

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE) ← 1586' →

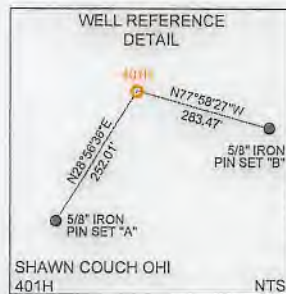


www.jhacompanies.com

68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)

8438'



GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT

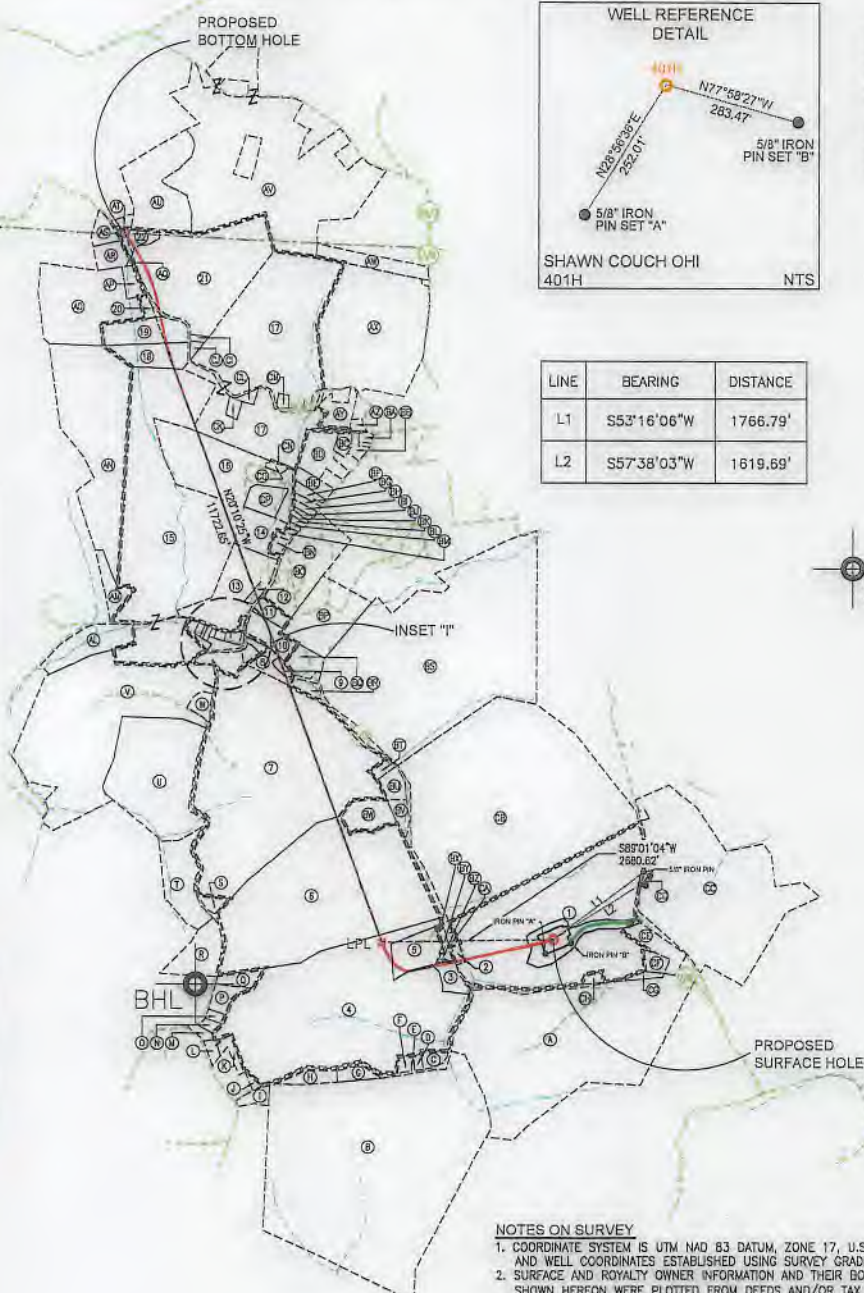
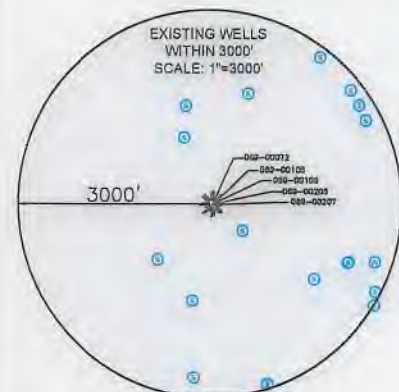
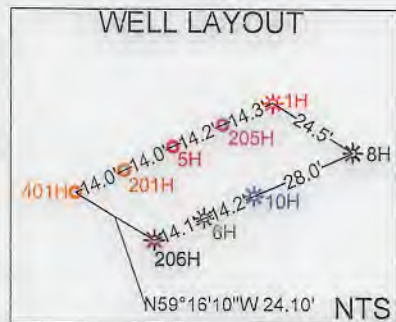
LINE	BEARING	DISTANCE
L1	S53°16'06"W	1766.79'
L2	S57°38'03"W	1619.69'

6879'

11201'

LONGITUDE: 80°35'00" SURFACE HOLE (2000' SCALE)

BRADDOCK COUNTY, WEST VIRGINIA  
OHIO COUNTY, WEST VIRGINIA



NOTES ON SURVEY

- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

3000 0 3000

GRAPHIC SCALE IN FEET

<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4444244.94 EASTING: 535025.38
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4444217.27 EASTING: 534209.10
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4447548.80 EASTING: 532921.36



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041

COMPANY:  
**SWN** **SWN** *RZ-V+0*  
Production Company, LLC Production Company™

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>SHAWN COUCH OHI</p> <p>OPERATOR'S WELL #: 401H</p> <p>API WELL #: <b>47</b> <b>069</b> <b>00308</b></p> <p>STATE COUNTY PERMIT</p>
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WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	ELEVATION: 1,246.8'
WATERSHED: UPPER OHIO SOUTH	QUADRANGLE: BETHANY, WV
DISTRICT: LIBERTY COUNTY: OHIO	ACREAGE: ±144.29
SURFACE OWNER: SHAWN W. COUCH (TRUST)	ACREAGE: ±144.29
OIL & GAS ROYALTY OWNER: LL&B HEADWATER II, LP & RESOURCE MINERALS HEADWATER I, LP	
DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>	
CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 6,149' TVD 18,859' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE: 07-25-2019
<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL: LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>NATURAL WATERWAY</li> <li>SURVEYED BOUNDARY</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> <li>PUBLIC ROAD</li> </ul>		API NO: 47-069-XXXXX DRAWN BY: D. REED SCALE: 1" = 3000' DRAWING NO: 2019-0523 WELL LOCATION PLAT

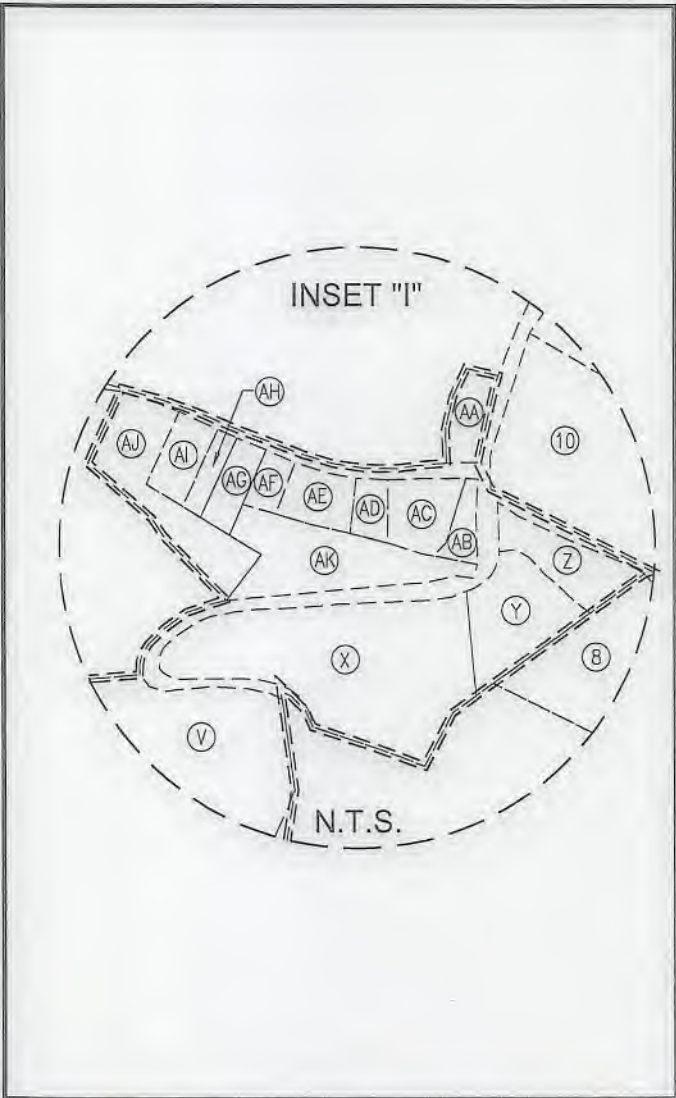
**WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS**

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SHAWN W. COUCH (TRUST) (S) LL&B HEADWATER II, LP & RESOURCE MINERALS HEADWATER I, LP (R)	03-L4-110.0
<b>TRACT</b>	<b>SURFACE OWNER</b>	<b>TAX PARCEL</b>
2	B.G. RIDLER & J.M. TALLMON	03-L4-113.0
3	WINDSOR POWER HOUSE COAL COMPANY	03-L4-105.7
4	HOLLAND PARK LIMITED LIABILITY	03-L4-105.0
5	DIXIE MYERS PRITIT	03-L4-105.8
6	ELIZABETH H. HESTICK, ESTATE OF BENJAMIN R. HONECKER	03-L4-104.0
7	ELIZABETH H. HESTICK, ESTATE OF BENJAMIN R. HONECKER	03-L4-103.0
8	CYNTHIA L. JOHNSON	09-WL10-11.1
9	WILLIAM S. AND CYNTHIA L. JOHNSON	09-WL10-12.0
10	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.2
11	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.3
12	DALE M. SAMPSON	09-WL6-11.0
13	DALE M. SAMPSON	09-WL6-12.0
14	DALE M. SAMPSON	09-WL6-8.1
15	DALE M. SAMPSON	03-L1-24.0
16	WEST RENTALS, INC.	03-L1-22.0
17	MATTHEW P. BONAR	03-L1-4.0
18	GARRET L. PATTERSON	03-L1-3.0
19	JOSEPH A. EVANS, MARIETTA JUNE JONES, DARLENE BENDER, PHARES O. EVANS, JR. & DANNY N. EVANS	03-L1-2.2
20	CHARLES W. & M. C. NICHOLSON (LE), LAURA ANN MYERS AND MARK ANTHONY NICHOLSON (REMAINDER INTEREST)	03-L1-2.4
21	CHARLES W. & CHARLOTTE R. BONAR	03-L1-2.6
22	TERRI L. MCCOY	03-L1-2.5

TRACT	SURFACE OWNER	TAX PARCEL
A	APPALACHIAN MIDSTREAM SERVICES, LLC	03-L4-117.0
B	BELLE LANE, LLC	03-L4-109.0
C	DELBERT K., JR. & L.K. MYERS	03-L4-107.0
D	RUDY, JR. & J.A. FAZZINI	03-L4-105.3
E	RUDY, JR. & J.A. FAZZINI	03-L4-105.9
F	RICARDO PACHECO & D.L. BUMBAUGH	03-L4-105.10
G	RICARDO R. PACHECO & DONNIE L. BUMBAUGH	03-L4-105.11
H	JOHN C. & A.F. MYERS	03-L4-108.0
I	GARY V. HAND	03-L4-96.0
J	DOROTHY A. WINESDORFFER	03-L4-105.15
K	DAVID R. & CARRIE A. HANNA	03-L4-105.6
L	ARLIE R., JR. & BELINDA D. MCCARDLE	03-L4-105.5
M	ARLIE R. MCCARDLE, JR. & B. BOND	03-L4-105.17
N	DORA M. MCCARDLE	03-L4-105.13
O	PAUL F. ADAMS	03-L4-105.16
P	PAUL F. ADAMS	03-L4-105.14
Q	MICHAEL E. SAMPSON	03-L4-105.4
R	RACHEL ANN SINCAVICH	03-L4-2.0
S	ELIZABETH R. HONECKER (L/E: JANET HONECKER)	03-L4-104.4
T	PAUL M. MCKAY, DEBORAH A. MCKAY & JANET L. HONECKER	03-L4-123.0
U	ELIZABETH R. HONECKER (L/E: JANET HONECKER)	03-L4-124.0
V	ELIZABETH L. HONECKER & ELIZABETH H. HESTICK	03-L1-42.0
W	PAUL ROLAND CLUNE, III & JESSICA LEE WHEATON	03-L1-42.1
X	STEPHANIE A. ENNIS	09-WL10-8.0
Y	WILLIAM R. & R.L. MYERS	09-WL10-9.0
Z	COLIN P. & R.M. KELLY	09-WL10-10.0
AA	CORENA C. MCGARRY	09-WL10-17.0
AB	OHIO COUNTY PUBLIC SERVICE DISTRICT	09-WL10-6.0
AC	RCC PROPERTIES, LLC	09-WL10-4.0
AD	RCC PROPERTIES, LLC	09-WL10-3.0
AE	DEBRA DAGUE	09-WL10-16.0
AF	DANIEL S. TEMPLETON	09-WL10-1.0
AG	BEN J. & NANCY S. MAZZELLA	09-WL10-7.2
AH	BEN J. & NANCY S. MAZZELLA	09-WL10-7.0
AI	BEN J. & NANCY S. MAZZELLA	09-WL10-7.1
AJ	BEN J. & NANCY S. MAZZELLA	09-WL10-15.0
AK	BEN J. & NANCY S. MAZZELLA	09-WL10-7.3
AL	TOWN OF WEST LIBERTY	09-WL9-1.0
AM	DALE M. SAMPSON	04-R6-32.0
AN	DALE M. SAMPSON	04-R6-13.0
AO	DALE M. SAMPSON	03-L1-2.0
AP	WINDSOR COAL COMPANY	03-L1-1.0
AQ	DALE M. SAMPSON	04-R6-18.0
AR	ALBERT H., JR. & CINDY S. POSTLEWAIT	04-R6-16.1
AS	PATRICK E. & DONNA M. KING	03-B47-15.0
AT	DOROTHY A. THOMAS	03-B47-13.0
AU	LAWRENCE & MARTHA SAYRE	03-B47-14.0
AV	CAROL DWYER	03-B47-25.0
AW	DEREK J. & NICOLE L. ENNIS	03-L1-43.0
AX	DEREK J. & NICOLE L. ENNIS	03-L1-4.2
AY	CHARLES BONAR	03-L1-21.1
AZ	MICHAEL A. & DIANA L. RICE	09-WL3-3.0
BA	NJS HOLDINGS, LLC	09-WL3-51.0
BB	SHANE R. & LORI A. GLASS	09-WL3-53.0
BC	SHANE R. & LORI A. GLASS	09-WL3-54.0
BD	WEST LIBERTY FEDERATED CHURCH (TRUSTEES)	09-WL3-62.1
BE	CATHOLIC DIOCESE OF WHEELING-CHARLESTON	09-WL2-1.0
BF	SUSAN HERRICK	09-WL6-1.0

**ADJOINING OWNERS TABLE**

TRACT	SURFACE OWNER	TAX PARCEL
BG	AARON C. & COURTNEY N. HUFFMAN	09-WL6-3.0
BH	CB DAVIS PROPERTIES, LLC	09-WL6-4.0
BI	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	09-WL6-5.0
BJ	JOHN R. & JUDITH D. HENNEN	09-WL6-6.0
BK	BLESICO, INC.	09-WL6-7.0
BL	JAMES LYNN ULLOM	09-WL6-8.0
BM	CHRISTOPHER & CYNTHIA PAUL	09-WL6-9.0
BN	NELSON E. & S.C. MCCLURE	09-WL6-10.0
BO	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.5
BP	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.4
BQ	FOWLCON LIMITED LIABILITY COMPANY	09-WL10-13.0
BR	TIMOTHY MONROE & ET AL	09-WL10-11.0
BS	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.0
BT	JASON O. HUNTER	03-L4-104.2
BU	JASON O. HUNTER	03-L4-104.1
BV	DENNY A. WARNER	03-L4-104.5
BW	DENNY A. WARNER	03-L4-104.3
BX	DIXIE M. & L. LAUDERMILT	03-L4-106.1
BY	B.G. RIDLER & J.M. TALLMON	03-L4-106.0
BZ	B.G. RIDLER & J.M. TALLMON	03-L4-105.12
CA	DONALD E. GILBERT, JR.	03-L4-112.0
CB	STEVEN M. MCGLUMPHY	03-L4-110.3
CC	MARK P. & ANNELIESE KAUFMAN	03-L5-2.0
CD	TODD E. PORTER	03-L4-125.0
CE	WILLIAM S. PATTERSON, JR.	03-L4-115.0
CF	MARK E. NORMAN	03-L4-110.2
CG	PAUL & RHONDA TYRNA	03-L4-114.0
CH	APPALACHIA MIDSTREAM SERVICES, LLC	03-L4-110.1
CI	TIMOTHY A. BYHANNA	03-L1-2.3
CJ	ALLEN D. DAVIS	03-L1-2.1
CK	CHARLES W. BONAR	03-L1-21.2
CL	THOMAS F. & M.M. ROTHERMUND	03-L1-4.1
CM	CHARLES BONAR	03-L1-21.0
CN	WEST RENTALS, INC	03-L1-4.3
CO	WEST LIBERTY UNIVERSITY	03-L1-22.1
CP	WALTER R. & J.M. UTTERMOHLEN	03-L1-23.0



**REVISIONS:**

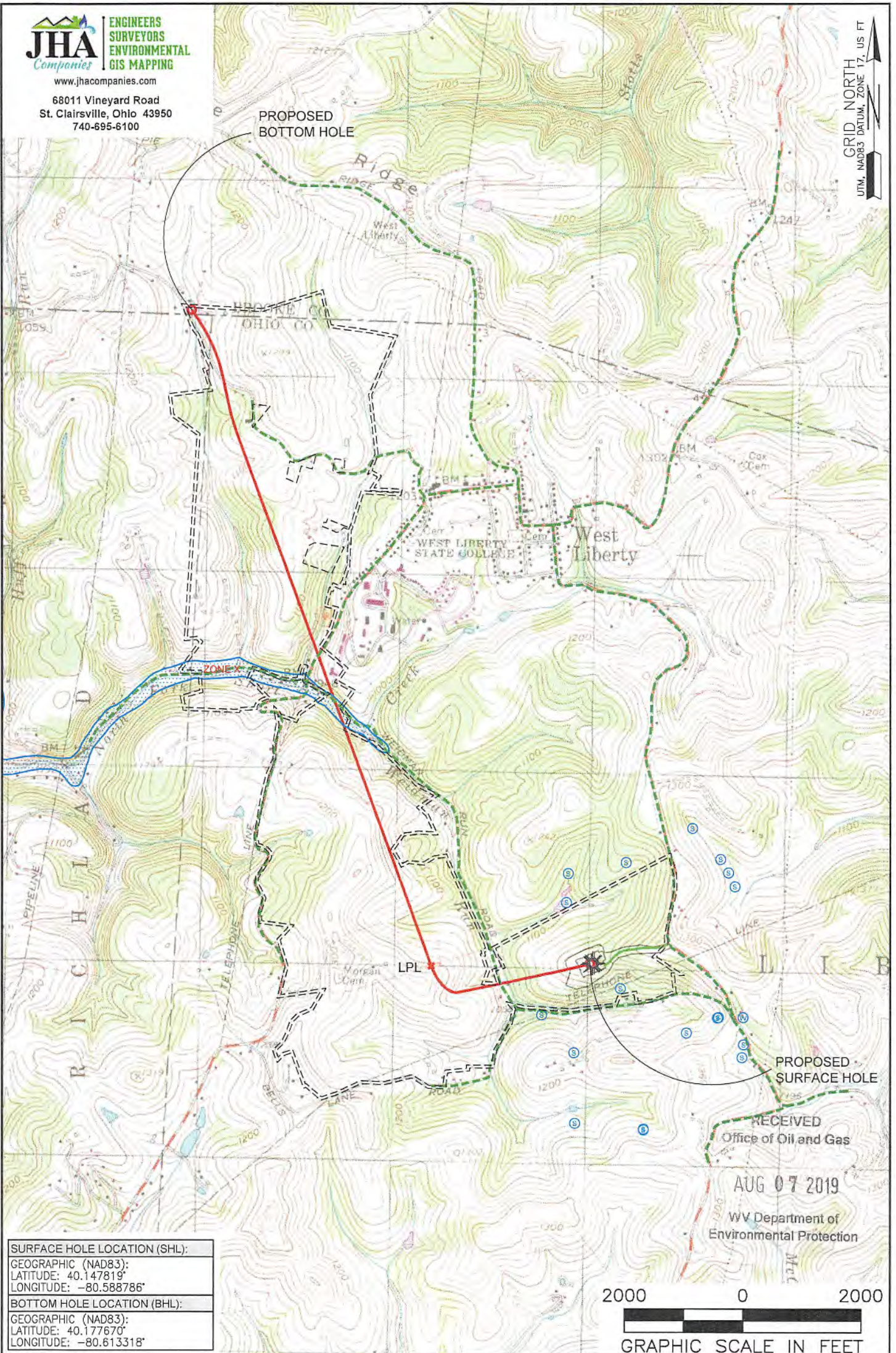

COMPANY:					
OPERATOR'S		SHAWN COUCH OHI			
WELL #:		401H			
DISTRICT:	LIBERTY	COUNTY:	OHIO	STATE:	WV
DATE:		07-25-2019			
API NO:		47-069-XXXX			
DRAWN BY:		D. REED			
SCALE:		N/A			
DRAWING NO:		2019-0523			
WELL LOCATION PLAT					



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68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.147819° LONGITUDE: -80.588786°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.177670° LONGITUDE: -80.613318°

- NOTES ON SURVEY**
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
  2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

PROPOSED SURFACE HOLE / BOTTOM HOLE	NATURAL WATERWAY
EXISTING / PRODUCING WELLHEAD	ACCESS ROAD
LPL* LANDING POINT LOCATION	PUBLIC ROAD
FLOOD PLAIN	ACCESS ROAD TO PREV. SITE
	LEASE BOUNDARY
	PROPOSED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> SHAWN COUCH OHI		<b>WELL #</b> 401H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	<b>COUNTY:</b> OHIO	<b>CODE:</b> 069	<b>DISTRICT:</b> LIBERTY	<b>API #</b> 47-069-XXXX
<b>SURFACE OWNER:</b> SHAWN W. COUCH (TRUST)	<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> BETHANY, WV			