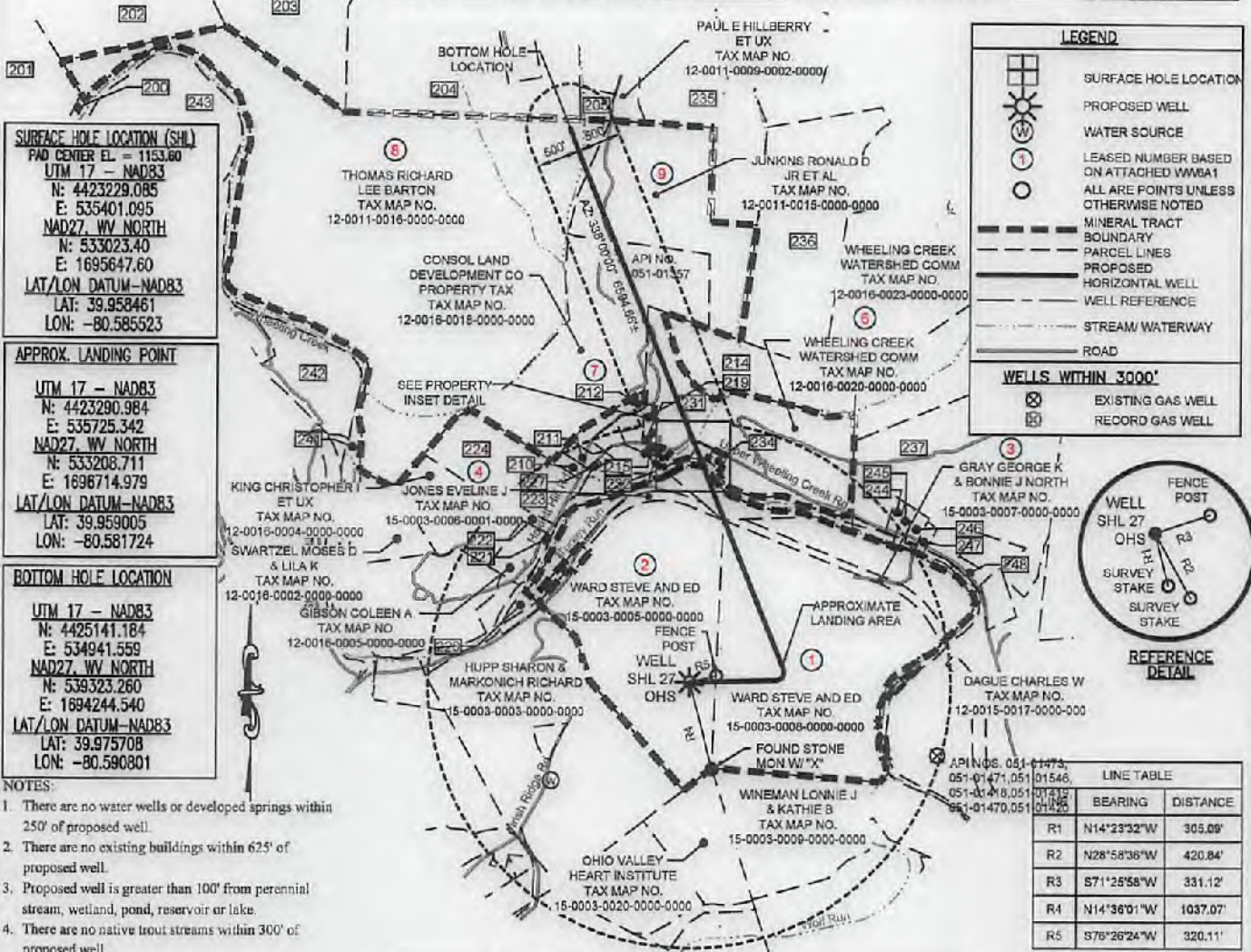


Well is located on topo map 15,161 feet south of Latitude: 40° 00' 00"

Well is located on topo map 615 feet west of Longitude: 80° 35' 00"



SURFACE HOLE LOCATION (SHL)
 PAD CENTER EL. = 1153.60
 UTM 17 - NAD83
 N: 4423229.085
 E: 535401.095
 NAD27, WV NORTH
 N: 533023.40
 E: 1695647.60
 LAT/LON DATUM-NAD83
 LAT: 39.958461
 LON: -80.585523

APPROX. LANDING POINT
 UTM 17 - NAD83
 N: 4423290.984
 E: 535725.342
 NAD27, WV NORTH
 N: 533208.711
 E: 1696714.979
 LAT/LON DATUM-NAD83
 LAT: 39.959005
 LON: -80.581724

BOTTOM HOLE LOCATION
 UTM 17 - NAD83
 N: 4425141.184
 E: 534941.559
 NAD27, WV NORTH
 N: 539323.260
 E: 1694244.540
 LAT/LON DATUM-NAD83
 LAT: 39.975708
 LON: -80.590801

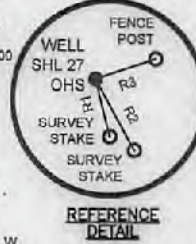
- NOTES:
- There are no water wells or developed springs within 250' of proposed well.
 - There are no existing buildings within 625' of proposed well.
 - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 - There are no native trout streams within 300' of proposed well.
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LEGEND

- SURFACE HOLE LOCATION
- PROPOSED WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WMBA1 ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM WATERWAY
- ROAD

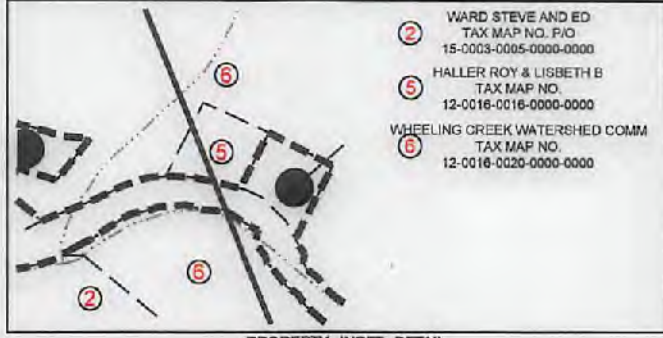
WELLS WITHIN 3000'

- EXISTING GAS WELL
- RECORD GAS WELL



LINE TABLE

LINE	BEARING	DISTANCE
R1	N14°23'32"W	305.09'
R2	N28°58'36"W	420.84'
R3	S71°25'58"W	331.12'
R4	N14°36'01"W	1037.07'
R5	S76°26'24"W	320.11'



Whitefront Corporate Park, LLC, Suite 101
 2000 Georgetown Drive
 Swanton, PA 15943

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

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

FILE #: SHL 27 OHS
 DRAWING #: SHL 27 OHS
 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:
 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: OCTOBER 21, 2014 - REV. JULY 20, 2017

OPERATOR'S WELL #: SHL 27 OHS

API WELL # 47 051 01992

STATE COUNTY PERMIT WV HGA

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: 6,203' ± TMD: 13,627' ±

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

Address: 5260 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 8851 feet south of Latitude: 40° 00' 00"

Bottom hole is located on topo map 2096

feet west of Longitude: 80° 35' 00"

200	HICKEY GLENN M	TAX MAP NO. 15-0001-0006-0001-0000
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
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
214	WHEELING CREEK WATERSHED COMM	TAX MAP NO. 12-0016-0022-0000-0000
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
226	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
226	HOWARD WELDON M ET UX	TAX MAP NO. 12-0016-0012-0000-0000
230	NORTH BONNIE J & GEORGE K GRAY	TAX MAP NO. 12-0016-0013-0000-0000
231	NORTH BONNIE J & GEORGE K GRAY	TAX MAP NO. 12-0016-0014-0000-0000
232	HOWARD JACK ET UX	TAX MAP NO. 12-0016-0019-0000-0000
234	HALLER ROY & LISBETH B	TAX MAP NO. 12-0016-0021-0000-0000
235	MCCARDLE ARNOLD EDW ET UX	TAX MAP NO. 12-0011-0009-0000-0000
236	RULONG KEVIN D & JENNIFER	TAX MAP NO. 12-0011-0014-0002-0000
237	THOMAS K OLAKO	TAX MAP NO. 12-0016-0026-0000-0000
244	JAMES L CLEMONS	TAX MAP NO. 12-0016-0029-0000-0000
245	JAMES L CLEMONS	TAX MAP NO. 12-0016-0030-0000-0000
246	JAMES L CLEMONS	TAX MAP NO. 12-0016-0031-0000-0000
247	JAMES L CLEMONS	TAX MAP NO. 12-0016-0032-0000-0000
248	RICHARD E HARTLEY SR ET UX	TAX MAP NO. 12-0016-0028-0000-0000

LEGEND

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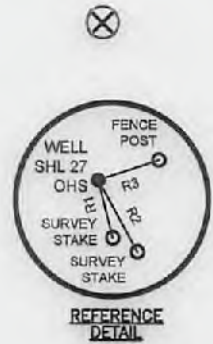


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