

LATITUDE: 40°10'00" SURFACE HOLE | 1547'

LATITUDE: 40°12'30" BOTTOM HOLE | 3281'



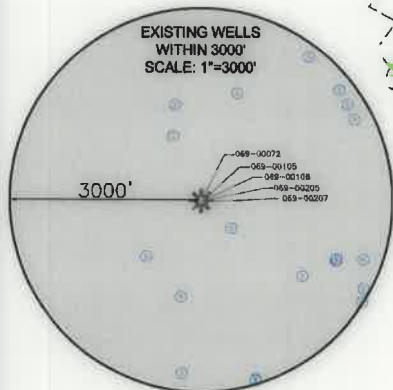
www.jhacompanies.com

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

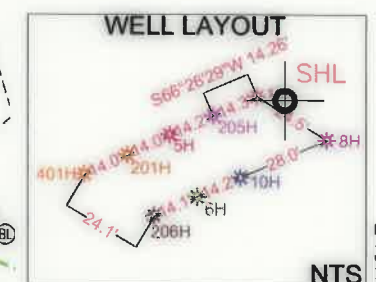
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

NOTES ON SURVEY

1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. 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.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



LINE	BEARING	DISTANCE
L1	S52°58'03"W	1725.62'
L2	S57°25'12"W	1577.94'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444250.43 EASTING: 535037.00
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444503.37 EASTING: 535368.93
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4446712.01 EASTING: 534496.73
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444250.43 EASTING: 535037.00
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444400.10 EASTING: 535410.31
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4446712.06 EASTING: 534496.93

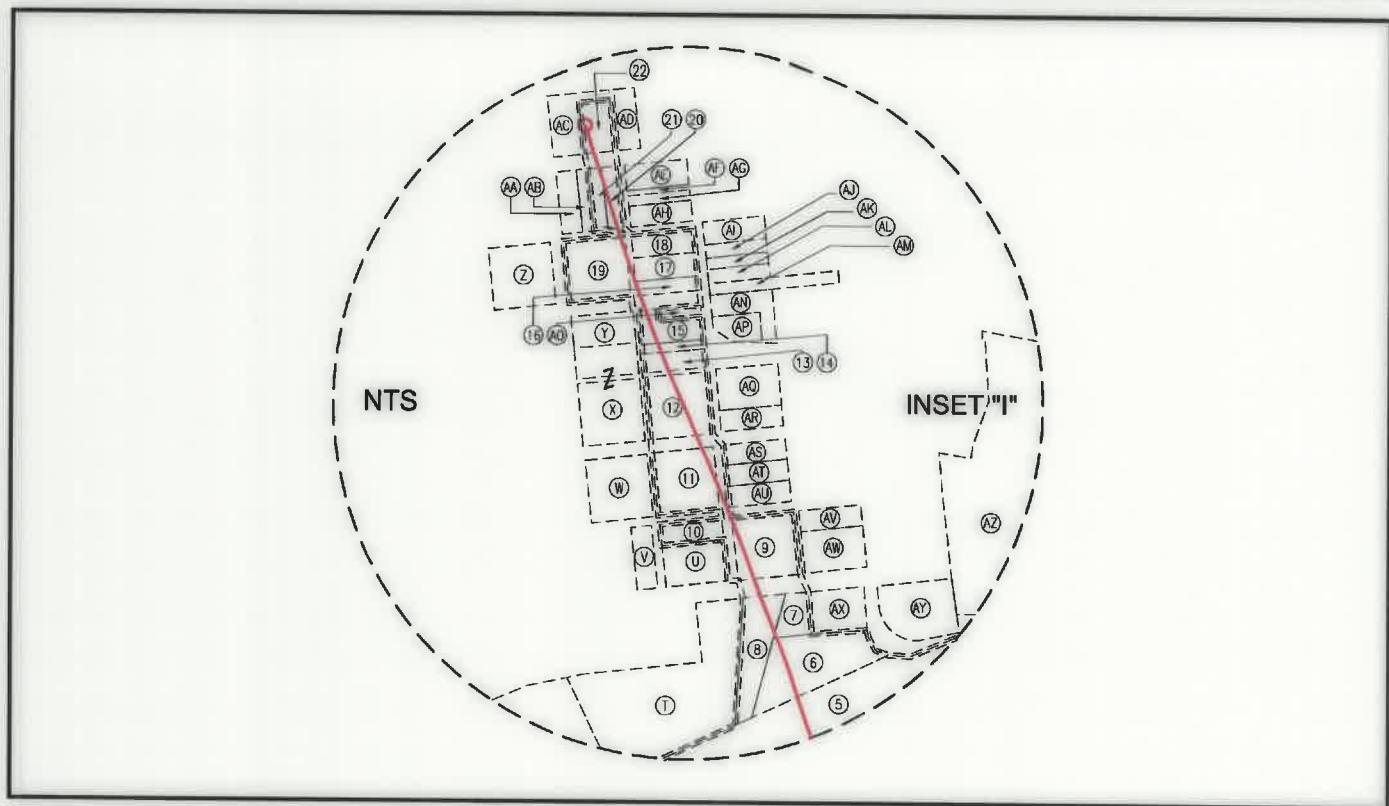
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041



COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>SHAWN COUCH OHI</p> <p>OPERATOR'S WELL #: 205H</p> <p>API WELL #: 47 069 00321</p> <p>STATE COUNTY PERMIT</p>	
	<p>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"/></p> <p>WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,246.8'</p> <p>DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: BETHANY, WV</p> <p>SURFACE OWNER: SHAWN W. COUCH (TRUST) ACREAGE: ±144.29</p> <p>OIL & GAS ROYALTY OWNER: LL&B HEADWATER II, LP & RESOURCE MINERALS HEADWATER I, LP ACREAGE: ±144.29</p> <p>DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/></p> <p>CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) <u>AS-DRILLED</u></p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,222' TVD 15,022' TMD</p>	<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201</p> <p>CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>	
<p>DESIGNATED AGENT: BRITTANY WOODY</p> <p>ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201</p> <p>CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>		<p>LEGEND:</p> <ul style="list-style-type: none"> 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 ASDRILLED PATH PROPOSED PATH 	<p>REVISIONS:</p> <p>DATE: 06-03-2020</p> <p>API NO: 47-069-00321</p> <p>DRAWN BY: R. GRIMES</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 2019-0523</p> <p>WELL LOCATION PLAT</p>

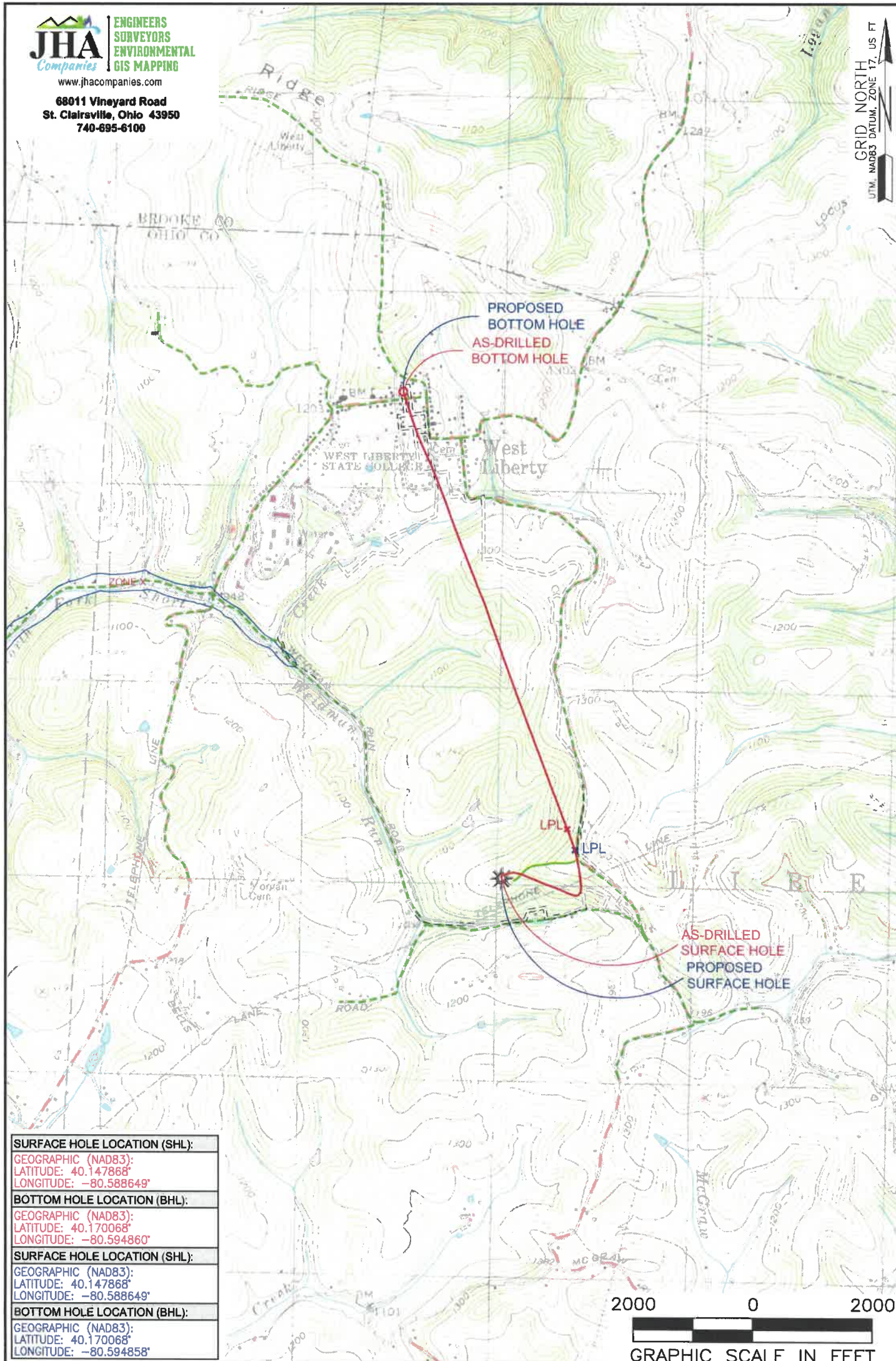


WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SHAWN W. COUCH (TRUST) (S) LL&B HEADWATER II, LP & RESOURCE MINERALS HEADWATER I, LP (R)	03-L4-110.0
TRACT	SURFACE OWNER	TAX PARCEL
2	WILLIAM S. PATTERSON, JR.	03-L4-115.0
3	STEVEN M. MCGLUMPHY	03-L4-110.3
4	MARK A. DUVALL	03-L1-39.1
5	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.0
6	KENNETH L. & RUTH M. FOWLER	09-WL7-31.0
7	PATRICIA L. BURKHART	09-WL7-32.0
8	DAVID T. READ	09-WL7-30.0
9	MORGAN L. CANTWELL	09-WL7-19.0
10	DANIEL R. LOUGH, JR. & JANET L. LOUGH	09-WL7-21.0
11	ROBERT K. & TAMMY R. FOWLER	09-WL7-3.0
12	PRESBYTERIAN CHURCH	09-WL3-119.0
13	T.J. ROBINSON & D.L. SOMMERVILLE	09-WL3-104.0
14	T.J. ROBINSON & D.L. SOMMERVILLE	09-WL3-104.1
15	JEANNE V. SCHRAMM	09-WL3-105.0
16	ANNE H. WESTLAKE (F/K/A ANNE H. YOUNG)	09-WL3-90.0
17	MICHAEL J. WINESBURG	09-WL3-89.0
18	HELEN MILLER LOEW	09-WL3-88.0
19	SCOTTIE W. GRAHAM, JR. & CONNIE MARIE GRAHAM	09-WL3-87.0
20	ALAN HOWARD	09-WL3-35.0
21	ALAN HOWARD	09-WL3-35.1
22	RORY S. & KRISTINA BARNES	09-WL3-14.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
Z	KENNETH R. & J.D. BARNES	09-WL3-86.0
AA	ALAN HOWARD	09-WL3-37.0
AB	DUANE & CHRISTY CAMPBELL	09-WL3-36.0
AC	JESSE E. & MASKEY V. GANDEE	09-WL3-13.0
AD	B. SEIDLER, P. TAYLOR, M. MAUCH & F. STANLEY (RESV. L/E)	09-WL3-15.0
AE	TOWN OF WEST LIBERTY	09-WL3-32.1
AF	RORY S. & KRISTINA K. BARNES	09-WL3-32.0
AG	RORY S. & KRISTINA K. BARNES	09-WL3-33.0
AH	RORY S. & KRISTINA K. BARNES	09-WL3-34.0
AI	DUANE & CHRISTY CAMPBELL	09-WL3-91.0
AJ	BARBARA E. GRIFFITH	09-WL3-92.0
AK	ROBERT & MELINDA S. KREISBERG	09-WL3-93.0
AL	TOWN OF WEST LIBERTY	09-WL3-93.1
AM	TOWN OF WEST LIBERTY	09-WL3-115.0
AN	NELSON & BONNIE GILBERT	09-WL3-102.0
AO	B.C.J. OFFICE, LLC	09-WL3-106.0
AP	JULIE A. HLEBICKZKI	09-WL3-103.0
AQ	MICHAEL G. WEHLER & REBECCA DAVIS	09-WL3-120.0
AR	KENNETH R. & TAMMY R. FOWLER	09-WL3-121.0
AS	ROGER L. & ALBERT J. WEST	09-WL7-5.0
AT	ROGER WEST	09-WL7-6.0
AU	DAVIS L. & L. GEAR	09-WL7-7.0
AV	CHARLES E., JR. & RUTH READ	09-WL7-18.0
AW	BARNET EDWARD & LAURIE L. BECK	09-WL7-17.0
AX	KENNETH & RUTH FOWLER	09-WL7-33.0
AY	SCOTTIE W. & CONNIE M. GRAHAM	09-WL7-16.1
AZ	KIMBERLY ANN CUSTER	03-L1-36.0
BA	MARK W. & DAWN L. WILSON	03-L1-39.11
BB	DAVID LEE BECK	03-L1-39.7
BC	DAVID L. BECK	03-L1-39.12
BD	JAMES H. & ROBIN L. BEAVER	03-L1-39.14
BE	NELSON R. DEBARR & ET AL	03-L1-40.0
BF	BERNARD R. PETTIT	03-L1-40.1
BG	MARK A. DUVALL	03-L1-39.9
BH	K.H.F. STORAGE, LLC	03-L1-39.16
BI	STEPHEN W. & MARY E. BLISS	03-L4-122.2
BJ	NELSON RAY DEBARR	03-L4-122.0
BK	ROBERT E. & E.C. DUVALL	03-L4-111.2
BL	JANICE QUEEN	03-L4-111.3
BM	MARK P. & ANNELEISE KAUFMAN	03-L5-2.0
BN	ROBERT E. & E.C. DUVALL	03-L4-111.1
BO	TODD E. PORTER	03-L4-125.0
BP	ANTHONY WAYNE PATTERSON	03-L4-116.0
BQ	RONALD H., JR. & BRENDA J. BACHMAN	03-L4-116.3
BR	WILBERT A. & GWEN ANN UPTON	03-L4-116.2
BS	MARK E. NORMAN	03-L4-110.2
BT	PAUL & RHONDA TYRNA	03-L4-114.0
BU	APPALACHIA MIDSTREAM SERVICES, LLC	03-L4-110.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	APPALACHIAN MIDSTREAM SERVICES, LLC	03-L4-117.0
B	WINDSOR POWER HOUSE COAL COMPANY	03-L4-105.7
C	B.G. RIDLER & J.M. TALLMON	03-L4-113.0
D	DONALD E. GILBERT, JR	03-L4-112.0
E	B.G. RIDLER & J.M. TALLMON	03-L4-106.0
F	DIXIE M. & L. LAUDERMILT	03-L4-106.1
G	HOLLAND PARK LIMITED LIABILITY	03-L4-105.0
H	ELIZABETH HONECKER (L/E: JANET HONECKER)	03-L4-104.0
I	DENNY A. WARNER	03-L4-104.5
J	JASON O. HUNTER	03-L4-104.1
K	JASON O. HUNTER	03-L4-104.2
L	JANET L. HONECKER & ELIZABETH HONECKER	03-L4-103.0
M	TIMOTHY L. MONROE & ET AL	09-WL10-11.0
N	JOHN C. & MARY P. PERRY	09-WL10-14.0
O	FOWLCON LIMITED LIABILITY COMPANY	09-WL10-13.0
P	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.4
Q	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.1
R	WEST LIBERTY STATE COLLEGE BOARD OF GOVERNORS	03-L1-35.9
S	BOARD OF EDUCATION	09-WL7-30.1
T	WHEELING ELECTRIC COMPANY	09-WL7-30.3
U	WESLEY E. & PATRICIA LOEW	09-WL7-20.0
V	WILLIAM G. & D.A. WAGNER	09-WL7-22.0
W	RICHARD EUGENE MCCAUSLAND	09-WL7-2.0
X	JEANNE V. SCHRAMM	09-WL3-108.0
Y	SCOTTIE W. & CONNIE M. GRAHAM	09-WL3-107.0

REVISIONS:	COMPANY:		SWN Production Company, LLC		DATE: 06-03-2020 API NO: 47-069-00321 DRAWN BY: R. GRIMES SCALE: N/A DRAWING NO: 2019-0523 WELL LOCATION PLAT
	OPERATOR'S		SHAWN COUCH OHI		
	WELL #:		205H		
	DISTRICT:		COUNTY:	STATE:	
	LIBERTY		OHIO	WV	



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.147868°
LONGITUDE: -80.588649°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.170068°
LONGITUDE: -80.594860°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.147868°
LONGITUDE: -80.588649°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.170068°
LONGITUDE: -80.594858°

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 # 205H	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 # 47-069-00321			