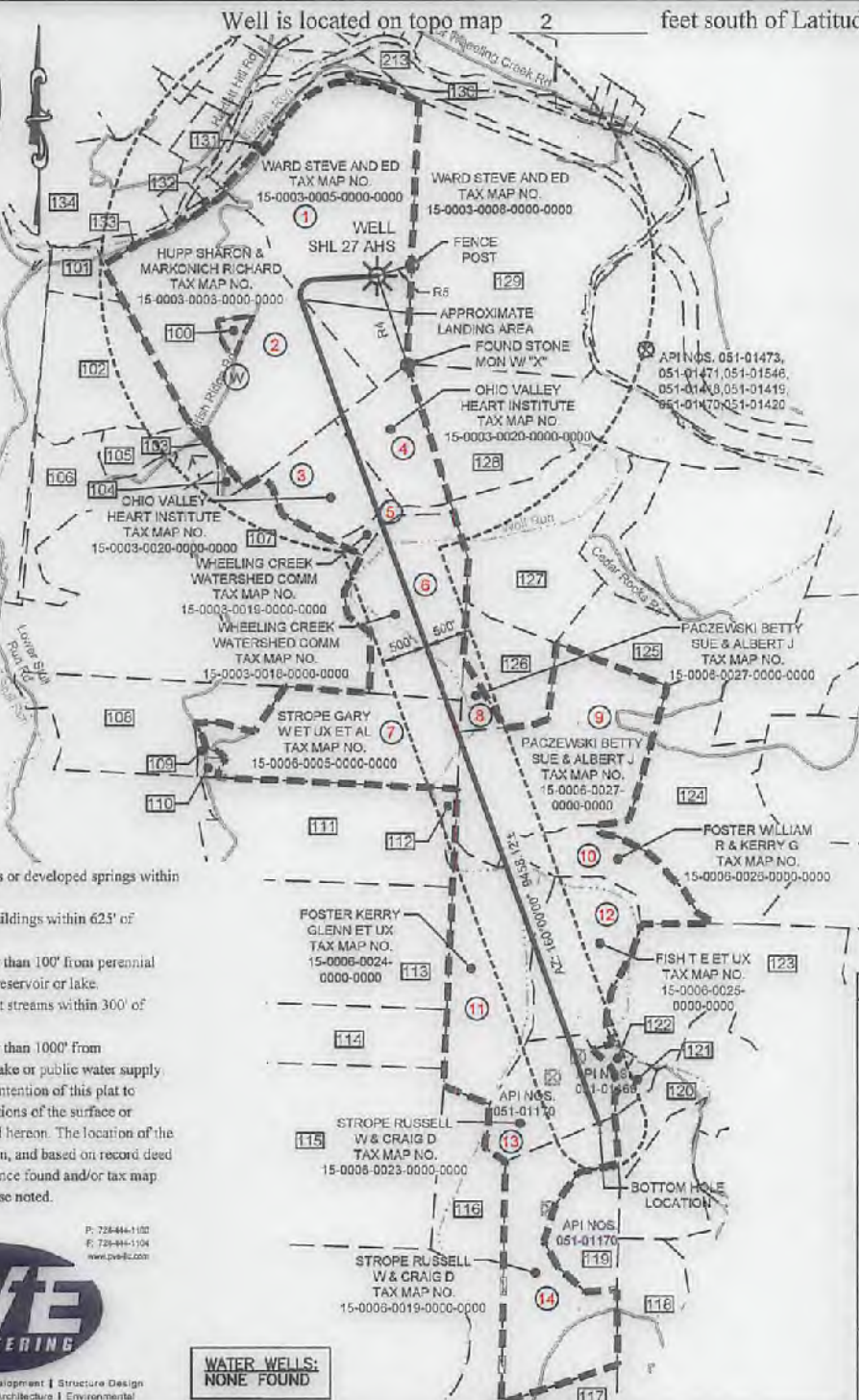


Well is located on topo map 2 feet south of Latitude: 39° 57' 30"

Well is located on topo map 681 feet west of Longitude: 80° 35' 00"



SURFACE HOLE LOCATION (SHL)
PAD CENTER EL. = 1153.60
UTM 17 - NAD83
N: 4423214.437
E: 535381.603
NAD27, WV NORTH
N: 532976.406
E: 1695582.838
LAT/LON DATUM - NAD83
LAT: 39.958330
LON: -80.585752

APPROX. LANDING POINT
UTM 17 - NAD83
N: 4423133.133
E: 535131.203
NAD27, WV NORTH
N: 532723.363
E: 1694756.717
LAT/LON DATUM - NAD83
LAT: 39.957608
LON: -80.588688

BOTTOM HOLE LOCATION
UTM 17 - NAD83
N: 4420441.957
E: 536162.001
NAD27, WV NORTH
N: 523835.579
E: 1697991.605
LAT/LON DATUM - NAD83
LAT: 39.933318
LON: -80.578770

LINE TABLE

LINE	BEARING	DISTANCE
R1	N28°18'39"W	311.12'
R2	N37°08'31"W	440.81'
R3	S72°00'50"W	385.27'
R4	N18°49'44"W	1010.65'
R5	S72°00'50"W	395.27'

LEGEND

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

- NOTES:**
1. There are no water wells or developed springs within 250' of proposed well.
 2. There are no existing buildings within 625' of proposed well.
 3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 4. There are no native trout streams within 300' of proposed well.
 5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
 6. 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.

Westport Corporate Park II, Suite 101
2000 Georgetown Drive
Buckley, PA 15141

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F: 724-844-1104
www.pve.com

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

**WATER WELLS:
NONE FOUND**

FILE #: SHL 27 AHS
DRAWING #: SHL 27 AHS
SCALE: 1"=2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE: 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:

R.P.E.: 18766 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

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



DATE: OCTOBER 16, 2014 - REV. JULY 20, 2017
OPERATOR'S WELL #: SHL 27 AHS
API WELL # 47 051 **01984**
STATE COUNTY PERMIT
HLEA

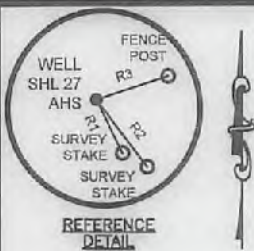
ELEVATION: 1,153.80'
QUADRANGLE: MAJORSVILLE, W. VA
ACREAGE: 122.47
ACREAGE: 122.47

ESTIMATED DEPTH: TVD: 6,203' ± TMD: 16,319' ±
DESIGNATED AGENT: DIANE C. WHITE
Address: 5260 DUPONT ROAD
City PARKERSBURG State WV Zip Code 26101

03/02/2018

Bottom hole is located on topo map 9836 feet south of Latitude: 39° 57' 30"

Bottom hole is located on topo map 9113 feet west of Longitude: 80° 37' 30"



100	DALGHERTY CAROLYN JOYCE	TAX MAP NO. 15-0003-0001-0000-0000
101	JAGA INC.	TAX MAP NO. 15-0003-0001-0000-0000
102	MARKONICH RICHARD J & SHARON L	TAX MAP NO. 15-0003-0002-0000-0000
103	LITTLE JOHN WEST	TAX MAP NO. 15-0003-0022-0000-0000
104	OHIO VALLEY HEART INSTITUTE	TAX MAP NO. 15-0003-0025-0001-0000
105	BENNETT ROBERT A ET UX	TAX MAP NO. 15-0003-0025-0005-0000
106	BEAVER CHARLES L & SANDRA KAY	TAX MAP NO. 15-0003-0025-0000-0000
107	EBERT RENEE LYNN GRIMM	TAX MAP NO. 15-0003-0021-0000-0000
108	GRIMM JOYCE E	TAX MAP NO. 15-0003-0000-0000-0000
109	MCWORTER DEBRA K &	TAX MAP NO. 15-0005-0005-0001-0000
110	FITZSIMMONS RICHARD J ESTS	TAX MAP NO. 15-0005-0004-0000-0000
111	FITZSIMMONS RICHARD J ET UX	TAX MAP NO. 15-0005-0006-0000-0000
112	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 15-0005-0006-0002-0000
113	BURKEY MICHAEL J ET UX	TAX MAP NO. 15-0005-0014-0000-0000
114	FITZSIMMONS MARK B & DEBORAH A	TAX MAP NO. 15-0005-0015-0000-0000
115	KAISER JOE M & SHIRLEY A FAMILY REVOCABLE TRUST	TAX MAP NO. 15-0005-0017-0000-0000
116	STROPE CHARLES B	TAX MAP NO. 15-0009-0014-0000-0000
117	STROPE DOUGLAS L & RUSSELL W & CRAIG D	TAX MAP NO. 15-0005-0015-0000-0000
118	KUTIS JOHN S & SYLVIA M	TAX MAP NO. 15-0010-0001-0000-0000
119	KUTIS JOHN S & SYLVIA M	TAX MAP NO. 15-0005-0020-0000-0000
120	BERNIER CHRISTINE A	TAX MAP NO. 15-0005-0033-0000-0000
121	BERNIER CHRISTINE A	TAX MAP NO. 15-0005-0022-0000-0000
122	MCMILLAN GORDON W	TAX MAP NO. 15-0005-0022-0001-0000
123	FOSTER WILLIAM R ET UX	TAX MAP NO. 15-0005-0032-0000-0000
124	MABEL RIGGLE, ET AL	TAX MAP NO. 15-0005-0025-0000-1500
125	TOLAND CARRIE M & DONALD R	TAX MAP NO. 15-0003-0010-0000-0000
126	PACZEWSKI BETTY SUE & ALBERT J	TAX MAP NO. 15-0003-0017-0000-0000
127	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 15-0003-0009-0001-0000
128	WINEMAN LONNIE J & KATHIE B	TAX MAP NO. 15-0003-0009-0000-0000
129	WARD STEVE AND ED	TAX MAP NO. 15-0003-0008-0000-0000
130	JONES EVELINE J	TAX MAP NO. 15-0003-0006-0000-0000
131	GRAY GEORGE K & BONNIE J NORTH	TAX MAP NO. 15-0003-0006-0001-0000
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
134	CHILAK WILLIAM J & MARIAN	TAX MAP NO. 12-0015-0002-0002-0000
213	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 12-0015-0020-0000-0000

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Land Planning | Landscape Architecture | Environmental

WATER WELLS:
NONE FOUND

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OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



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

OPERATOR'S WELL #: SHL 27 AHS

API WELL # 47 061 01984
STATE COUNTY PERMIT

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

SHEET: 2 OF 2

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

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)

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