

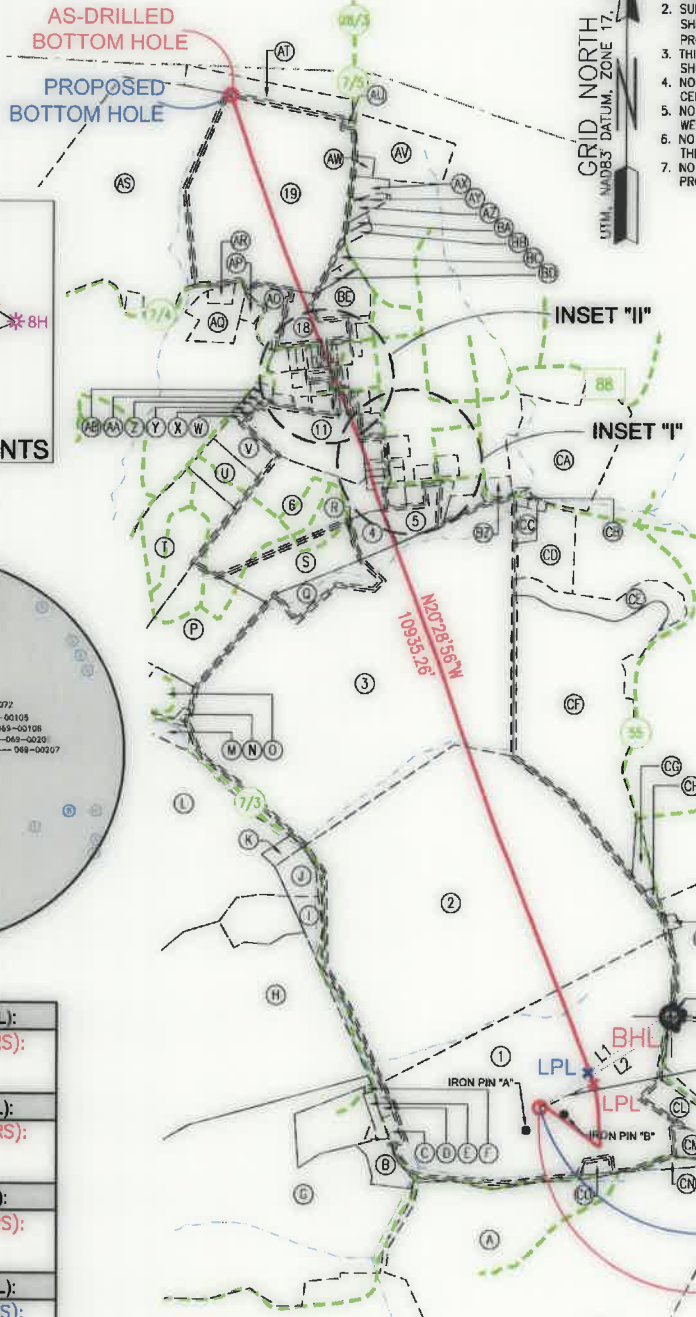
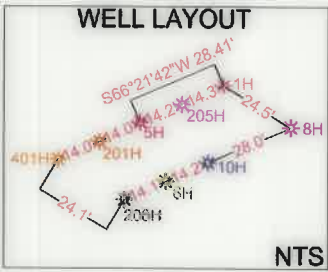
LATITUDE: 40°10'00" SURFACE HOLE |←1560'

LATITUDE: 40°12'30" BOTTOM HOLE |←4947'



www.jhacompanies.com

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



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.

Table with 3 columns: LINE, BEARING, DISTANCE. L1: S53°04'30\"/>

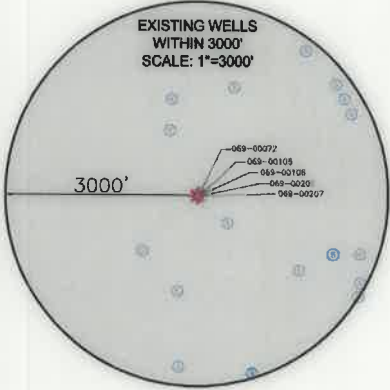
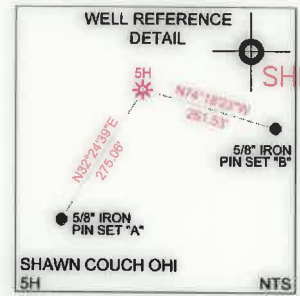


Table with 6 rows: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), BOTTOM HOLE LOCATION (BHL), SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM (NAD83, ZONE 17, METERS) coordinates.



COMPANY: SWN Production Company, LLC

Table with 2 columns: OPERATOR'S WELL # (SHAWN COUCH OHI 5H), API WELL # (47 069 00325). Includes STATE, COUNTY, PERMIT.

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [X] DEEP [] GAS [X] LIQUID INJECTION [] STORAGE [] SHALLOW [X]
WATERSHED: UPPER OHIO SOUTH
DISTRICT: LIBERTY COUNTY: OHIO
SURFACE OWNER: SHAWN W. COUCH (TRUST)
OIL & GAS ROYALTY OWNER: LL&B HEADWATER II, LP & RESOURCE MINERALS HEADWATER I, LP
DRILL [] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION []
CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [X] (SPECIFY) AS-DRILLED
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,221' TVD 17,613' TMD

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

Table with 2 columns: REVISIONS, DATE. Includes API NO: 47-069-00325, DRAWN BY: R. GRIMES, SCALE: 1\"/>

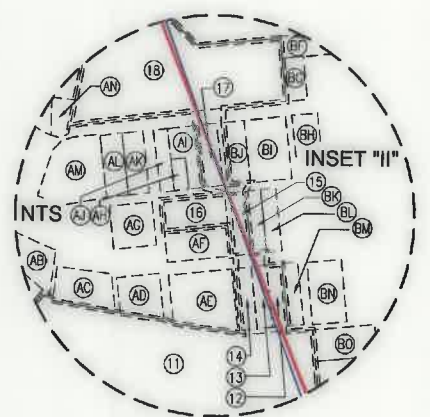
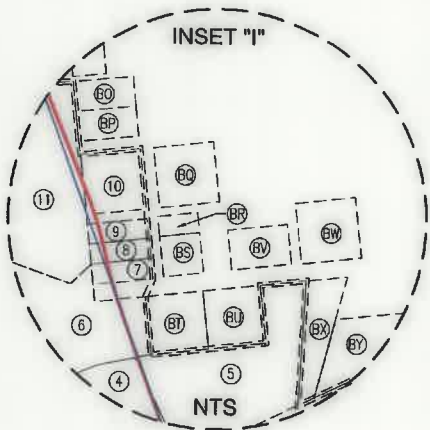
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041



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

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

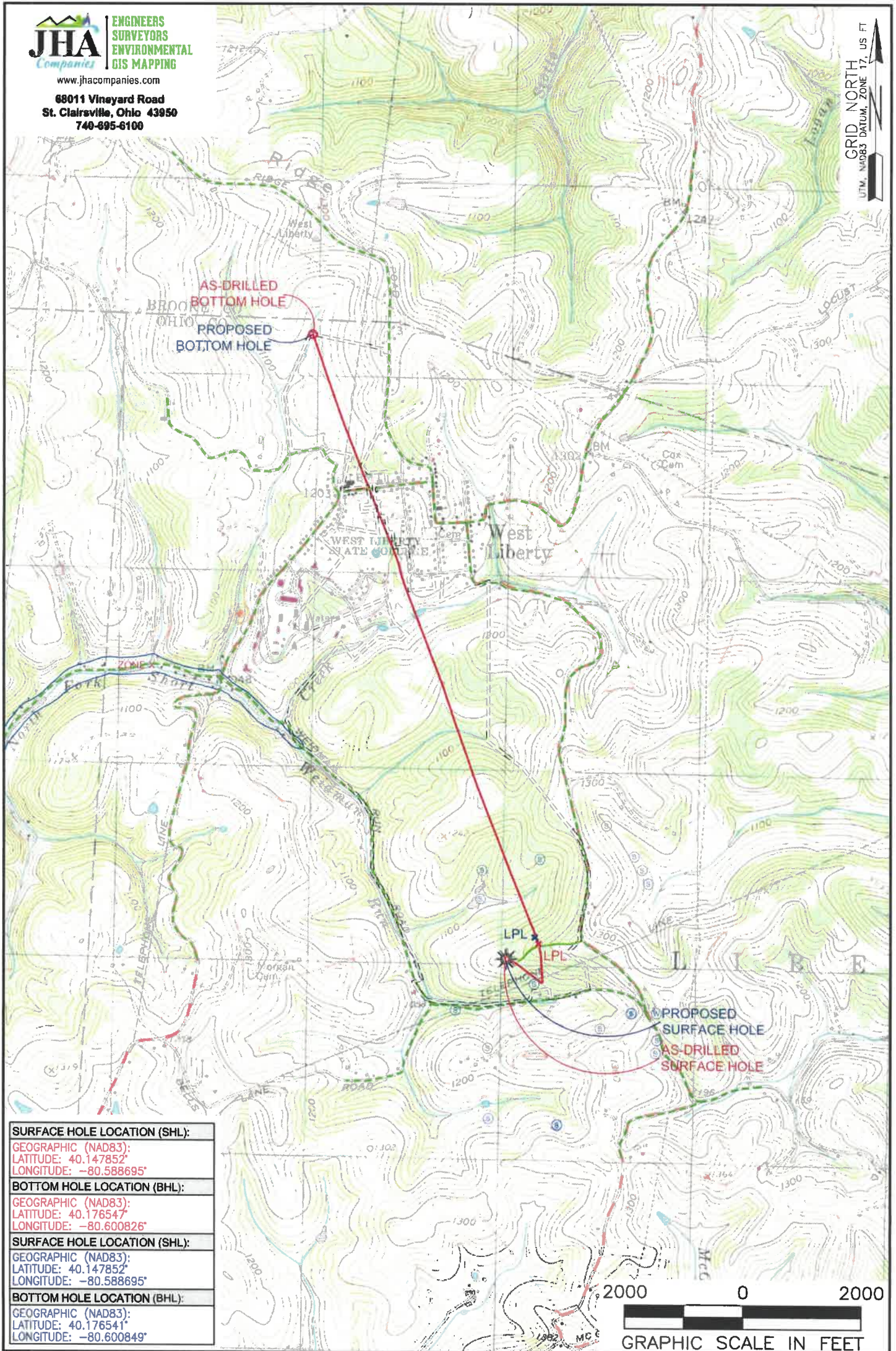


ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
R	BOARD OF EDUCATION	09-WL7-30.2
S	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.9
T	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.5
U	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.6
V	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.7
W	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	09-WL3-65.0
X	LEON W. & O.S. TURNER	09-WL3-66.0
Y	LEON W. & O.S. TURNER	09-WL3-66.0
Z	GREGORY R. DEENIS & META M. LASCH	09-WL3-67.0
AA	STATE BOARD OF EDUCATION	09-WL3-68.0
AB	CRAIG CONWAY	09-WL3-69.1
AC	MATTHEW P. & TAMARA A. BONAR	09-WL3-74.0
AD	BALL HOLDINGS, LLC	09-WL3-74.1
AE	RENEE L. POSTLEWAIT	09-WL3-114.0
AF	JOSEPH M. BEAVER	09-WL3-80.0
AG	JOHN & KIMBERLY TANKOVITS	09-WL3-73.2
AH	ALVIN O., JR. & DELORES A. HUNTER	09-WL3-45.1
AI	MARY ANN MAXWELL (L/E: PEGGY MAXWELL)	09-WL3-45.0
AJ	DENNIS J. & JOYCE L. ARNOLD	09-WL3-47.0
AK	DENNIS J. & JOYCE L. ARNOLD	09-WL3-48.0
AL	GEORGE L. & E.F. SMITH	09-WL3-49.0
AM	CHRISTIAN CHURCH AT WEST LIBERTY, TRUSTEES	09-WL3-50.0
AN	MASONIC LODGE 26 A.F.A.A.M.	09-WL3-6.0
AO	ENNIS PROPERTIES, LLC	03-L1-4.4
AP	FRANK BLASKOVICH, JR. & JENNIFER D. BLASKOVICH	09-WL3-1.0
AQ	CHARLES BONAR	03-L1-21.1
AR	MATTHEW P. BONAR	03-L1-21.3
AS	CHARLES BONAR	03-L1-4.0
AT	DEREK J. & NICOLE ENNIS	03-L1-43.0
AU	CHILDRENS FARM TRUST	09-WL1-14.0
AV	DANIEL J. & COURTNEY D. VARGO	09-WL1-3.0
AW	JANICE J. SEYLER	09-WL1-4.0
AX	JANICE J. SEYLER	09-WL1-9.3
AY	DEBORAH J. & THOMAS W. BUKOVAC	09-WL1-9.1
AZ	DEBORAH J. & THOMAS W. BUKOVAC	09-WL1-9.0
BA	BERNARD R. PETTIT	09-WL1-10.0
BB	BERNARD R. PETTIT	09-WL1-11.0
BC	ROBERT S. & JANET L. WISE	09-WL3-127.1
BD	JERALDINE W. DAILEY	09-WL3-130.0
BE	R.L. CLARK, JR. & C.L. HLEBICZKI	09-WL3-131.0
BF	HARTLE PROPERTIES, LLC	09-WL3-8.0
BG	MATTHEW & TAMARA BONAR	09-WL3-10.0
BH	WILLIAM D. & G.A. BONAR	09-WL3-40.0
BI	HURLEY/BRYAN PROPERTIES, INC	09-WL3-41.0
BJ	MARY ANN MAXWELL (L/E: PEGGY L. MAXWELL)	09-WL3-44.1
BK	HURLEY-BRYAN PROPERTIES, INC	09-WL3-83.0
BL	HURLEY-BRYAN PROPERTIES, INC	09-WL3-84.0
BM	JAMES L. & D.L. COMER	09-WL3-110.0
BN	CHARMINE M. PAVLIC	09-WL3-109.1
BO	JEANNE V. SCHRAMM	09-WL3-117.1
BP	JEANNE V. SCHRAMM	09-WL3-117.0
BQ	RICHARD EUGENE MCCAUSLAND	09-WL7-2.0
BR	WILLIAM G. WAGNER & DEBORAH A. WAGNER	09-WL7-23.1
BS	TIMOTHY S. & KATHLEEN M. BRADLEY	09-WL7-23.0
BT	THOMAS F. & K.L. MILLER	09-WL7-28.0
BU	VIRGINIA PRITCHARD	09-WL7-29.0
BV	WESLEY E. & PATRICIA LOEW	09-WL7-20.0
BW	MORGAN L. CANTWELL	09-WL7-19.0
BX	DAVID T. READ	09-WL7-30.0
BY	K.L. & R.M. FOWLER	09-WL7-31.0
BZ	SCOTTIE W. & CONNIE M. GRAHAM	09-WL7-16.1
CA	KIMBERLY ANN CUSTER	03-L1-36.0
CB	MARK W. & DAWN L. WILSON	03-L1-39.11
CC	DAVID LEE BECK	03-L1-39.7
CD	DAVID L. BECK	03-L1-39.12
CE	JAMES H. & ROBIN L. BEAVER	03-L1-39.14
CF	MARK A. DUVALL	03-L1-39.1
CG	ROBERT E. & E.C. DUVALL	03-L4-111.2
CH	JANICE QUEEN	03-L4-111.3
CI	MARK P. & ANNELEISE KAUFMAN	03-L5-2.0
CJ	ROBERT E. & E.C. DUVALL	03-L4-111.1
CK	TODD E. PORTIER	03-L4-125.0
CL	WILLIAM S. PATTERSON, JR.	03-L4-115.0
CM	MARK E. NORMAN	03-L4-110.2
CN	PAUL & RHONDA TYRNA	03-L4-114.0
CO	APPALACHIA MIDSTREAM SERVICES, LLC	03-L4-110.1

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	STEVEN M. & LORI J. MCCLUMPHY	03-L4-110.3
3	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.0
4	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	09-WL7-30.1
5	WHEELING ELECTRIC COMPANY	09-WL7-30.3
6	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.8
7	HESTER S. & PHILLIP PELLEN, C/O SAM PELLEN	09-WL7-26.0
8	RICKY L. GOOCH	09-WL7-25.0
9	HESTER S. & PHILLIP PELLEN, C/O SAM PELLEN	09-WL7-24.0
10	JEANNE V. SCHRAMM	09-WL7-1.0
11	PRALL CEMETERY	09-WL3-127.0
12	LORA L. APPLEBY	09-WL3-111.0
13	BRITTANY N. HUNTER	09-WL3-112.0
14	BRITTANY N. HUNTER	09-WL3-113.0
15	HURLEY-BRYAN PROPERTIES, INC	09-WL3-82.0
16	ALVIN O., JR. & DELORES A. HUNTER	09-WL3-79.0
17	RONALD A. WITT, JR.	09-WL3-44.0
18	OHIO COUNTY BOARD OF EDUCATION	09-WL3-7.0
19	DEREK J. & NICOLE L. ENNIS	03-L1-4.2

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	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.4
Q	THE BOARD OF GOVERNORS OF WEST LIBERTY UNIVERSITY	03-L1-35.1

REVISIONS:	COMPANY: SWN Production Company, LLC	OPERATOR'S SHAWN COUCH OHI	DATE: 06-03-2020
	OPERATOR'S SHAWN COUCH OHI	WELL #: 5H	API NO: 47-069-00325
			DISTRICT: LIBERTY
			SCALE: N/A
			DRAWING NO: 2019-0523
			WELL LOCATION PLAT



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.147852°
LONGITUDE: -80.588695°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.176547°
LONGITUDE: -80.600826°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.147852°
LONGITUDE: -80.588695°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.176541°
LONGITUDE: -80.600849°

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
- EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAN
- LEASE BOUNDARY
- ASDRILLED PATH
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: SHAWN COUCH OHI	WELL # 5H	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 # 47-069-00325