

EQT PRODUCTION COMPANY  
WELL # SHR99H1  
PAD: YURIGAN  
PAGE 1 OF 2

LATITUDE 39°30'00" TH 8,197'  
LATITUDE 39°30'00" BH 5561'

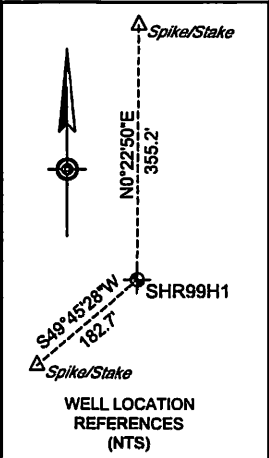
LONGITUDE 80°45'00" BH 3650'  
LONGITUDE 80°45'00" TH 468'

NOTES

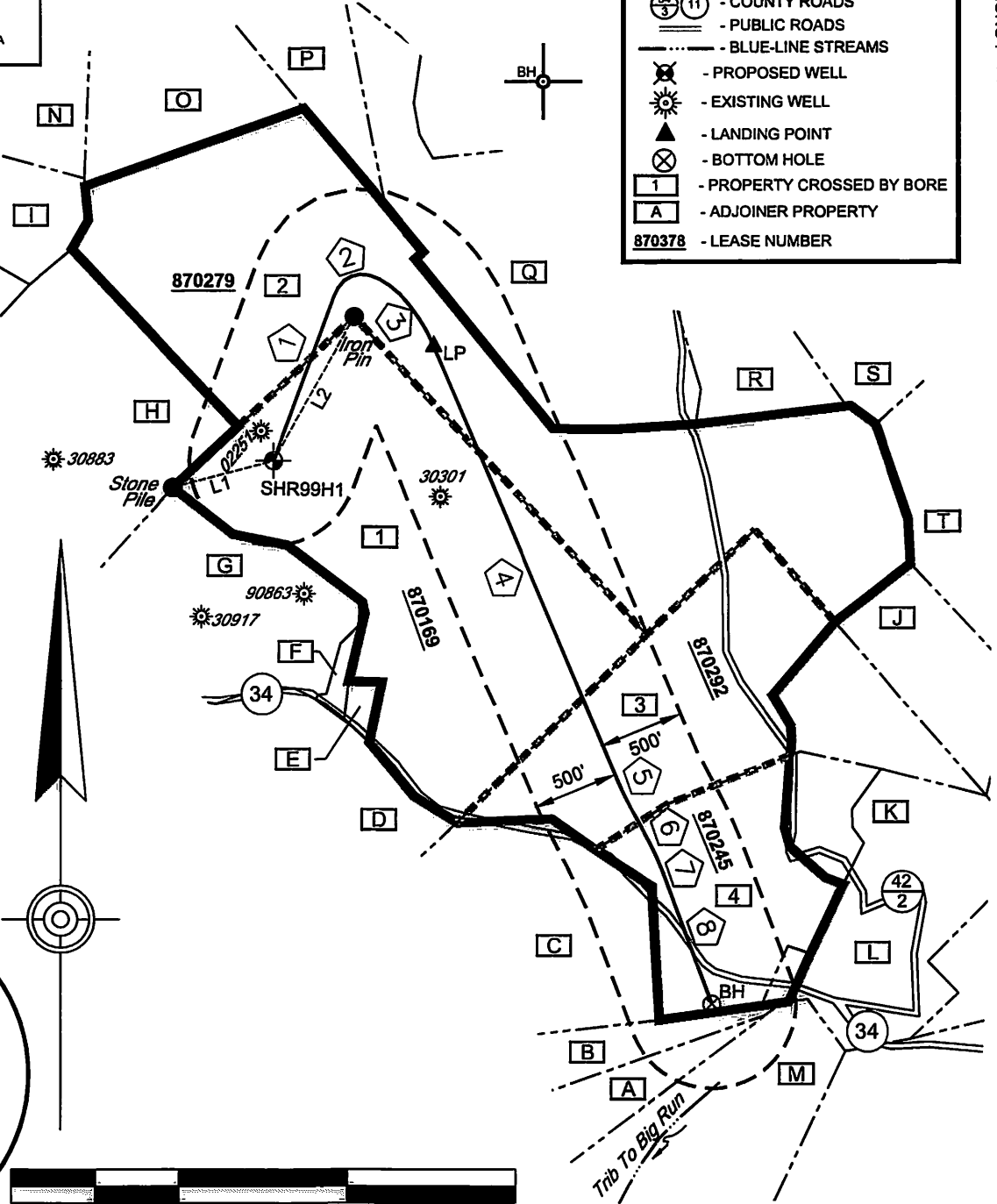
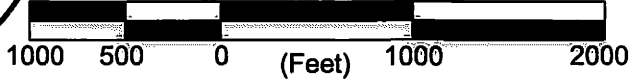
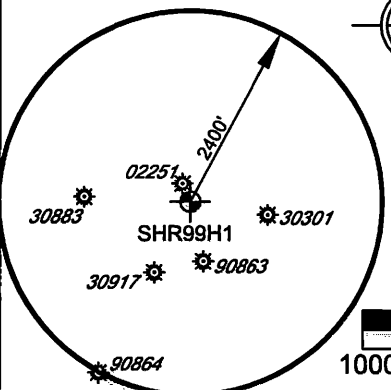
1. IT IS NOT THE INTENTION OF THIS PLAT TO REPRESENT A COMPLETE BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. BOUNDARIES AS SHOWN TAKEN FROM RECORD DEED DESCRIPTIONS, TAX MAPS, AND SUPPLEMENTAL FIELD SURVEY.
2. OWNERSHIP DATA GATHERED FROM COUNTY PUBLIC TAX AND DEED RECORDS.
3. LATERAL GEOMETRY BASED ON WEST VIRGINIA SPC NORTH, NAD 27 DATUM

**LEGEND**

- OUTER LEASE BOUNDARY
- LEASE BOUNDARY
- SURFACE TRACT LINES
- WELL REFERENCE LINES
- ① ② ③ - COUNTY ROADS
- - PUBLIC ROADS
- BLUE-LINE STREAMS
- ☉ - PROPOSED WELL
- ☼ - EXISTING WELL
- ▲ - LANDING POINT
- ⊗ - BOTTOM HOLE
- 1 - PROPERTY CROSSED BY BORE
- A - ADJOINER PROPERTY
- 870378 - LEASE NUMBER



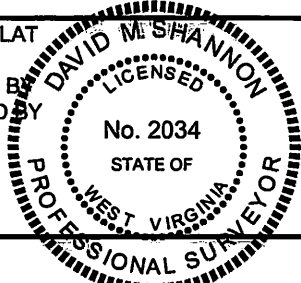
**PROPERTY TIES**  
 L1 - S75°08'04"W 618.9'  
 L2 - N29°17'32"E 981.2'



FILE NO. 7936-006  
 DRAWN BY DMS  
 SCALE 1 INCH = 1000 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* PS #2034



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

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

DATE 1-16-2017  
 OPERATORS WELL NO. SHR99H1  
 API WELL NO. 47  
 STATE COUNTY PERMIT 095 02438  
 WASTE DISPOSAL   
 SHALLOW   
 ELEVATION (EXIST) 1260 (PROP) 1241  
 QUADRANGLE SHIRLEY - SEC3  
 ACREAGE 84.07±  
 ACREAGE 84.07 LEASE# 870169

WELL TYPE: OIL  GAS  LIQUID INJECTION   
 IF "GAS", PRODUCTION  STORAGE  DEEP   
 LOCATION: WATERSHED ELK FORK  
 COUNTY/DISTRICT TYLER / ELLSWORTH  
 SURFACE OWNER EQT PRODUCTION COMPANY  
 OIL & GAS ROYALTY OWNER DENVER E. HAUGHT, ET AL  
 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  
 WELL OPERATOR: EQT PRODUCTION COMPANY  
 ADDRESS 115 PROFESSIONAL PLACE, PO BOX 280 BRIDGEPORT, WV 26330

ESTIMATED DEPTH 6941  
 DESIGNATED AGENT REX C. RAY  
 ADDRESS 115 PROFESSIONAL PLACE, PO BOX 280 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

08/11/2017

**EQT PRODUCTION COMPANY**  
**WELL # SHR99H1**  
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**PAGE 2 OF 2**

|                                    |            |              |              |
|------------------------------------|------------|--------------|--------------|
| UTM NAD83<br>ZONE 17N<br>(METERS)  | TOPHOLE    | N-4372159.64 | E-519004.89  |
|                                    | LANDING PT | N-4372372.27 | E-519291.92  |
|                                    | BOT HOLE   | N-4371191.29 | E-519816.65  |
| NAD27 SPC<br>FEET<br>NORTH<br>ZONE | TOPHOLE    | N-366340.63  | E-1639050.13 |
|                                    | LANDING PT | N-367022.60  | E-1640003.65 |
|                                    | BOT HOLE   | N-363118.46  | E-1641660.86 |
| NAD27 GEO<br>LAT(N)<br>LONG(W)     | TOPHOLE    | N039.498765  | W080.779137  |
|                                    | LANDING PT | N039.500674  | W080.775792  |
|                                    | BOT HOLE   | N039.490021  | W080.769724  |



| TAB | OWNER                         | DISTRICT  | TAX MAP | PARCEL # | AREA   |
|-----|-------------------------------|-----------|---------|----------|--------|
| 1   | EQT PRODUCTION COMPANY        | ELLSWORTH | 2-17    | 52       | 84.069 |
| 2   | JONATHAN S. COOPER            | ELLSWORTH | 2-17    | 51       | 108.67 |
| 3   | JENNIFER R. CAMPBELL WILLIAMS | ELLSWORTH | 2-23    | 28       | 50     |
| 4   | TERRY E. AND JASON JOY        | ELLSWORTH | 2-23    | 12       | 31.88  |

| TAB | OWNER                                     | DISTRICT  | TAX MAP | PARCEL # | AREA   |
|-----|---|-----------|---------|----------|--------|
| A   | RICHARD J. BLANKENSHIP AND POLITI CARMINA | MCELROY   | 5-2     | 9.1      | 16.028 |
| B   | BRIAN K. AND SANDRA L. JOCHUM             | MCELROY   | 5-2     | 9.3      | 16.132 |
| C   | LOYD D. & PHYLLIS J. WEEKLEY              | ELLSWORTH | 5-2     | 4        | 167.56 |
| D   | ILLIAM J. & ALMEDA S. JAMES               | ELLSWORTH | 5-2     | 30       | 50.7   |
| E   | ILLIAM WIKER & ALBERT MOSCHETTI           | ELLSWORTH | 2-23    | 29       | 1.237  |
| F   | ILLIAM J. & ALMEDA S. JAMES               | ELLSWORTH | 2-17    | 53       | 91.46  |
| G   | ILLIAM J. & ALMEDA S. JAMES               | ELLSWORTH | 2-17    | 53       | 91.46  |
| H   | ILLIAM J. & ALMEDA S. JAMES               | ELLSWORTH | 2-17    | 53       | 91.46  |
| I   | SAMUEL C HAMMETT, ET AL                   | ELLSWORTH | 2-17    | 36       | 39.6   |
| J   | RICHARD C. & SHARON L. NEFF               | ELLSWORTH | 2-23    | 28       | 25.21  |
| K   | JOSEPH MICHAEL FERRELL                    | ELLSWORTH | 2-23    | 13       | 43     |
| L   | TERRY CHAMBERLAIN                         | ELLSWORTH | 2-23    | 12.1     | 1.12   |
| M   | LYLE AND LACY BLANKENSHIP                 | MCELROY   | 5-2     | 9.2      | 63.08  |
| N   | JOANNE WILKINSON                          | ELLSWORTH | 2-17    | 27       | 26.5   |
| O   | RICHARD C. & SHARON L. NEFF               | ELLSWORTH | 2-17    | 26       | 29.54  |
| P   | ELIZABETH MENGES                          | ELLSWORTH | 2-17    | 25       | 31.5   |
| Q   | MARTHA E. MENGES                          | ELLSWORTH | 2-17    | 50       | 47     |
| R   | JOHN COOPER                               | ELLSWORTH | 2-17    | 37.1     | 70.05  |
| S   | PATRICK G. KELLER                         | ELLSWORTH | 2-17    | 37.2     | 33.34  |
| T   | EQT PRODUCTION COMPANY                    | ELLSWORTH | 2-17    | 46       | 35     |

| LEASE# | MINERAL OWNERS              | AREA   |
|--------|-----------------------------|--------|
| 870279 | JONATHAN S. COOPER, ET AL   | 108.67 |
| 870292 | CHARLES ROBERT FUCHS, ET AL | 50     |
| 870245 | TINA LOUISE ZEDIKER, ET AL  | 33     |

**HORIZONTAL BORE GEOMETRY**

|   | LENGTH  | RADIUS/AZIMUTH |
|---|---------|----------------|
| ① | 1039.7' | AZ 020.1661°   |
| ② | 337.7'  | R-177.3'       |
| ③ | 523.8'  | R-789.7'       |
| ④ | 2800.0' | AZ 157.0000°   |
| ⑤ | 233.0'  | R-2169.1'      |
| ⑥ | 85.0'   | AZ 150.0000°   |
| ⑦ | 321.0'  | R-1969.4'      |
| ⑧ | 805.0'  | AZ 159.6227°   |

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