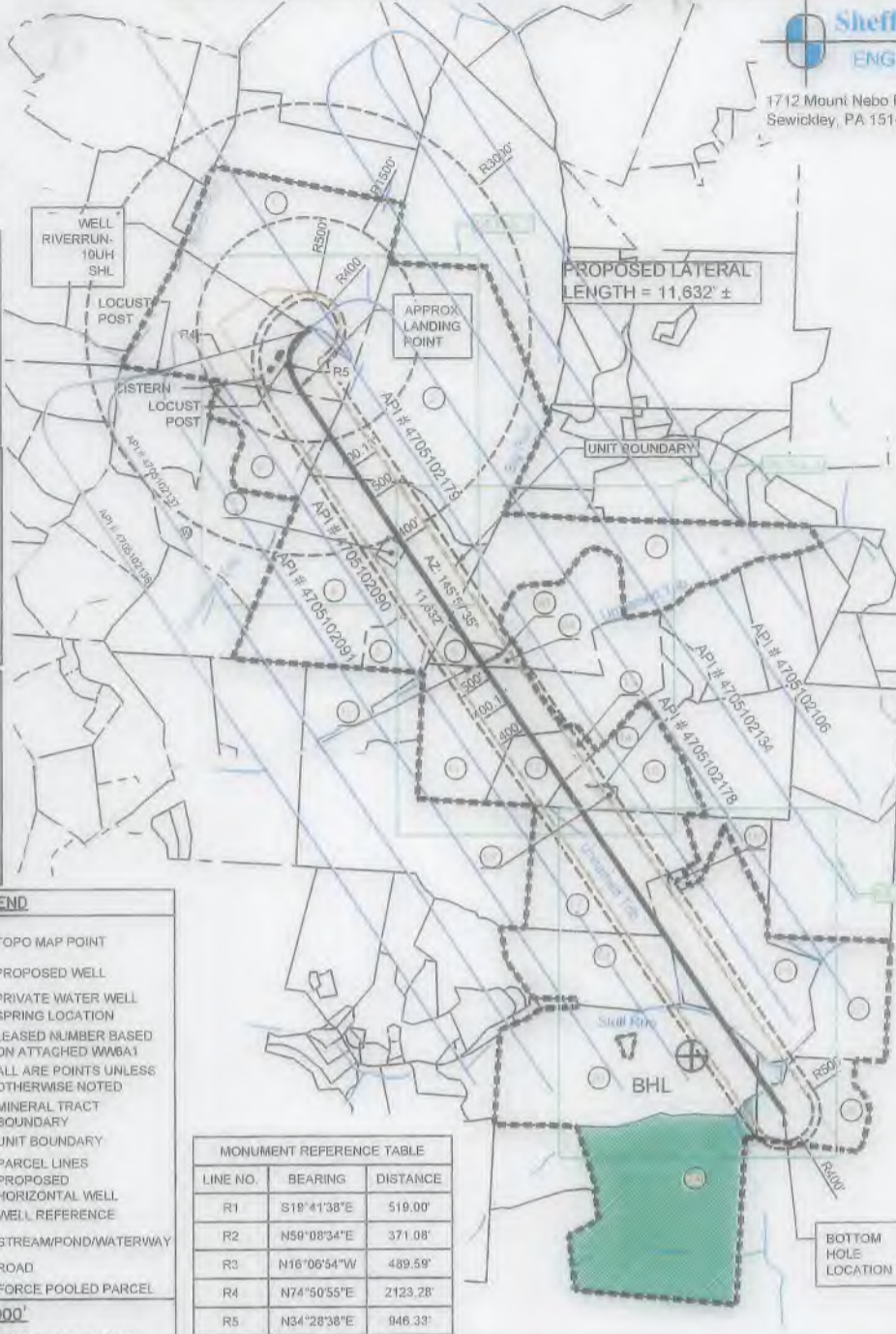


SHL is located on topo map 1,665 feet south of Latitude: 39° 57' 30"
 BHL is located on topo map 12,011 feet south of Latitude: 39° 57' 30"

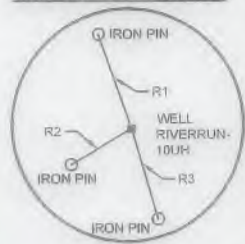
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 ENGINEERING • SURVEYING
 1712 Mount Nebo Road Phone: 412-219-4509
 Sewickley, PA 15143 Email: info@shefflerCo.com



TOTAL UNIT
 259.3 ACRES

06/14/2019

REFERENCE DETAIL



NOTES

1. There are no water wells or developed springs within 250' of proposed well
2. There are existing buildings within 625' of proposed well, see Detail 1
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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted
7. Mineral and Surface parcel lines are the same

SHL is located on topo map 435
 BHL is located on topo map 5604
 feet west of Longitude: 80° 37' 30"
 feet west of Longitude: 80° 35' 00"

SURFACE HOLE LOCATION (SHL)
 UTM 17 - NAD83
 N: 4422692.147(m)
 E: 531898.889(m)
 NAD27, WV NORTH
 N: 531453.837(ft)
 E: 1684126.003(ft)
 LAT/LON - NAD83
 LAT: N39.9537630
 LON: W80.6265526

APPROXIMATE LANDING POINT
 UTM 17 - NAD83
 N: 4422451.894(m)
 E: 531864.978(m)
 NAD27, WV NORTH
 N: 530667.302(ft)
 E: 1684001.556(ft)
 LAT/LON - NAD83
 LAT: N39.9515997
 LON: W80.6269613

BOTTOM HOLE LOCATION (BHL)
 UTM 17 - NAD83
 N: 4419548.533(m)
 E: 533897.928(m)
 NAD27, WV NORTH
 N: 521028.180(ft)
 E: 1690513.301(ft)
 LAT/LON - NAD83
 LAT: N39.9253623(d)
 LON: W80.6033135(d)

LEGEND

- TOPO MAP POINT
- PROPOSED WELL
- PRIVATE WATER WELL
- SPRING LOCATION
- LEASED NUMBER BASED ON ATTACHED WA6A1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- UNIT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/POND/WATERWAY
- ROAD
- FORCE POOLED PARCEL

WELLS WITHIN 3000'
 EIGHT (8) DEEP WELLS WITHIN 3000'

MONUMENT REFERENCE TABLE

LINE NO.	BEARING	DISTANCE
R1	S19°41'38"E	519.00'
R2	N58°08'34"E	371.08'
R3	N16°08'54"W	489.59'
R4	N74°50'55"E	2123.28'
R5	N34°28'38"E	946.33'

FILE #: RIVERRUN-10UH
 DRAWING #: RIVERRUN-10UH-R4.DWG
 SCALE: 1"=2500'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX0742: 1343.3'

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: *Handwritten Signature*
 R.P.E.: 21452 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

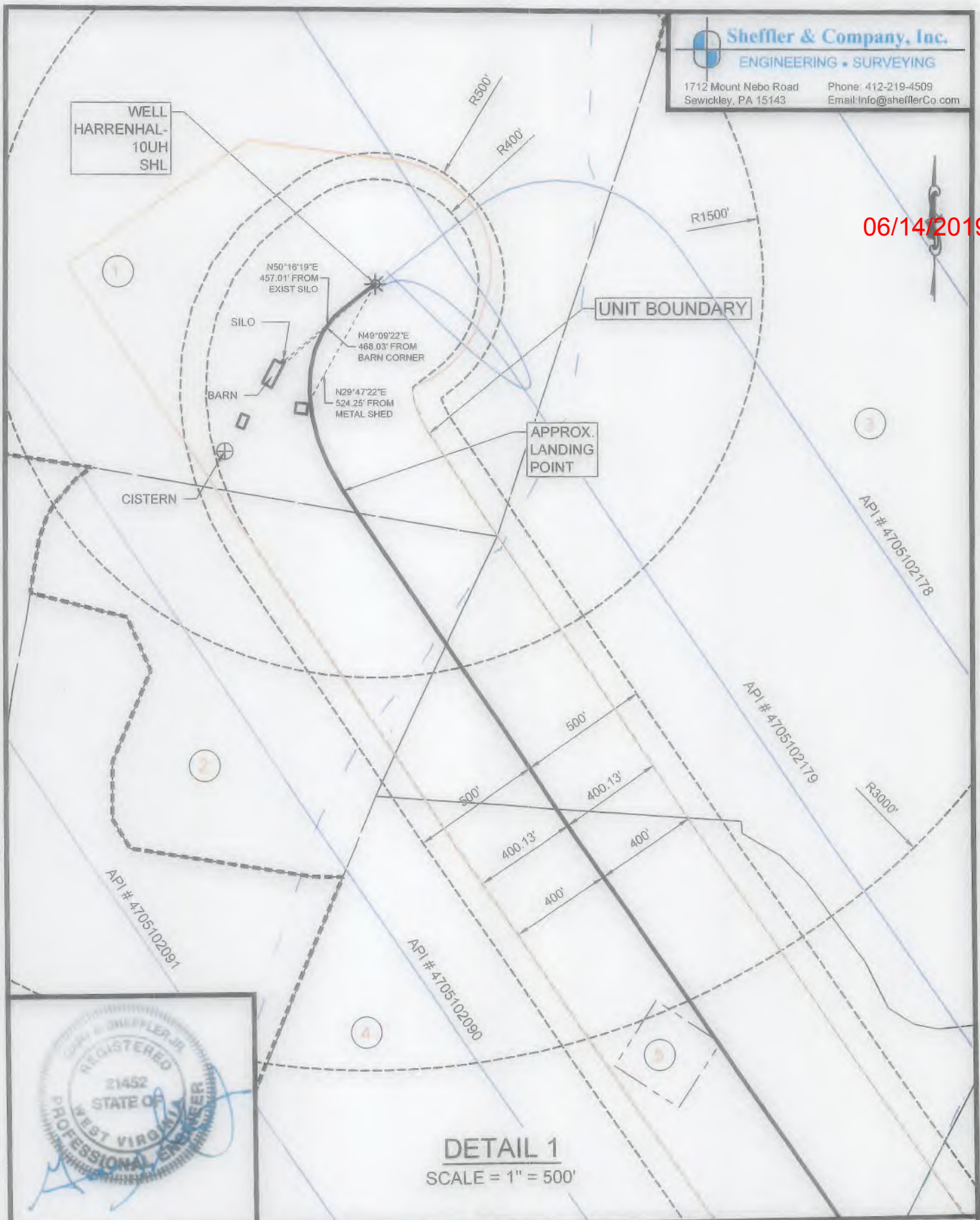
WATERSHED: WHEELING CREEK - UPPER OHIO RIVER
 COUNTY/DISTRICT: MARSHALL / WEBSTER
 SURFACE OWNER: APP MINERALS LLC
 OIL & GAS ROYALTY OWNER: APP MINERALS LLC



DATE: February 7, 2019 - REV - April 30, 2019
 OPERATOR'S WELL #: RIVERRUN-10UH
 API WELL # 47 051 02180
 STATE COUNTY PERMIT
 ACREAGE: 183.31

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: POINT PLEASANT
 WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC
 Address: 4600 J. BARRY COURT, SUITE 310
 City: CANONSBURG State: PA Zip Code: 15317
 ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,551' ±
 DESIGNATED AGENT: STEVEN GREEN
 Address: 300 SUMMERS ST, SUITE 1000
 City: CHARLESTON State: WV Zip Code: 25301

06/14/2019



DETAIL 1
 SCALE = 1" = 500'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: February 7, 2019 - REV - April 30, 2019
 OPERATOR'S WELL #: RIVERRUN-10UH
 API WELL # 47 051 02180H6A
 STATE COUNTY PERMIT

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

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER ELEVATION: 1,264.94'
 COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MOUNDSVILLE, WV
 SURFACE OWNER: APP MINERALS LLC ACREAGE: 183.31
 OIL & GAS ROYALTY OWNER: APP MINERALS LLC

ACREAGE: 183.31

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: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,551' ±
 WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC DESIGNATED AGENT: STEVEN GREEN
 Address: 4600 J. BARRY COURT, SUITE 310 Address: 300 SUMMERS ST, SUITE 1000
 City: CANONSBURG State: PA Zip Code: 15317 City: CHARLESTON State: WV Zip Code: 25301

06/14/2019



DETAIL 2
SCALE = 1" = 500'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: February 7, 2019 - REV - April 30, 2019

OPERATOR'S WELL #: RIVERRUN-10UH

API WELL # 47 051 02180H6A
STATE COUNTY PERMIT

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

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER ELEVATION: 1,264.94'

COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MOUNDVILLE, WV

SURFACE OWNER: APP MINERALS LLC ACREAGE: 183.31

OIL & GAS ROYALTY OWNER: APP MINERALS LLC ACREAGE: 183.31

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: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,551' ±

WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC DESIGNATED AGENT: STEVEN GREEN

Address: 4600 J. BARRY COURT, SUITE 310 Address: 300 SUMMERS ST, SUITE 1000

City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

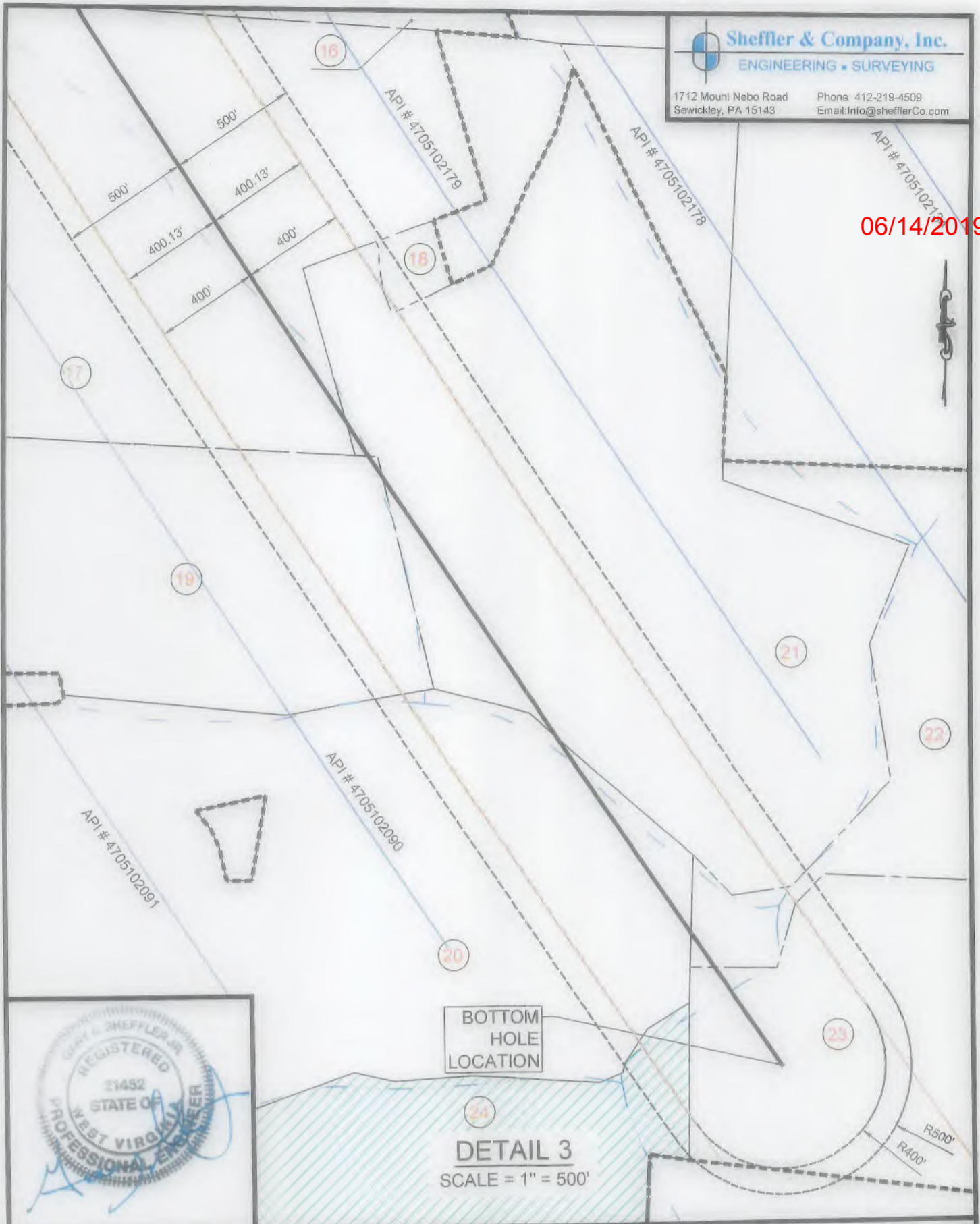


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1712 Mount Nebo Road
Sewickley, PA 15143

Phone: 412-219-4509
Email: info@shefflerCo.com

06/14/2019



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

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

Well Type:

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Oil | <input type="checkbox"/> Waste Disposal | <input checked="" type="checkbox"/> Production | <input checked="" type="checkbox"/> Deep |
| <input checked="" type="checkbox"/> Gas | <input type="checkbox"/> Liquid Injection | <input type="checkbox"/> Storage | <input type="checkbox"/> Shallow |

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER

ELEVATION: 1,264.94'

COUNTY/DISTRICT: MARSHALL / WEBSTER

QUADRANGLE: MOUNDSVILLE, WV

SURFACE OWNER: APP MINERALS LLC

ACREAGE: 183.31

OIL & GAS ROYALTY OWNER: APP MINERALS LLC

ACREAGE: 183.31

- 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: POINT PLEASANT

ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,551' ±

WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC

DESIGNATED AGENT: STEVEN GREEN

Address: 4600 J. BARRY COURT, SUITE 310

Address: 300 SUMMERS ST, SUITE 1000

City CANONSBURG State PA Zip Code 15317

City CHARLESTON State WV Zip Code 25301

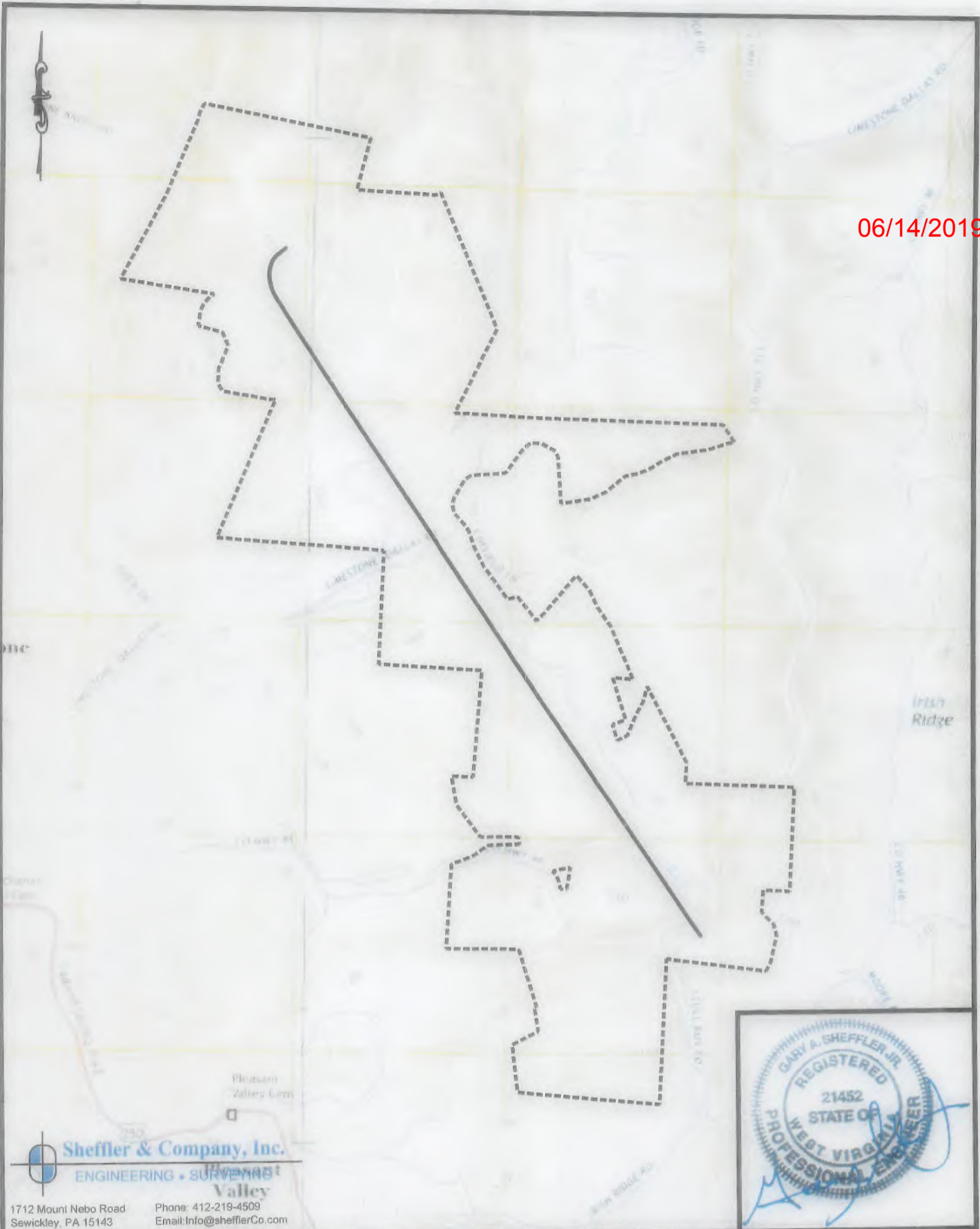


DATE: February 7, 2019 - REV - April 30, 2019

OPERATOR'S WELL #: RIVERRUN-10UH

API WELL # 47 051 0218066A
STATE COUNTY PERMIT

06/14/2019



Sheffler & Company, Inc.
 ENGINEERING • SURVEYING
 RIVER VALLEY

1712 Mount Nebo Road
 Sewickley, PA 15143
 Phone: 412-219-4509
 Email: info@shefflerco.com



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: February 7, 2019 - REV - April 30, 2019

OPERATOR'S WELL #: RIVERRUN-10UH

API WELL # 47 051 02180H6A
 STATE COUNTY PERMIT

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

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER ELEVATION: 1,264.94'
 COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MOUNDSVILLE, WV
 SURFACE OWNER: APP MINERALS LLC ACREAGE: 183.31
 OIL & GAS ROYALTY OWNER: APP MINERALS LLC ACREAGE: 183.31

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: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,551' ±
 WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC DESIGNATED AGENT: STEVEN GREEN
 Address: 4600 J. BARRY COURT, SUITE 310 Address: 300 SUMMERS ST, SUITE 1000
 City CANONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

06/14/2019

- | | | |
|--|--|--|
| <p><input type="radio"/> TAX MAP NO.
15-0002-0016-0000-0000
ASSESSED ACREAGE: 183.31 ACRES</p> <p><u>SURFACE OWNERS:</u>
APP MINERAL, LLC</p> <p><u>MINERAL OWNERS:</u>
APP MINERAL, LLC</p> | <p><input type="radio"/> TAX MAP NO.
15-0002-0014-0002-0000
ASSESSED ACREAGE: 2.00 ACRES</p> <p><u>SURFACE OWNERS:</u>
HESS, KAREN & CHARLES P.</p> <p><u>MINERAL OWNERS:</u>
CRAIG A. & NORA J. SNYDER; TROWBRIDGE</p> | <p><input type="radio"/> TAX MAP NO.
15-0002-0019-0000-0000
ASSESSED ACREAGE: 1.73 ACRES</p> <p><u>SURFACE OWNERS:</u>
RIEDMAN, THOMAS MERLIN, ET UX.</p> <p><u>MINERAL OWNERS:</u>
GARY W. STROPE AND RICKEE J. STROPE,
TRUSTEES OF THE STROPE FAMILY
TRUST DATED MARCH 29, 2017.</p> |
| <p><input type="radio"/> TAX MAP NO.
15-0002-0017-0003-0000
ASSESSED ACREAGE: 41.85 ACRES</p> <p><u>SURFACE OWNERS:</u>
DOVE, WILLIAM E., ET AL.</p> <p><u>MINERAL OWNERS:</u>
RESOURCE MINERALS HEADWATER I, LP</p> | <p><input type="radio"/> TAX MAP NO.
15-0002-0014-0001-0000
ASSESSED ACREAGE: 11.48 ACRES</p> <p><u>SURFACE OWNERS:</u>
HESS, KAREN & CHARLES P.</p> <p><u>MINERAL OWNERS:</u>
KAREN SNYDER & CHARLES P. HESS</p> | <p><input type="radio"/> TAX MAP NO.
15-0002-0019-0000-0000
ASSESSED ACREAGE: 0.27 ACRES</p> <p><u>SURFACE OWNERS:</u>
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION,
DIVISION OF HIGHWAYS</p> <p><u>MINERAL OWNERS:</u>
WEST VIRGINIA DEPARTMENT OF TRANSPORTATION,
DIVISION OF HIGHWAYS</p> |
| <p><input type="radio"/> TAX MAP NO.
15-0002-0015-0000-0000
ASSESSED ACREAGE: 171.32 ACRES</p> <p><u>SURFACE OWNERS:</u>
HARRY B. SNYDER AND
ELIZABETH JANE SNYDER,
TRUSTEES OF THE SNYDER FAMILY TRUST,
DATED DECEMBER 17, 2014</p> <p><u>MINERAL OWNERS:</u>
HARRY B. SNYDER AND
ELIZABETH JANE SNYDER,
TRUSTEES OF THE SNYDER FAMILY TRUST,
DATED DECEMBER 17, 2014</p> | <p><input type="radio"/> TAX MAP NO.
15-0002-0013-0000-0000
ASSESSED ACREAGE: 94.04 ACRES</p> <p><u>SURFACE OWNERS:</u>
BOCK, JEFFERY T.</p> <p><u>MINERAL OWNERS:</u>
JEFFREY T. BOCK
SALLY A. HUNTER-BOCK</p> | <p><input type="radio"/> TAX MAP NO.
15-0007-0021-0001-0000
ASSESSED ACREAGE: 0.20 ACRES</p> <p><u>SURFACE OWNERS:</u>
PARSONS, NATASHA C.</p> <p><u>MINERAL OWNERS:</u>
GARY W. STROPE AND RICKEE J. STROPE,
TRUSTEES OF THE STROPE FAMILY
TRUST DATED MARCH 29, 2017.</p> |
| <p><input type="radio"/> TAX MAP NO.
15-0002-0014-0000-0000
ASSESSED ACREAGE: 126.12 ACRES</p> <p><u>SURFACE OWNERS:</u>
HARRY B. SNYDER AND
ELIZABETH JANE SNYDER,
TRUSTEES OF THE SNYDER FAMILY TRUST,
DATED DECEMBER 17, 2014</p> <p><u>MINERAL OWNERS:</u>
HARRY B. SNYDER AND
ELIZABETH JANE SNYDER,
TRUSTEES OF THE SNYDER FAMILY TRUST,
DATED DECEMBER 17, 2014</p> | <p><input type="radio"/> TAX MAP NO.
15-0002-0013-0002-0000
ASSESSED ACREAGE: 6.76 ACRES</p> <p><u>SURFACE OWNERS:</u>
PARSONS, NATASHA C.</p> <p><u>MINERAL OWNERS:</u>
RESOURCE MINERALS HEADWATER I, LP,
DONNA GASSAWAY IAMS,
DONALD HEBERT PARSONS,
KENNETH ROBERT PARSONS,
TEDDY HOWARD PARSONS,
RICHARD MCKIMMIE AND BERNICE MCKIMMIE,
TRUSTEES OF THE MCKIMMIE FAMILY TRUST</p> | <p><input type="radio"/> TAX MAP NO.
15-0007-0021-0000-0000
ASSESSED ACREAGE: 59.80 ACRES</p> <p><u>SURFACE OWNERS:</u>
RIEDMAN, THOMAS MERLIN, ET UX.</p> <p><u>MINERAL OWNERS:</u>
GARY W. STROPE AND RICKEE J. STROPE,
TRUSTEES OF THE STROPE FAMILY
TRUST DATED MARCH 29, 2017.</p> |
| <p><input type="radio"/> TAX MAP NO.
15-0007-0022-0000-0000
ASSESSED ACREAGE: 48.77</p> <p><u>SURFACE OWNERS:</u>
BOCK THOMAS A., ET UX.</p> <p><u>MINERAL OWNERS:</u>
BRENT E. CAIN
DAVID S. CAIN
HERMAN D. LANTZ
THOMAS A. & PAMELA L. BOCK
THOMAS D. CAIN</p> | | |

(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: February 7, 2019 - REV - April 30, 2019

OPERATOR'S WELL #: RIVERRUN-10UH

API WELL #	47	051	02180H6A
	STATE	COUNTY	PERMIT

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

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER ELEVATION: 1,264.94'

COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MOUNDVILLE, WV

SURFACE OWNER: APP MINERALS LLC ACREAGE: 183.31

OIL & GAS ROYALTY OWNER: APP MINERALS LLC ACREAGE: 183.31

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: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,551' ±

WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC DESIGNATED AGENT: STEVEN GREEN

Address: 4600 J. BARRY COURT, SUITE 310 Address: 300 SUMMERS ST, SUITE 1000

City: CANONSBURG State: PA Zip Code: 15317 City: CHARLESTON State: WV Zip Code: 25301

TAX MAP NO.
15-0007-0022-0001-0000
ASSESSED ACREAGE: 3.00 ACRES

SURFACE OWNERS:
BURKLE, GERALD E., ET AL.

MINERAL OWNERS:
BRENT EUGENE CAIN
DAVID SCOTT CAIN
THOMAS DEAN CAIN

1712 Mount Nebo Road Phone: 412-219-4509
Sewickley, PA 15143 Email: info@shefflerCo.com

06/14/2019

TAX MAP NO.
15-0007-0023-0003-0000
ASSESSED ACREAGE: 17.02 ACRES

SURFACE OWNERS:
HASLAM, LORRAINE

MINERAL OWNERS:
LORRAINE HASLAM

TAX MAP NO.
15-0007-0023-0002-0000
ASSESSED ACREAGE: 1.18 ACRES

SURFACE OWNERS:
HASLAM, LORRAINE, ET AL.

MINERAL OWNERS:
LORRAINE HASLAM,
SRI HASLAM

TAX MAP NO.
15-0007-0023-0000-0000
ASSESSED ACREAGE: 19.61 ACRES

SURFACE OWNERS:
HASLAM, LORRAINE, ET AL.,
AS JOINT TENANTS WITH
RIGHT OF SURVIVORSHIP

MINERAL OWNERS:
LORRAINE & SRI HASLAM

TAX MAP NO.
15-0007-0027-0000-0000
ASSESSED ACREAGE: 76.34 ACRES

SURFACE OWNERS:
COFFIELD, WILLIAM E., ET UX.,
AS JOINT TENANTS WITH
RIGHT OF SURVIVORSHIP

MINERAL OWNERS:
WILLIAM E. & BRENDA K. COFFIELD

TAX MAP NO.
15-0007-0026-0001-0000
ASSESSED ACREAGE: 1.58

SURFACE OWNERS:
RICE, STEVEN T, ET UX.

MINERAL OWNERS:
JENNIFER L. RICE

TAX MAP NO.
15-0007-0028-0000-0000
46.06 ACRES

SURFACE OWNERS:
COFFIELD, WILLIAM E. & BRENDA K.

MINERAL OWNERS:
WILLIAM E. & BRENDA K. COFFIELD

TAX MAP NO.
15-0007-0029-0000-0000
ASSESSED ACREAGE: 114.91 ACRES

SURFACE OWNERS:
FRIED, GABRIEL B.

MINERAL OWNERS:
GABRIEL B. FRIED

TAX MAP NO.
15-0007-0026-0000-0000
ASSESSED ACREAGE: 81.67 ACRES

SURFACE OWNERS:
COFFIELD, BETTY GENEVA

MINERAL OWNERS:
BETTY GENEVA COFFIELD
DEBRA & PAUL HOLDREN
JUDITH LAWHEAD
KIMBER LEE LAWHEAD

TAX MAP NO.
15-0007-0030-0000-0000
ASSESSED ACREAGE: 40.00 ACRES

SURFACE OWNERS:
SCHRACK, DAVID W.

MINERAL OWNERS:
DAVID SCHRACK

TAX MAP NO.
15-0009-0001-0000-0000
ASSESSED ACREAGE: 36.26 ACRES

SURFACE OWNERS:
SCHRACK, TROY D. & SHERRY L.

MINERAL OWNERS:
GARNET RUBY BUSH AND KENNETH R. BUSH,
CO-TRUSTEES OF THE GARNETT BUSH FAMILY
TRUST, DATED APRIL 16, 2018,
BRENT M. BUSH,
LAWRENCE L. GILMORE,
EILEEN GILMORE MERCADO AND ALBERT MERCADO

TAX MAP NO.
15-0008-0032-0000-0000
ASSESSED ACREAGE: 120.09 ACRES

SURFACE OWNER:
SCHRACK, DAVID W.

MINERAL OWNERS:
ANNE MCCOMBS WELLMAN
AMANDA BLACKWELL
CURTIS FITZSIMMONS
UNKNOWN HEIRS OF EVELYN G. MCCOMBS
DAVID SCHRACK
ROBERT CURTIS FITZSIMMONS
ROBIN NAGY
MARILYN LYDICK
CHRISTINE GILLIS
ASHLEY HENDERSON
BARBARA COOK
CAROL COTA
ALICE J BARNES
ELIZABETH SHEPHERD
BONNIE FITZSIMMONS WENDT

(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE February 7, 2019 - REV - April 30, 2019

OPERATOR'S WELL #: RIVERRUN-10UH

API WELL # 47 051 02180HG6A

STATE COUNTY PERMIT

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

WATERSHED: WHEELING CREEK - UPPER OHIO RIVER ELEVATION: 1,264.94'

COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MOUNDSVILLE, WV

SURFACE OWNER: APP MINERALS LLC ACREAGE: 183.31

OIL & GAS ROYALTY OWNER: APP MINERALS LLC ACREAGE: 183.31

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
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TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,395' ± TMD: 23,551' ±

WELL OPERATOR: AMERICAN PETROLEUM PARTNERS OPERATING, LLC DESIGNATED AGENT: STEVEN GREEN

Address: 4600 J. BARRY COURT, SUITE 310 Address: 300 SUMMERS ST, SUITE 1000

City: CANONSBURG State: PA Zip Code: 15317 City: CHARLESTON State: WV Zip Code: 25301