

As Drilled well is located on topo map 32 feet south of Latitude: 39° 57' 30"

Proposed well is located on topo map 680 feet west of Longitude: 80° 35' 00"

**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83(m)  
 N: 4423205.161  
 E: 535380.953  
 NAD27, WV NORTH  
 N: 532946.000  
 E: 1695580.195  
 LAT/LON DATUM-NAD83  
 LAT: 39.958247  
 LON: -80.585760

**LANDING POINT LOCATION**

UTM 17 - NAD83(m)  
 N: 4422963.449  
 E: 535087.632  
 NAD27, WV NORTH  
 N: 532168.932  
 E: 1694604.438  
 LAT/LON DATUM-NAD83  
 LAT: 39.956081  
 LON: -80.589208

**BOTTOM HOLE LOCATION**

UTM 17 - NAD83(m)  
 N: 4425145.427  
 E: 534144.047  
 NAD27, WV NORTH  
 N: 539380.999  
 E: 1691627.811  
 LAT/LON DATUM-NAD83  
 LAT: 39.975779  
 LON: -80.600140

- 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.

Waterford Corporate Park III, Suite 101  
 2000 Georgetown Drive  
 Sewersville, PA 15443

PVE  
**ENGINEERING**

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

**WELLS WITHIN 3000'**

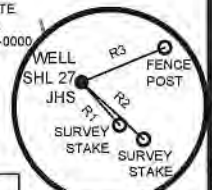
- EXISTING GAS WELL
- RECORD GAS WELL

- 101 JAGA INC.
- 102 MARKONICH RICHARD J & SHARON L
- 103 LITTLE JOHN WEST
- 104 OHIO VALLEY HEART INSTITUTE
- 105 BENNETT ROBERT A ET UX
- 107 EBERT RENEE LYNN GRIMM
- 130 JONES EVELINE J
- 132 KELLER ROBERT LEE & MARY KAY
- 133 PARKER PETER
- 200 HICKEY GLENN M
- 201 HICKEY GLENN M
- 202 TOLAND DOROTHY J WINNER SANDRA J
- 203 MILLER DOROTHY T ET AL
- 204 GRAY DONALD G & DAVID G
- 205 HILLBERRY PAUL E JR
- 207 TERRY JOHN G II
- 208 HOWARD WELDON M ET UX

- TAX MAP NO. 15-0003-0001-0000-0000
- TAX MAP NO. 15-0003-0002-0000-0000
- TAX MAP NO. 15-0003-0022-0000-0000
- TAX MAP NO. 15-0003-0025-0001-0000
- TAX MAP NO. 15-0003-0025-0005-0000
- TAX MAP NO. 15-0003-0021-0000-0000
- TAX MAP NO. 15-0003-0006-0000-0000
- TAX MAP NO. 15-0003-0003-0002-0000
- TAX MAP NO. 15-0003-0004-0000-0000
- TAX MAP NO. 15-0001-0006-0001-0000
- TAX MAP NO. 12-0010-0008-0000-0000
- TAX MAP NO. 12-0011-0003-0000-0000
- TAX MAP NO. 12-0011-0004-0000-0000
- TAX MAP NO. 12-0011-0008-0000-0000
- TAX MAP NO. 12-0011-0009-0003-0000
- TAX MAP NO. 12-0016-0007-0000-0000
- TAX MAP NO. 12-0016-0008-0000-0000

**WATER WELLS:  
 NONE FOUND**

LINE TABLE		
LINE	BEARING	DISTANCE
R1	N41°43'01"W	296.97'
R2	N47°53'40"W	438.95'
R3	S87°37'59"W	471.11'
R4	N19°20'35"W	982.72'
R5	S02°38'31"W	1079.78'



**LEGEND**

- AS DRILLED SURFACE HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP
- AS DRILLED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WM6A1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT
- BOUNDARY
- PARCEL LINES
- PROPOSED
- HORIZONTAL WELL
- AS DRILLED
- HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD

FILE #: SHL 27 JHS

DRAWING #: SHL 27 JHS

SCALE: 1"=2000'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE OF ELEVATION: USGS MONUMENT 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: [Signature]

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

JAMES MICHAEL VENTURE  
 REGISTERED  
 18786  
 STATE OF WEST VIRGINIA  
 PROFESSIONAL ENGINEER

(+) 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: JANUARY 18, 2018

OPERATOR'S WELL #: SHL 27 JHS

API WELL # 47 051 01958

STATE COUNTY PERMIT

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 AS DRILLED DEPTH: TVD: 6,436' TMD: 14,888'

WELL OPERATOR: HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD Address: 5260 DUPONT ROAD

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



Bottom hole is located on topo map 8,823 feet south of Latitude: 40° 00' 00"

Bottom hole is located on topo map 4,710 feet west of Longitude: 80° 35' 00"

03/29/2019

AS DRILLED

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**LEGEND**

 BOTTOM HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP



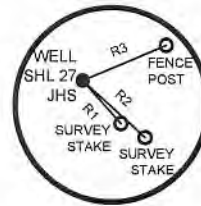
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Waterfront Corporate Park II, Suite 101  
 2000 Georgetown Drive  
 Sewickley, PA 15143

P: 724-446-1100  
 F: 724-444-1104  
 www.pve-llc.com



Civil Engineering | Land Development | Structure Design  
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REFERENCE DETAIL

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