

Well is located on topo map 19 feet south of Latitude: 39° 57' 30"

Well is located on topo map 664 feet west of Longitude: 80° 35' 00"

**SURFACE HOLE LOCATION (SHL)**  
 PAD CENTER EL. = 1153.60  
 UTM 17 - NAD83  
 N: 4423208.834  
 E: 535385.813  
 NAD27, WV NORTH  
 N: 532957.789  
 E: 1695596.345  
 LAT/LON DATUM-NAD83  
 LAT: 39.958280  
 LON: -80.585703

**APPROX. LANDING POINT**  
 UTM 17 - NAD83  
 N: 4425072.471  
 E: 535222.252  
 NAD27, WV NORTH  
 N: 532519.299  
 E: 1695052.159  
 LAT/LON DATUM-NAD83  
 LAT: 39.957058  
 LON: -80.587626

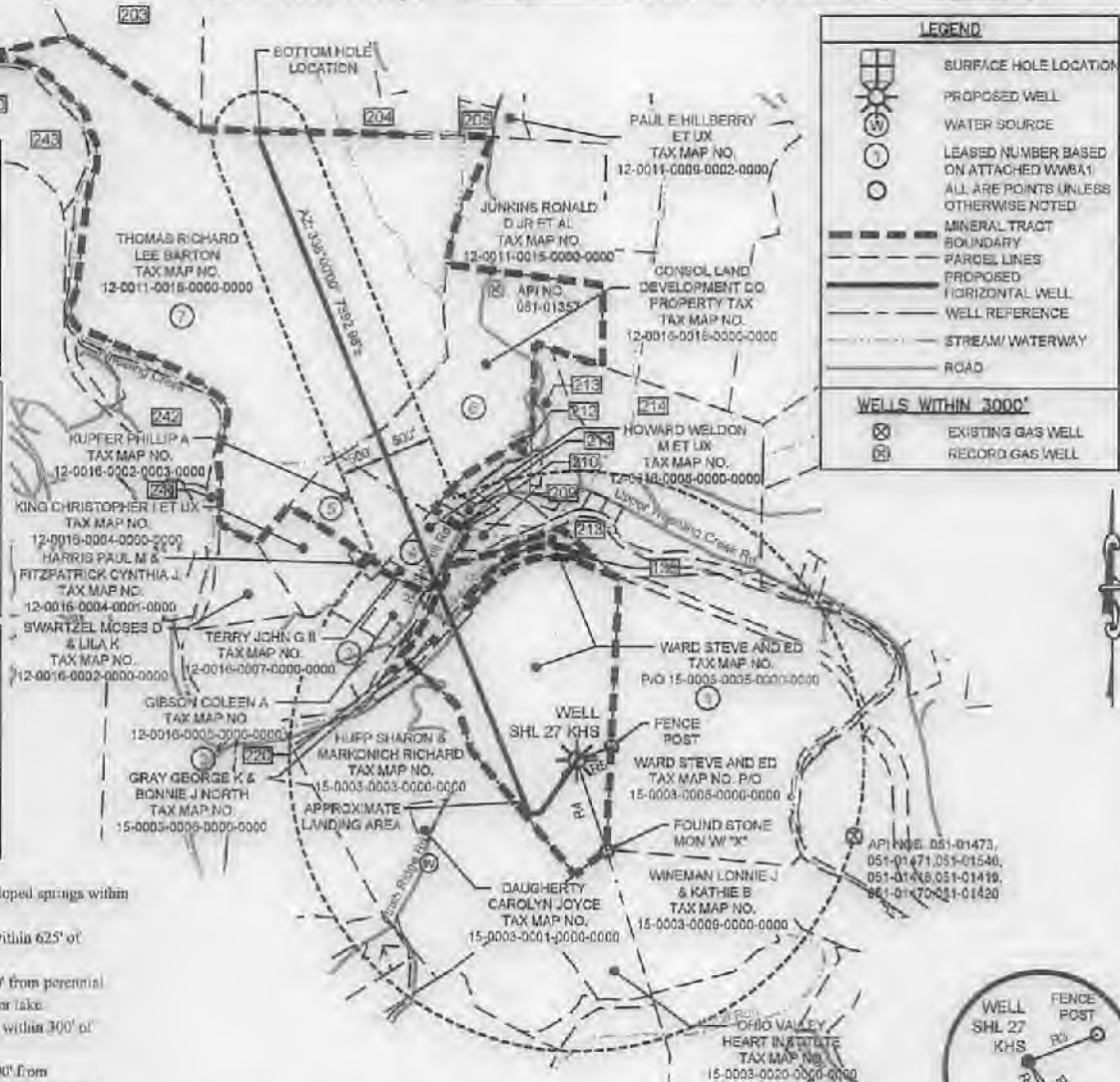
**BOTTOM HOLE LOCATION**  
 UTM 17 - NAD83  
 N: 4425146.848  
 E: 534343.590  
 NAD27, WV NORTH  
 N: 539374.047  
 E: 1692282.658  
 LAT/LON DATUM-NAD83  
 LAT: 39.975781  
 LON: -80.597803

- 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 herein. 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.

Wellbore Coordinates (North, East, NAD 83)  
 2009 Geopoint Data  
 CHARLESTON, WV 25304



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



**LEGEND**

- SURFACE HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMA#1
- 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

130	JONES EVELINE J	TAX MAP NO. 15-0003-0000-0000-0000
201	HICKEY GLENN M	TAX MAP NO. 15-0001-0006-0001-0000
202	HICKEY GLENN M	TAX MAP NO. 12-0010-0008-0000-0000
203	TOLAND DOROTHY J WINNER SANDRA J	TAX MAP NO. 12-0011-0003-0000-0000
204	MILLER DOROTHY T ET AL	TAX MAP NO. 12-0011-0004-0000-0000
205	GRAY DONALD G & DAVID C	TAX MAP NO. 12-0011-0008-0000-0000
207	HILLBERRY PAUL E JR	TAX MAP NO. 12-0011-0009-0000-0000
209	TERRY JOHN G II	TAX MAP NO. 12-0016-0007-0000-0000
210	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0008-0000-0000
211	WARD STEVE AND ED	TAX MAP NO. 15-0003-0005-0000-0000
212	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0009-0000-0000
213	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0010-0000-0000
214	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 12-0016-0012-0000-0000
215	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 12-0016-0020-0000-0000
216	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 12-0016-0022-0000-0000



**REFERENCE DETAIL**

LINE TABLE		
LINE	BEARING	DISTANCE
R1	N25°32'42"W	288.47'
R2	N37°10'16"W	417.81'
R3	S88°47'17"W	388.79'
R4	N18°26'10"W	688.71'
R5	S88°47'17"W	388.79'

FILE #: SHL 27 KHS  
 DRAWING #: SHL 27 KHS  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE: USGS MONUMENT OF ELEVATION: U 124: 951.16'

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:   
 R.P.E.: \_\_\_\_\_ 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 ELEVATION: 1,153.60'  
 COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, W. VA  
 SURFACE OWNER: STEVE WARD AND ED WARD ACREAGE: 122.47  
 OIL & GAS ROYALTY OWNER: BOUNTY MINERALS, LLC ACREAGE: 122.47



DATE: NOVEMBER 18, 2014 - REV. JULY 20, 2017  
 OPERATOR'S WELL #: SHL 27 KHS  
 API WELL # 47 051 01989  
 STATE COUNTY PERMIT HGA  
 SHEET 1 OF 2

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 ESTIMATED DEPTH: TVD: 6,203' ± TMD: 14,327' ±  
 WELL OPERATOR: HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT: DIANE C. WHITE  
 Address: 5280 DUPONT ROAD Address: 5280 DUPONT ROAD  
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

03/02/2018

Bottom hole is located on topo map 8824 feet south of Latitude: 40° 00' 00"

Bottom hole is located on topo map 4059 feet west of Longitude: 80° 35' 00"

**LEGEND**

- SURFACE HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMSA1 ALL ARE POINTS UNLESS OTHERWISE NOTED
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Wheeling Corporate Park 25 South 1st  
 4000 Massachusetts Drive  
 Sewing, PA 15142



Civil Engineering | Land Development | Structural Design  
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