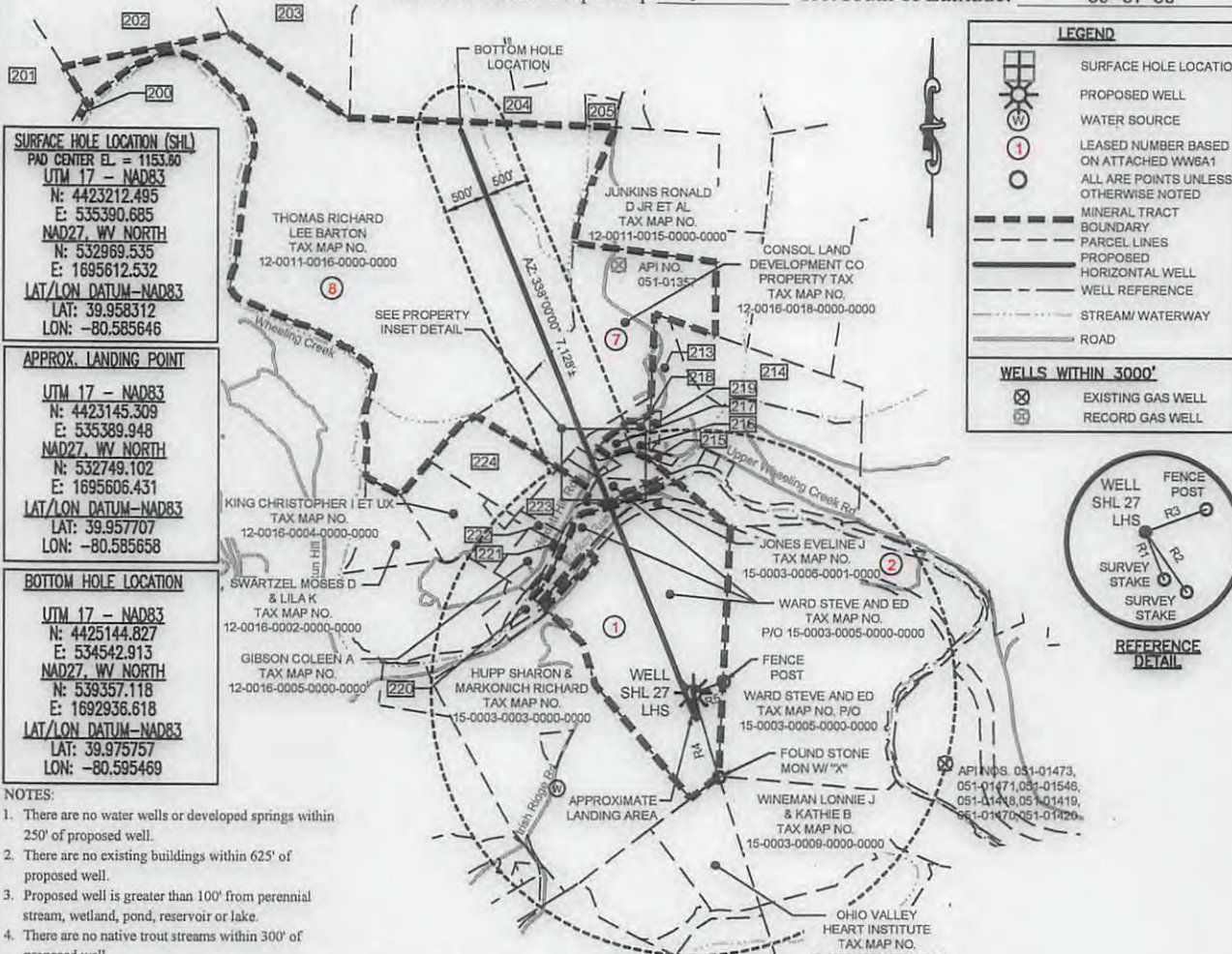


Well is located on topo map 8 feet south of Latitude: 39° 57' 30"

Well is located on topo map 648 feet west of Longitude: 80° 35' 00"



SURFACE HOLE LOCATION (SHL)
 PAD CENTER EL. = 1153.60
 UTM 17 - NAD83
 N: 4423212.495
 E: 535390.685
 NAD27, WV NORTH
 N: 532969.535
 E: 1695612.532
 LAT/LON DATUM-NAD83
 LAT: 39.958312
 LON: -80.585646

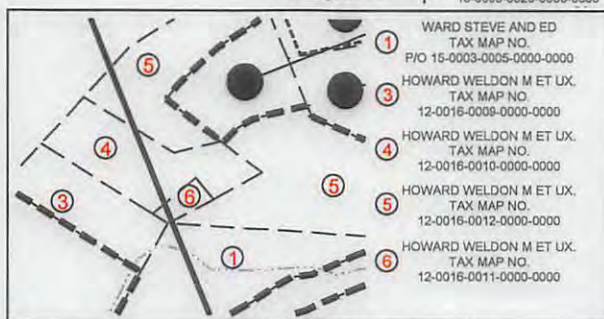
APPROX. LANDING POINT
 UTM 17 - NAD83
 N: 4423145.309
 E: 535389.948
 NAD27, WV NORTH
 N: 532749.102
 E: 1695606.431
 LAT/LON DATUM-NAD83
 LAT: 39.957707
 LON: -80.585658

BOTTOM HOLE LOCATION
 UTM 17 - NAD83
 N: 4425144.827
 E: 534542.913
 NAD27, WV NORTH
 N: 539357.118
 E: 1692936.618
 LAT/LON DATUM-NAD83
 LAT: 39.975757
 LON: -80.595469

- 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.



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



PROPERTY INSET DETAIL
 1"=500'

LEGEND

- SURFACE HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WW6A1
- 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



LINE TABLE

LINE	BEARING	DISTANCE
R1	N21°41'32"W	292.75'
R2	N34°25'44"W	417.87'
R3	S69°34'41"W	369.48'
R4	N17°20'16"W	994.91'
R5	S69°34'41"W	369.48'

FILE #: SHL 27 LHS
 DRAWING #: SHL 27 LHS
 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.: _____ 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

DATE: NOVEMBER 18, 2014 - REV. JULY 20, 2017

OPERATOR'S WELL #: SHL 27 LHS

API WELL # 47 051 01959
 STATE COUNTY PERMIT
 H6A

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

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: 6,200' ± TMD: 13,938' ±
 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

11/03/2017

Bottom hole is located on topo map 8833 feet south of Latitude: 40° 00' 00"

Bottom hole is located on topo map 3404 feet west of Longitude: 80° 35' 00"

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 LAT: 39.975757
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200	HICKEY GLENN M	TAX MAP NO. 15-0001-0008-0001-0000
201	HICKEY GLENN M	TAX MAP NO. 12-0010-0008-0000-0000
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. 12-0011-0008-0000-0000
205	HILLBERRY PAUL E JR	TAX MAP NO. 12-0011-0009-0003-0000
207	TERRY JOHN G II	TAX MAP NO. 12-0016-0007-0000-0000
208	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0008-0000-0000
209	WARD STEVE AND ED	TAX MAP NO. 15-0003-0005-0000-0000
210	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0009-0000-0000
211	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0010-0000-0000
212	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0012-0000-0000
213	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 12-0016-0020-0000-0000
214	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 12-0016-0022-0000-0000
215	HOWARD JACK ET UX	TAX MAP NO. 12-0016-0019-0000-0000
216	NEWBERRY PHILLIP E	TAX MAP NO. 12-0016-0015-0000-0000
217	PACZEWSKI DEBRA J	TAX MAP NO. 12-0016-0012-0001-0000
218	DAVIS MORGAN	TAX MAP NO. 12-0016-0017-0000-0000
219	NORTH BONNIE J & GEORGE K GRAY	TAX MAP NO. 12-0016-0013-0000-0000
220	KELLER ROBERT LEE & MARY KAY	TAX MAP NO. 15-0003-0004-0002-0000
221	ZACCHEUS PROPERTIES LLC	TAX MAP NO. 12-0016-0006-0000-0000
222	TERRY JOHN G II	TAX MAP NO. 12-0016-0007-0000-0000
223	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0008-0000-0000
224	KUPFER PHILLIP A	TAX MAP NO. 12-0016-0002-0003-0000

LEGEND

- SURFACE HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMSA1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
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WELLS WITHIN 3000'

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Waterford Corporate Park II, Suite 101
 2000 Georgtowne Drive
 Sowlesky, PA 15143

P: 724-444-1100
 F: 724-444-1194
 www.pve-llc.com



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

FILE #: SHL 27 LHS
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DATE: NOVEMBER 18, 2014 - REV. JULY 20, 2017

OPERATOR'S WELL #: SHL 27 LHS

API WELL # 47 051 01959
 STATE COUNTY PERMIT
 _____ _____ H6A

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

SHEET: 2 OF 2

WATERSHED: WHEELING CREEK ELEVATION: 1170'
 COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, W. VA
 SURFACE OWNER: STEVE WARD AND ED WARD ACREAGE: 122.47
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11/03/2017