

Well is located on topo map 43 feet south of Latitude: 39° 57' 30"

Well is located on topo map 695 feet west of Longitude: 80° 35' 00"

**SURFACE HOLE LOCATION (SHL)**  
 PAD CENTER EL. = 1153.60  
 UTM 17 - NAD83  
 N: 4423201.512  
 E: 535376.070  
 NAD27, WV NORTH  
 N: 532934.298  
 E: 1696563.971  
 LAT/LON DATUM - NAD83  
 LAT: 39.958214  
 LON: -80.585818

**APPROX. LANDING POINT**  
 UTM 17 - NAD83  
 N: 4423007.807  
 E: 534852.541  
 NAD27, WV NORTH  
 N: 532327.414  
 E: 1693835.443  
 LAT/LON DATUM - NAD83  
 LAT: 39.956490  
 LON: -80.591957

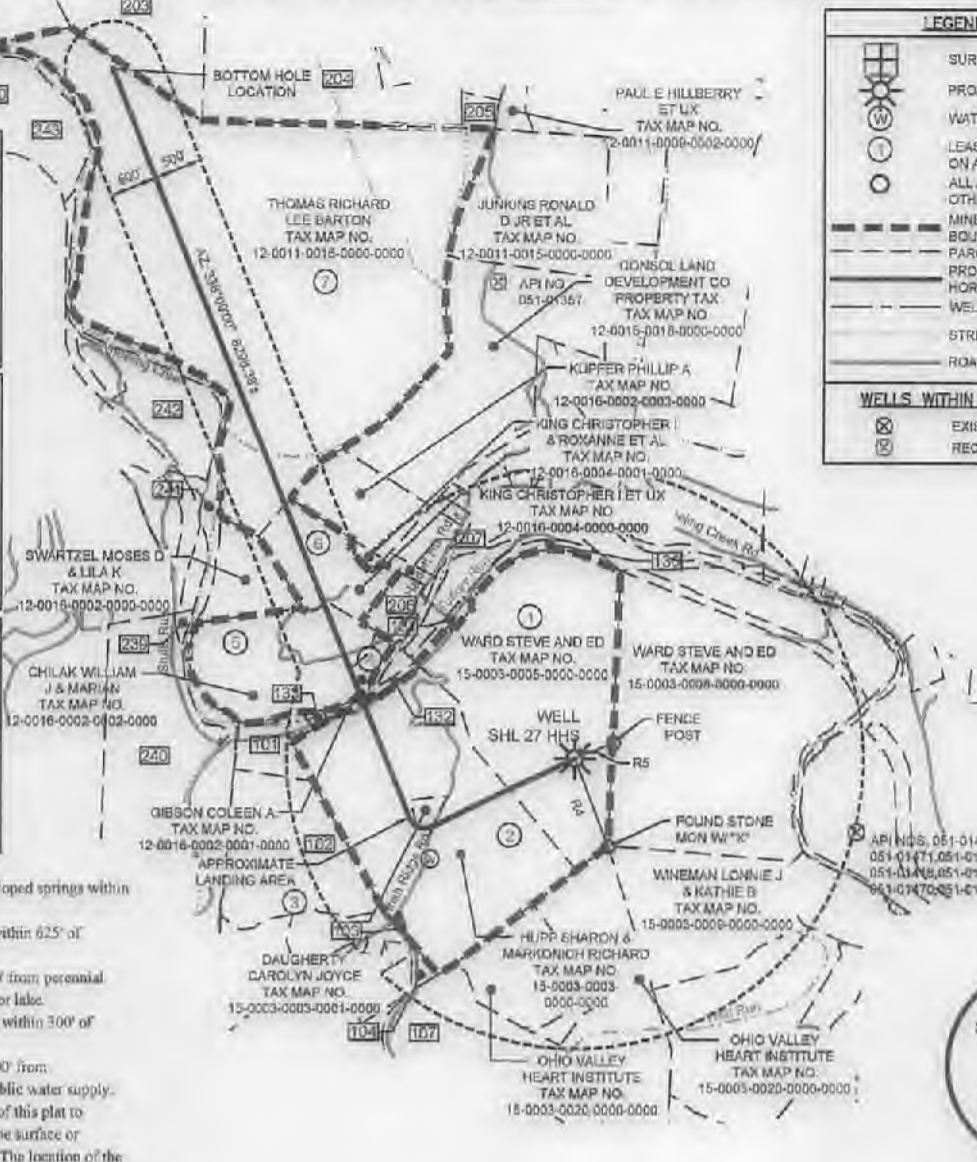
**BOTTOM HOLE LOCATION**  
 UTM 17 - NAD83  
 N: 4425358.002  
 E: 533866.273  
 NAD27, WV NORTH  
 N: 540021.642  
 E: 1690726.771  
 LAT/LON DATUM - NAD83  
 LAT: 39.977507  
 LON: -80.603383

- NOTES:**
- There are no water wells or developed springs within 250' of proposed well.
  - There are no existing buildings within 625' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
  - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

Wellhead Capable Park (W.C. State St)  
 2010 Government Circle  
 Seaside, WA 98132



Civil Engineering | Land Reclamation | Structural Design  
 Land Planning | Landscape Architecture | Environmental



**LEGEND**

- SURFACE HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMA1. ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD

**WELLS WITHIN 3000'**

- EXISTING GAS WELL
- RECORD GAS WELL



**REFERENCE DETAIL**

LINE TABLE		
LINE	BEARING	DISTANCE
R1	N14°23'32"W	305.00'
R2	N29°55'38"W	420.64'
R3	S71°25'58"W	331.12'
R4	N20°40'22"W	977.40'
R5	S87°25'23"W	427.50'

FILE #: SHL 27 HHS  
 DRAWING #: SHL 27 HHS  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE: USGS MONUMENT OF ELEVATION: U 124: 961.16'

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: *[Signature]*  
 R.P.E.: 18786 L.L.S.: P.S. NO.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

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

WATERSHED: WHEELING CREEK  
 COUNTY/DISTRICT: MARSHALL / WEBSTER  
 SURFACE OWNER: STEVE WARD AND ED WARD  
 OIL & GAS ROYALTY OWNER: BOUNTY MINERALS, LLC



DATE: NOVEMBER 18, 2014 - REV. JULY 20, 2017  
 OPERATOR'S WELL #: SHL 27 HHS  
 API WELL # 47 051 01988  
 STATE COUNTY PERMIT  
 HGA

ELEVATION: 1,153.60'  
 QUADRANGLE: MAJORSVILLE, W. VA  
 ACREAGE: 122.47

03/02/2018

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

TARGET FORMATION: MARCELLUS  
 WELL OPERATOR: HG ENERGY II APPALACHIA, LLC  
 Address: 5260 DUPONT ROAD  
 City PARKERSBURG State WV Zip Code 26101

ESTIMATED DEPTH: TVD: 6,203' ± TMD: 15,525' ±  
 DESIGNATED AGENT: DIANE C. WHITE  
 Address: 5260 DUPONT ROAD  
 City PARKERSBURG State WV Zip Code 26101

Bottom hole is located on topo map 8196 feet south of Latitude: 40° 00' 00"

Bottom hole is located on topo map 5622 feet west of Longitude: 80° 35' 00"

**LEGEND**

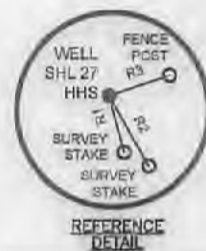
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1301	JAGA, INC.	TAX MAP NO. 15-0003-0001-0000-0000
130	JONES EVELINE J	TAX MAP NO. 15-0003-0005-0000-0000
131	GRAY GEORGE K & BONNIE J NORTH	TAX MAP NO. 15-0003-0005-0001-0000
132	KELLER ROBERT LEE & MARY KAY	TAX MAP NO. 15-0003-0003-0002-0000
133	PARKER PETER	TAX MAP NO. 15-0003-0004-0000-0000
200	HICKEY GLENN M	TAX MAP NO. 15-0001-0008-0001-0000
201	HICKEY GLENN M	TAX MAP NO. 12-0010-0005-0000-0000
202	TOLAND DOROTHY J WINNER SANDRA J	TAX MAP NO. 12-0011-0003-0000-0000
203	MILLER DOROTHY T ET AL	TAX MAP NO. 12-0011-0004-0000-0000
204	GRAY DONALD G & DAVID G	TAX MAP NO. 12-0011-0009-0000-0000
205	HILBERRY PAUL E JR.	TAX MAP NO. 12-0011-0009-0003-0000
206	GIBSON COLEEN A	TAX MAP NO. 12-0016-0005-0000-0000
207	TERRY JOHN G II	TAX MAP NO. 12-0019-0007-0000-0000
235	EMMA FRYE	TAX MAP NO. 15-0002-0003-0001-0000
240	SARA JO ANDERSON	TAX MAP NO. 15-0002-0004-0000-0000
241	ISKCON - NEW MATHURA VRINDABAN	TAX MAP NO. 15-0001-0015-0000-0000
242	ISKCON - NEW MATHURA VRINDABAN	TAX MAP NO. 15-0001-0012-0000-0000
243	ISKCON - NEW MATHURA VRINDABAN	TAX MAP NO. 15-0001-0008-0000-0000



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**PVE ENGINEERING**

Civil Engineering | Land Development | Structure Design  
 Land Planning | Landscape Architecture | Environmental

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SIGNED: [Signature]

R.P.E.: 18766 L.L.S.: P.S. NO. \_\_\_\_\_

PLACE SEAL HERE

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City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101



DATE: NOVEMBER 16, 2014 - REV. JULY 20, 2017

OPERATOR'S WELL #: SHL 27 HHS

API WELL # 47 051 01988

STATE COUNTY PERMIT

HGA

SHEET: 2 OF 2

03/02/2018