

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



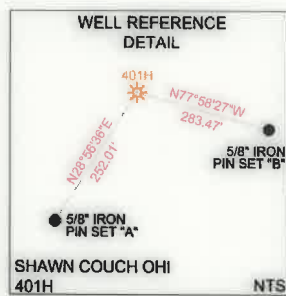
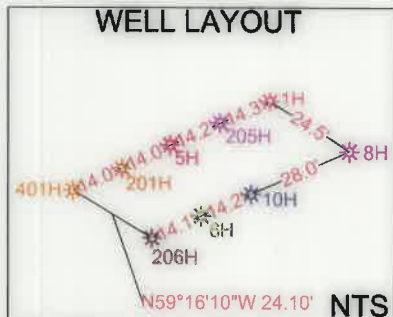
www.jhacompanies.com

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

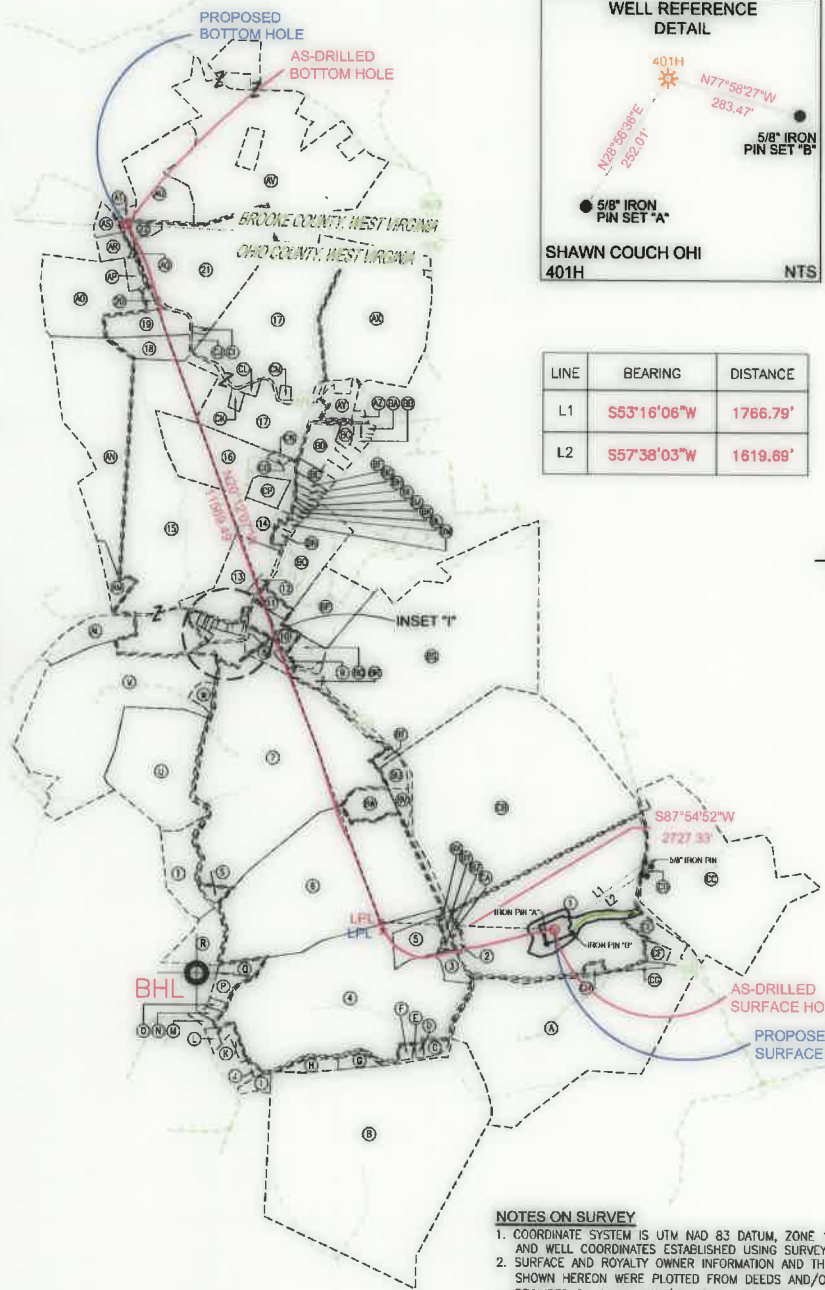
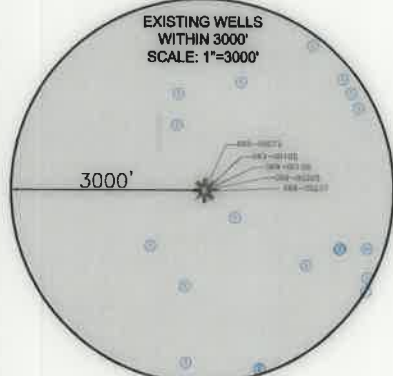
LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)

8436'

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



LINE	BEARING	DISTANCE
L1	S53°16'06\"/>	



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444244.94 EASTING: 535025.38
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444261.27 EASTING: 534194.56
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4447548.65 EASTING: 532922.02
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444244.94 EASTING: 535025.38
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444217.27 EASTING: 534209.10
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4447548.80 EASTING: 532921.36

- 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.



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 *[Signature]* 6/3/20

COMPANY: **SWN** Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25034

SHAWN COUCH OHI
 OPERATOR'S WELL #: 401H
 API WELL #: 47 069 00308
 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
 WATER-SHED: UPPER OHIO SOUTH ELEVATION: 1,246.8'
 DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: BETHANY, WV
 SURFACE OWNER: SHAWN W. COUCH (TRUST) ACREAGE: ±144.29
 OIL & GAS ROYALTY OWNER: LL&B HEADWATER II, LP & RESOURCE MINERALS HEADWATER I, LP ACREAGE: ±144.29
 DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,148' TVD 18,822' TMD

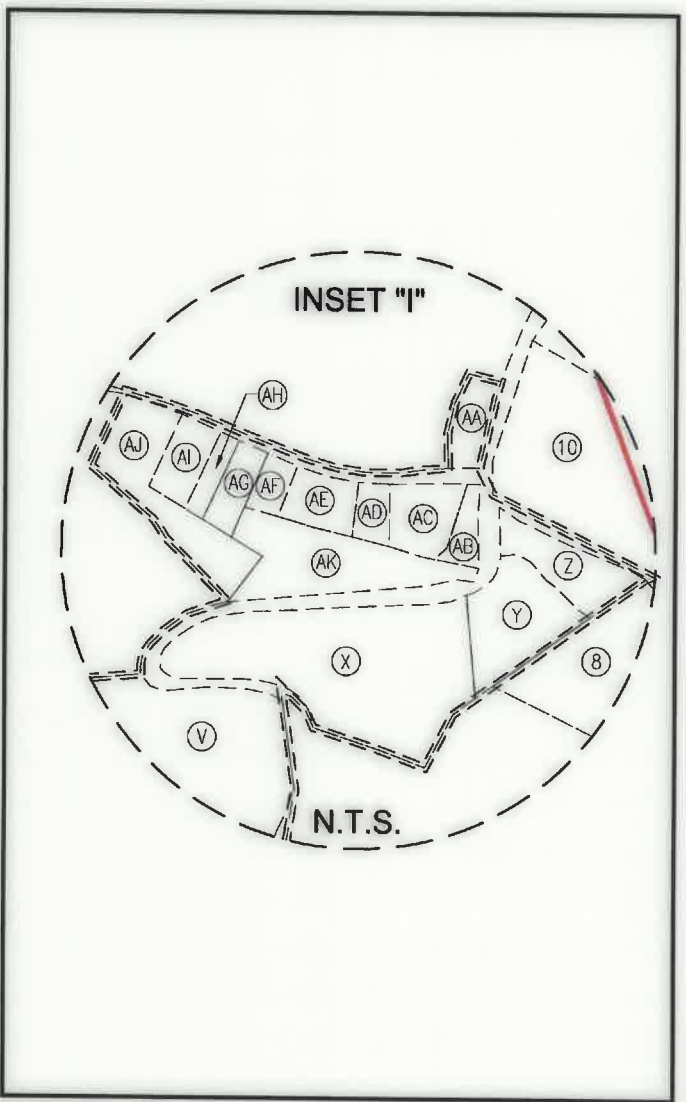
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: ○ EXISTING BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL EXISTING LANDING POINT LOCATION ○ PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION — ACCESS ROAD — PUBLIC ROAD — FLOOD PLAN — LEASE BOUNDARY — AS-DRILLED PATH — PROPOSED PATH	REVISIONS:	DATE: 06-03-2020 API NO: 47-069-00308 DRAWN BY: R. GRIMES SCALE: 1" = 3000' DRAWING NO: 2019-0523 WELL LOCATION PLAT
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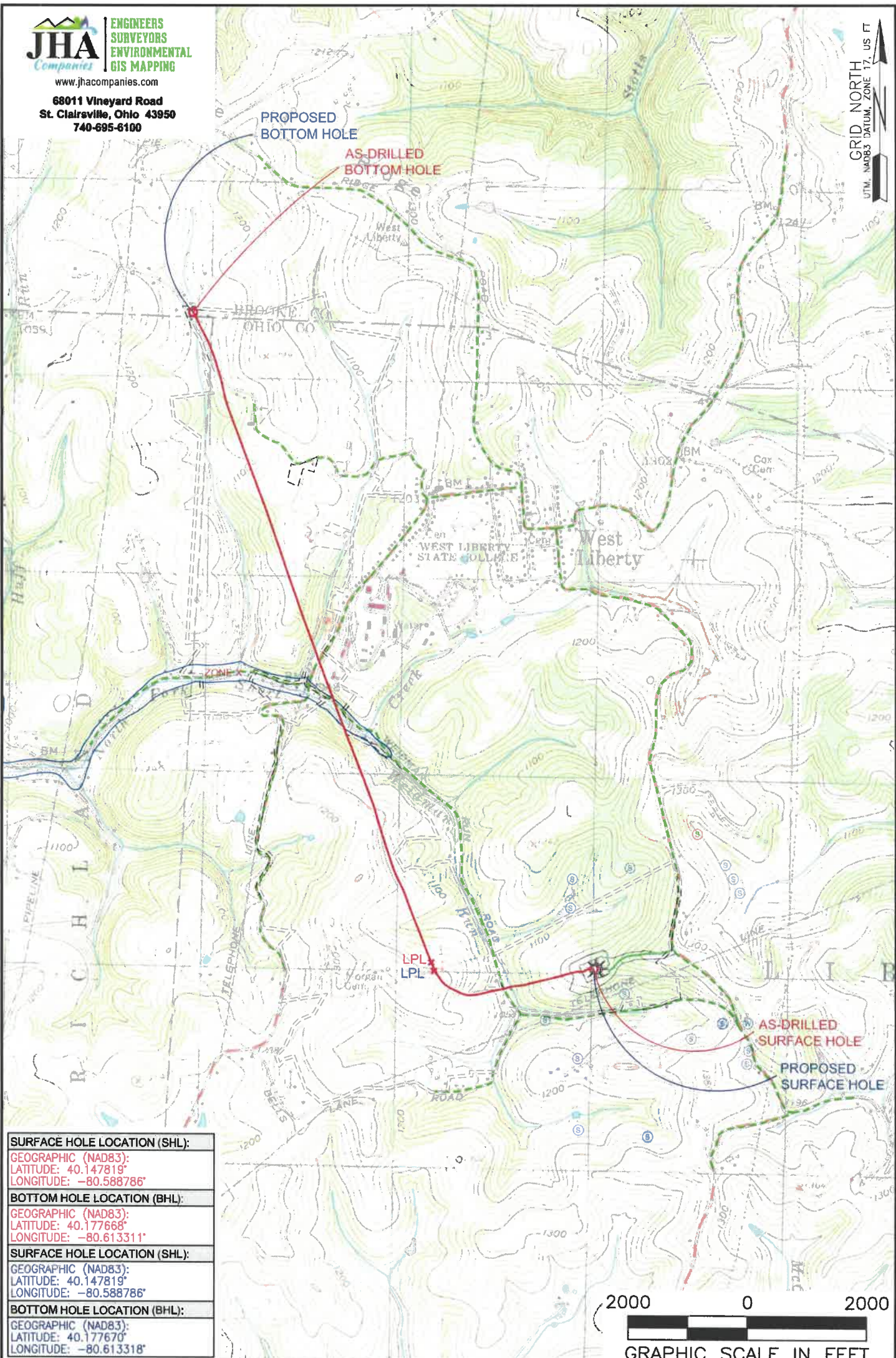
WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SHAWN W. COUCH (TRUST) (S) L&B HEADWATER II, LP & RESOURCE MINERALS HEADWATER I, LP (R)	03-L4-110.0
TRACT	SURFACE OWNER	TAX PARCEL
2	B.G. RIDLER & J.M. TALLMON	03-L4-113.0
3	WINDSOR POWER HOUSE COAL COMPANY	03-L4-105.7
4	HOLLAND PARK LIMITED LIABILITY	03-L4-105.0
5	DIXIE MYERS PRITT	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-B.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

ADJOINING OWNERS TABLE		
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. WINIESDORFFER	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-R6-18.1
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

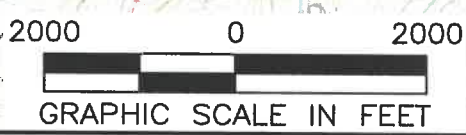
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BG	AARON C. & COURTNEY N. HUFFMAN	09-WL6-3.0
BH	CB DAVIS PROPERTIES, LLC	09-WL6-4.0
BI	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	09-WL6-5.0
BJ	JOHN R. & JUDITH D. HENNEN	09-WL6-6.0
BK	BLESICO, INC.	09-WL6-7.0
BL	JAMES LYNN ULLOM	09-WL6-8.0
BM	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. & ANNELESE 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 O. 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. UTTERMÖHLEN	03-L1-23.0



REVISIONS:		COMPANY: SWN Production Company, LLC		DATE: 06-03-2020	
		OPERATOR'S: SHAWN COUCH OHI		API NO: 47-069-00308	
		WELL #: 401H		DRAWN BY: R. GRIMES	
DISTRICT: LIBERTY		COUNTY: OHIO	STATE: WV	SCALE: N/A	
				DRAWING NO: 2019-0523	
				WELL LOCATION PLAT	



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.147819°
LONGITUDE: -80.588786°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.177668°
LONGITUDE: -80.613311°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.147819°
LONGITUDE: -80.588786°
BOTTOM HOLE LOCATION (BHL):
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:

- EXISTING BOTTOM HOLE
- ⊛ EXISTING / PRODUCING WELLHEAD
- LPL* EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- LPL* PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAIN
- LEASE BOUNDARY
- AS-DRILLED PATH
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: SHAWN COUCH OHI	WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: OHIO	CODE: 069	DISTRICT: LIBERTY
SURFACE OWNER: SHAWN W. COUCH (TRUST)	USGS 7 1/2 QUADRANGLE MAP NAME: BETHANY, WV		
API # 47-069-00308			