

**SURFACE HOLE LOCATION**  
 UTM 17 - NAD 83  
 N - 4372110.68  
 E - 512802.23

**WV SPC NORTH NAD83**  
 N - 366555.22  
 E - 1587252.28

**LANDING POINT LOCATION**  
 UTM 17 - NAD 83  
 N - 4371985.55  
 E - 513009.09

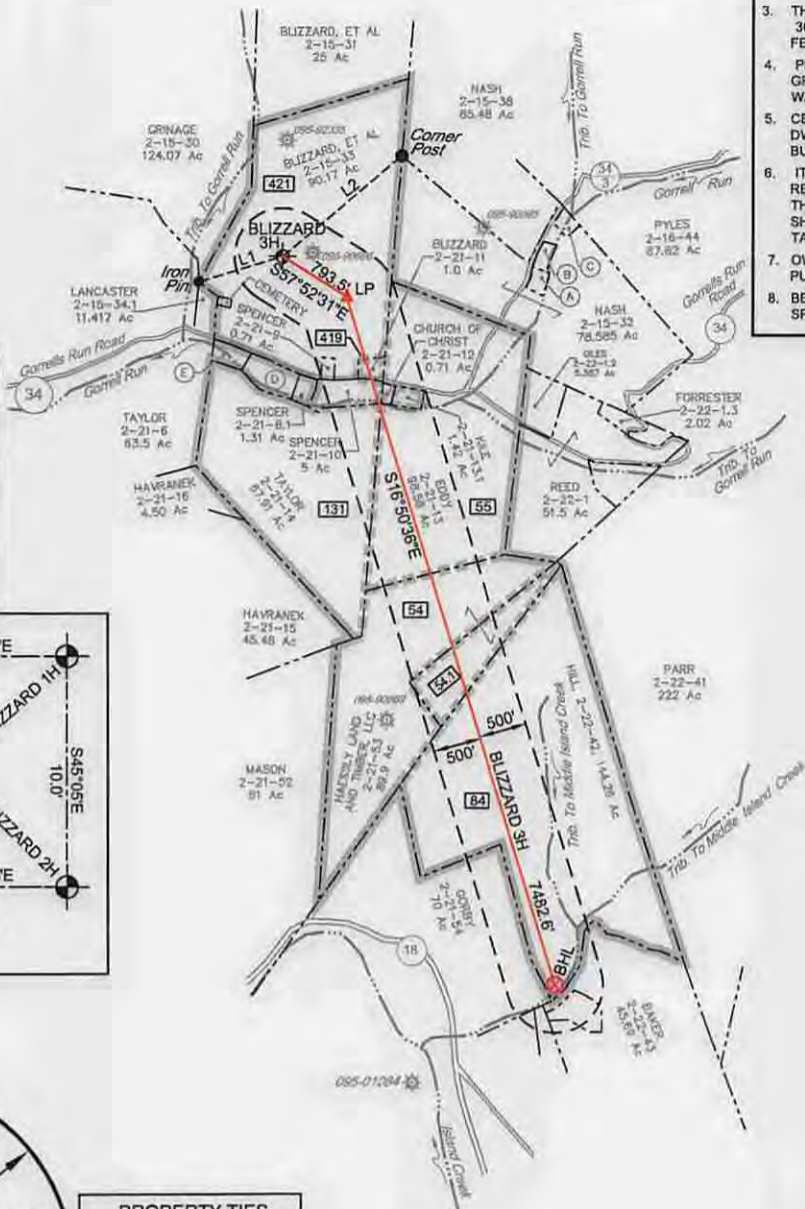
**WV SPC NORTH NAD83**  
 N - 366133.29  
 E - 1587924.25

**BOTTOM HOLE LOCATION**  
 UTM 17 - NAD 83  
 N - 4369814.76  
 E - 513706.05

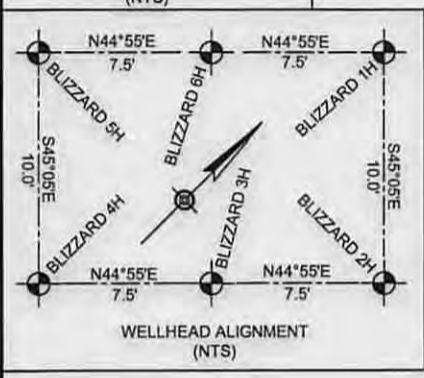
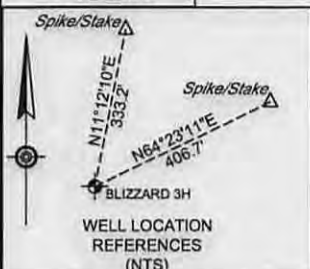
**WV SPC NORTH NAD83**  
 N - 358971.67  
 E - 1590092.40

5072' LATITUDE: 39° 30' 00"  
 574' LONGITUDE: 80° 50' 00"

- NOTES**
1. THERE ARE NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF THE PROPOSED WELL.
  2. PROPOSED PAD, LOD, OR E&S CONTROL FEATURE IS GREATER THAN 100' FROM PERENNIAL STREAM, WETLAND, POND, RESERVOIR OR LAKE.
  3. THERE ARE NO NATIVE TROUT STREAMS WITHIN 300' OF PROPOSED PAD, LOD, OR E&S CONTROL FEATURE.
  4. PROPOSED PAD, LOD, OR E&S CONTROL FEATURE IS GREATER THAN 1000' FROM SURFACE OR GROUND-WATER INTAKE OF PUBLIC WATER SUPPLY.
  5. CENTER OF PAD IS 625 FEET FROM OCCUPIED DWELLING STRUCTURE AND AGRICULTURAL BUILDINGS LARGER THAN 2500 SQUARE FEET.
  6. IT IS NOT THE INTENTION OF THIS PLAT TO REPRESENT A COMPLETE BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. BOUNDARIES AS SHOWN TAKEN FROM RECORD DEED DESCRIPTIONS, TAX MAPS, AND SUPPLEMENTAL FIELD SURVEY.
  7. OWNERSHIP DATA GATHERED FROM COUNTY PUBLIC TAX AND DEED RECORDS.
  8. BEARINGS SHOWN ARE BASED ON WEST VIRGINIA SPC NORTH, NAD 83 DATUM



- LEGEND**
- OUTER LEASE BOUNDARY.
  - INTERIOR LEASE BOUNDARY
  - SURFACE TRACT LINES
  - WELL REFERENCE LINES
  - ⊙ - COUNTY ROADS
  - - PUBLIC ROADS
  - - BLUE-LINE STREAMS
  - ⊠ - MINERAL OWNER
  - ☉ - PROPOSED WELL
  - ☼ - EXISTING WELL
  - ▲ - LANDING POINT
  - ⊗ - BOTTOM HOLE



**PROPERTY TIES**  
 L1 - S73°14'37"W 915.1'  
 L2 - N50°04'58"E 1618.4'

**BLIZZARD #3H MINERAL OWNERSHIP**

421 - SOMERSET MINERALS, LP, ET AL
419 - VIRGINIA DIANNE THOMPSON, ET AL
131 - JAMES R. AND SANDRA I. SWAN, ET AL
55 - ALFRED LONZO EDDY, ET AL
54 - HAESSLY LAND AND TIMBER CO., LLC
54.1 - D. RALPH THACKER, ET AL
84 - JUDITH M. ROGERS, ET AL

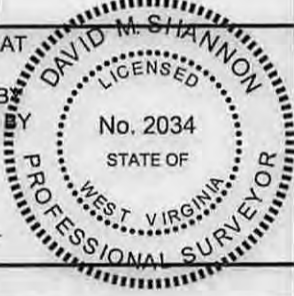
**LEGEND OF PROPERTIES**

A - NASH,	2-16-57,	1 Ac
B - NASH,	2-16-56,	1 Ac
C - REYNOLDS,	2-16-54,	1Ac
D - BLIZZARD,	2-21-8,	3.747Ac
E - BENNETT,	2-21-7,	1.75 Ac

FILE NO. 8790-003-18  
 DRAWN BY DMS  
 SCALE 1 INCH = 2000 FEET  
 MIN DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION SURVEY 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 DIVISION OF ENVIRONMENTAL PROTECTION

*David M. Shannon*  
 P.S. #2034



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

**LDG** Larson Design Group

**W.V.D.E.P. OFFICE OF OIL AND GAS**  
 601 57TH STREET  
 CHARLESTON, WV 25304

DATE 4-16-2015

OPERATORS WELL NO. BLIZZARD 3H  
 API WELL NO. 47  
 STATE 095 COUNTY 02231 H&A PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL

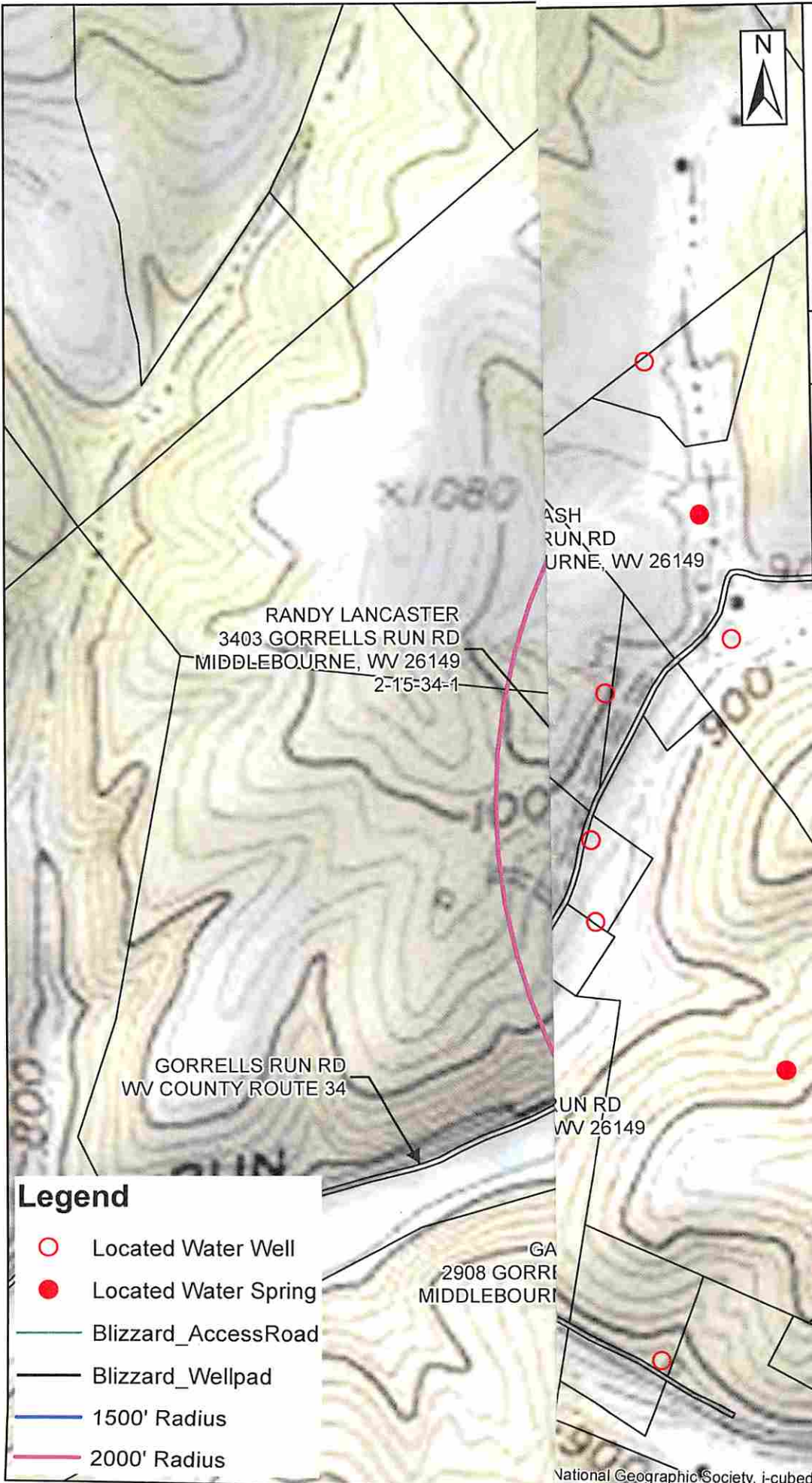
IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: WATERSHED GORRELL RUN - MIDDLE ISLAND CREEK ELEVATION 1004'  
 COUNTY/DISTRICT TYLER / ELLSWORTH QUADRANGLE SHIRLEY - SEC. 1  
 SURFACE OWNER ROGER D. BLIZZARD & RUTH E. SPENCER ACREAGE 90.17 ±  
 OIL & GAS ROYALTY OWNER SEE TABLE ABOVE ACREAGE 497.5±

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH 6516'  
 WELL OPERATOR: STATOIL USA ONSHORE PROPERTIES, INC. DESIGNATED AGENT RICHARD PYLES  
 ADDRESS 2103 CITYWEST BOULEVARD / SUITE 800 ADDRESS 803 NASH ROAD  
HOUSTON TX, 77042 MIDDLEBOURNE, WV

05/15/2015



Larson Design Group

Date 11/7/2014

Designer RTC


Project No. 8790-003-18

Scale 1 inch = 500 feet

**Blizzard Water Well Map**  
 Ellsworth District, Tyler County, WV

**95 - 0 2 2 3 1**

**Legend**

-  Located Water Well
-  Located Water Spring
-  Blizzard\_AccessRoad
-  Blizzard\_Wellpad
-  1500' Radius
-  2000' Radius



National Geographic Society, i-cubed