

Top Hole Latitude: 40°15'00"

10,934'

Bottom Hole Latitude: 40°15'00" 8,189'

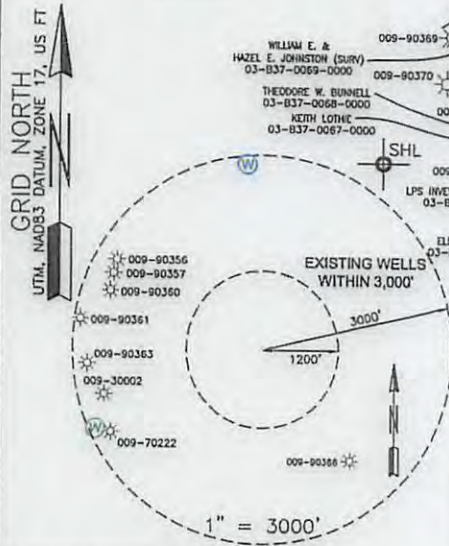
# THRASHER

THE THRASHER GROUP, INC.  
600 WHITE OAKS BLVD.  
BRIDGEPORT, WV 26330  
PHONE 304-624-4108

### NOTES ON SURVEY

- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



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| <b>SURFACE HOLE LOCATION (SHL):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,452,682.814<br>EASTING: 535,681.814 |
| <b>LANDING POINT LOCATION (LPL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,452,705.616<br>EASTING: 535,884.969 |
| <b>BOTTOM HOLE LOCATION (BHL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,450,937.270<br>EASTING: 536,527.212 |

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2270



| TRACT | SURFACE OWNER  | TAX PARCEL       | ACRES  |
|-------|--|------------------|--------|
| 1     | JOHN PRATHER GOOD III, TRUSTEE OF THE JOHN P. GOOD JR. IRREVOCABLE TRUST                                 | 03-838-0001-0000 | 66.57  |
| 2     | MARY JANE JACKSON  | 03-833-0050-0000 | 69.784 |
| 3     | ALLEN SCOTT JOHNSON, WARREN RAY JOHNSON, DEBORAH SUE CRAW, VICTORIA LYNN OWENS, CHARLES LAWRENCE JOHNSON | 03-838-0036-0000 | 84.00  |
| 4     | BETHANY COLLEGE  | 03-838-0031-0000 | 29.77  |

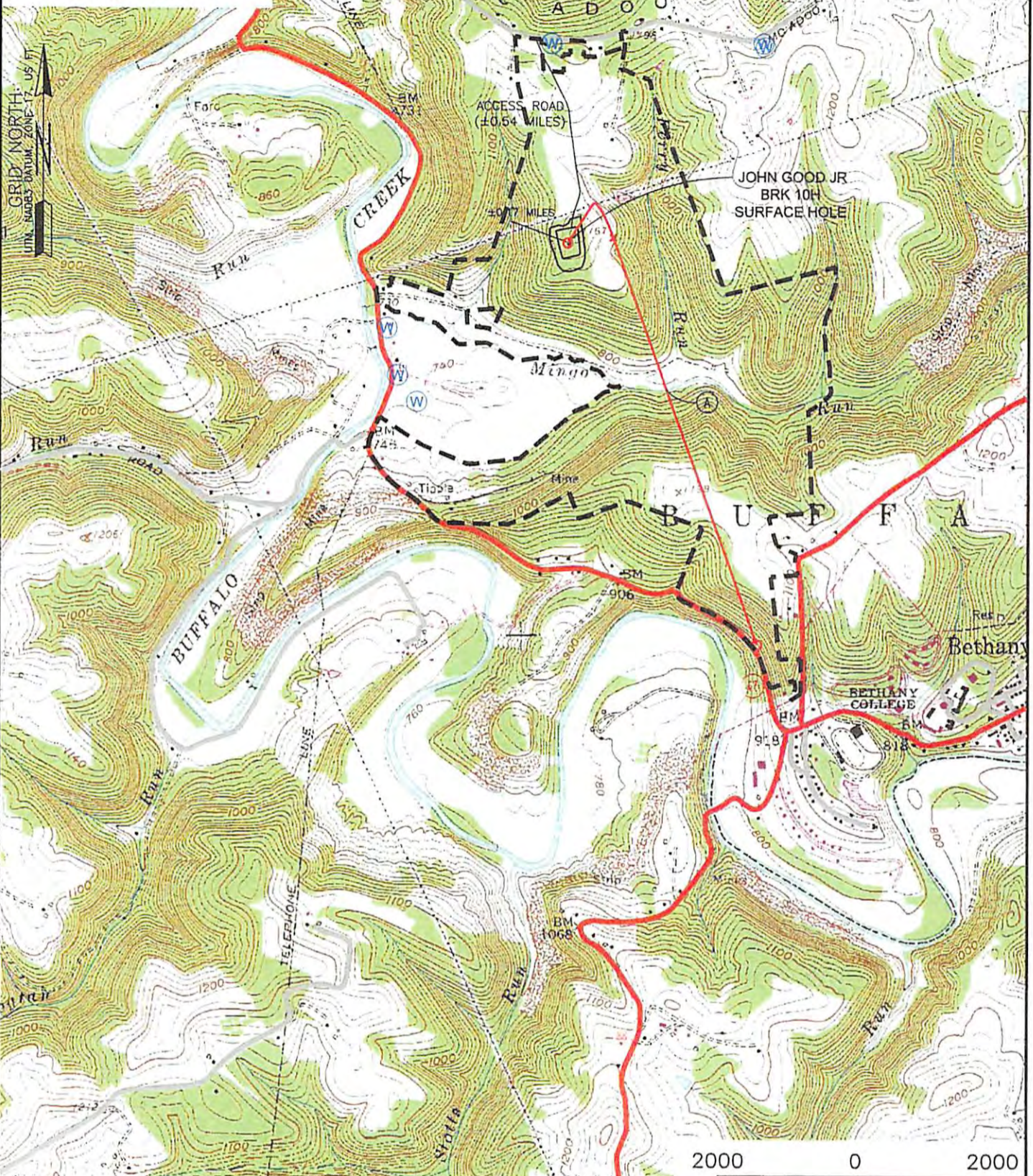
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|---|--|---|
| <p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP<br/>OFFICE OF OIL &amp; GAS<br/>601 57TH STREET<br/>CHARLESTON, WV 25034</p> | <p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>  | <p>OPERATOR'S WELL #: JOHN GOOD JR BRK 10H</p> <p>API WELL #: 47 STATE 009 COUNTY 00189 PERMIT</p>                              |
|   | <p>WELL TYPE: OIL WASTE DISPOSAL PRODUCTION <input checked="" type="checkbox"/> DEEP GAS <input checked="" type="checkbox"/> LIQUID INJECTION STORAGE SHALLOW <input checked="" type="checkbox"/></p> <p>WATERSHED: BUFFALO CREEK ELEVATION: 1152.6'</p> <p>DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY</p> <p>SURFACE OWNER: JOHN P. GOOD III, TRUSTEE OF THE JOHN P. GOOD JR IRREVOCABLE TRUST ACREAGE: 66.57</p> <p>OIL &amp; GAS ROYALTY OWNER: JOHN P. GOOD JR ACREAGE: 66.57</p> <p>DRILL <input checked="" type="checkbox"/> DRILL DEEPER REDRILL FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION PERFORATE NEW FORMATION</p> <p>CONVERT PLUG &amp; ABANDON CLEAN OUT &amp; REPLUG OTHER CHANGE (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,008' TVD 12,499 TMD</p> | <p>DATE: 01-27-2017</p> <p>DRAWN BY: K. POTH</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 050-5700</p> <p>WELL LOCATION PLAT</p> |

Bottom Hole Longitude: 80°32'30" 15,285'

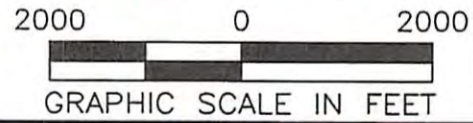
Top Hole Longitude: 80°32'30" 9,545'

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WELL: JOHN GOOD JR BRK 10H  
QUAD: BETHANY, WV



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|---|--|--|--|--|--|
| <b>NAME AND DISTANCE TO THE NEAREST STREAM:</b><br>UNNAMED TRIBUTARY TO MINGO RUN IS LOCATED ±0.18 MILES NORTHEAST OF THE CENTER OF THE DRILL PAD.  |  | <b>STREAM CROSSING COORDINATES (NAD 83):</b><br>A. LAT: 40.218016' / LONG: -80.575426'                 |  | <b>COMPANY:</b><br>  |  |
| <b>WELL RESTRICTIONS:</b><br>WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: >100 FEET<br>WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: >300 FEET<br>WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: >1000 FEET<br>WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: >250 FEET<br>CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >625 FEET<br>CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >625 FEET |  | <b>OPERATOR'S</b><br>JOHN GOOD JR  |  |  |  |
| <b>FEMA FLOOD INFORMATION:</b><br>BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF BROOKE COUNTY, WEST VIRGINIA; MAP NUMBER 54009C0130D; EFFECTIVE DATE: APRIL 19, 2010.   |  | <b>WELL #:</b><br>BRK 10H  |  | <b>LOCATION:</b><br>BUFFALO DISTRICT,<br>BROOKE COUNTY, WEST VIRGINIA  |  |
| <b>LEGEND:</b><br>○ PROPOSED SURFACE HOLE / BOTTOM HOLE<br>* EXISTING / PRODUCING WELLHEAD<br>⊗ ABANDONED WELL<br>⊙ PLUGGED & ABANDONED WELL<br>△ CUT CONDUCTOR   |  | <b>SURFACE HOLE LOCATION:</b><br>GEOGRAPHIC (NAD83):<br>LATITUDE: 40.223811'<br>LONGITUDE: -80.580611' |  | 03/31/2017   |  |
| ● EXISTING SPRING<br>● EXISTING WATER WELL<br>— ACCESS ROAD<br>— ACCESS ROAD TO PREV. SITE<br>— HIGHWAY/INTERSTATE<br>— COUNTY ROAD   |  | <b>BOTTOM HOLE LOCATION:</b><br>GEOGRAPHIC (NAD83):<br>LATITUDE: 40.208048'<br>LONGITUDE: -80.570774'  |  | <b>REVISIONS:</b><br>DATE: 01-27-2017<br>DRAWN BY: K. POTH<br>SCALE: 1" = 2000'<br>DRAWING NO: 050-5700<br>TOPOGRAPHIC MAP |  |