E) 1694481.3 LAT.) 40°13'46.5" LONG.) 80°35'39.0" DEC. LAT.) 40.229605 DEC. LONG.) 80.594179

WILLIAM AND HAZEL JOHNSTON  
 1.33 TOTAL ACRES  
 LEASE NUMBER 1-324527-000  
 TAX MAP AND PARCEL B37-53.1

ERVIN R. AND ARLENE COWAN  
 1.11 TOTAL ACRES  
 LEASE NUMBER 1-342830-001  
 1-342830-002  
 TAX MAP AND PARCEL B37-56

JACOB AND MELISSA HUDSON  
 1.838 TOTAL ACRES  
 LEASE NUMBER 1-342830-001  
 1-342830-002  
 1-342830-003  
 TAX MAP AND PARCEL B37-59



MARLIN G. AND JOY CRAWFORD  
 1.328 TOTAL ACRES  
 LEASE NUMBER 1-342829-000  
 TAX MAP AND PARCEL B37-55

ROBERT AND KAREN KLINE  
 1.07 TOTAL ACRES  
 LEASE NUMBER 1-342830-001  
 1-342830-002  
 TAX MAP AND PARCEL B37-57

SHELDON AND CHARLOTTE BEAUTY  
 1.5 TOTAL ACRES  
 LEASE NUMBER 1-342890-000  
 TAX MAP AND PARCEL B37-81

**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 APRIL 2011  
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
 Drafted by E.A.M.

FILE #: CHE 074  
 DRAWING #: 1681  
 SCALE: 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

Well Type:  Oil  Waste Diposal  Production  Deep  Gas  Liquid Injection  Storage  Shallow

WATERSHED: UPPER OHIO SOUTH ELEVATION: 745'

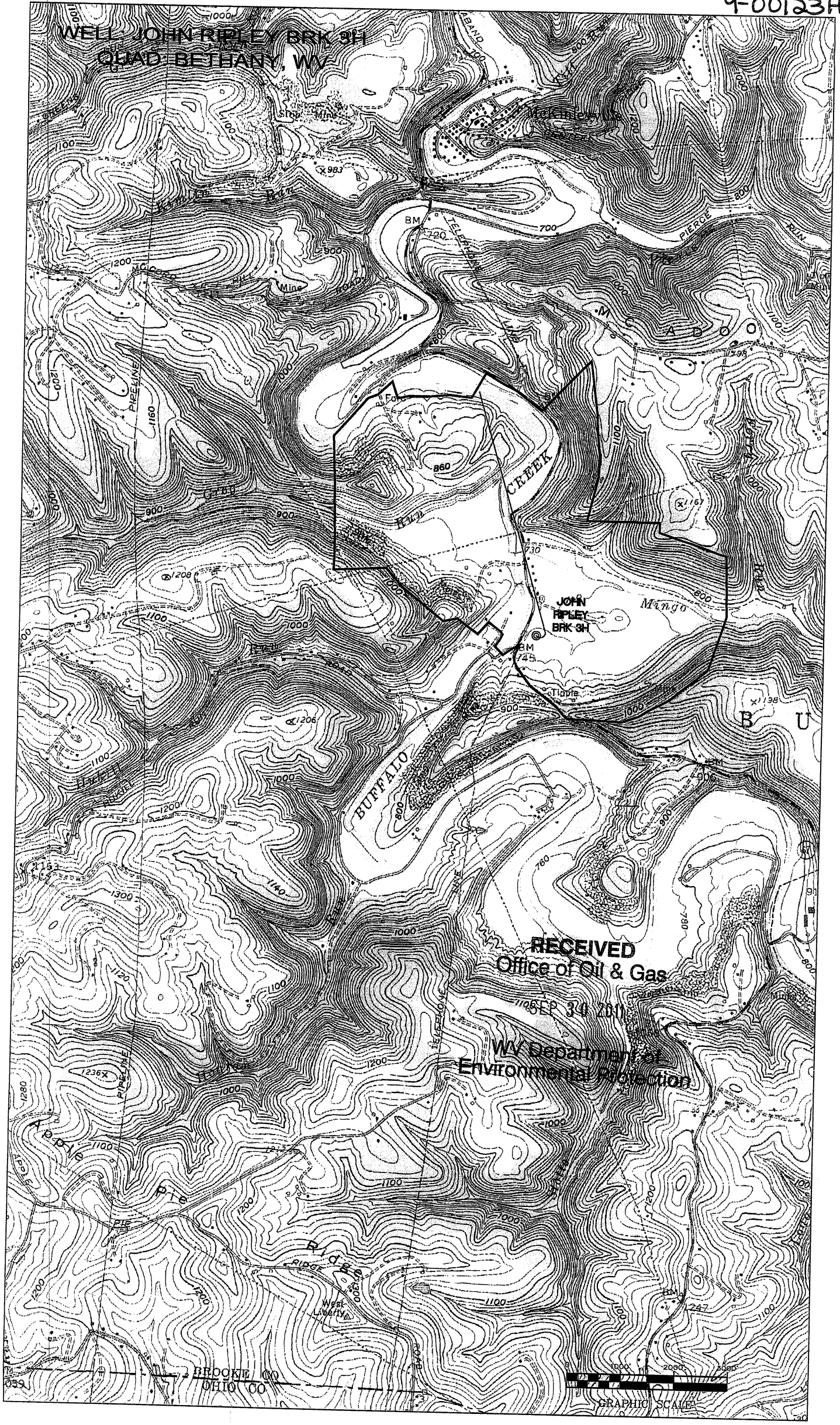
COUNTY/DISTRICT: BROOKE/BUFFALO QUADRANGLE: BETHANY WV.

SURFACE OWNER: JOHN E. AND SHERRILL J. RIPLEY ACREAGE: 95.399 +/-  
 OIL & GAS ROYALTY OWNER: JOHN E. AND SHERRILL J. RIPLEY ACREAGE: 462.92 +/-  
 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: 5,455' TMD: 9,689'  
 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

WELL JOHN RIPLEY BRK 3H  
QUAD BETHANY, WV



RECEIVED  
Office of Oil & Gas

SEP 30 2010

WV Department of  
Environmental Protection

GRAPHIC SCALE