

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

LATITUDE: 40°12'30" BOTTOM HOLE |←4953'→

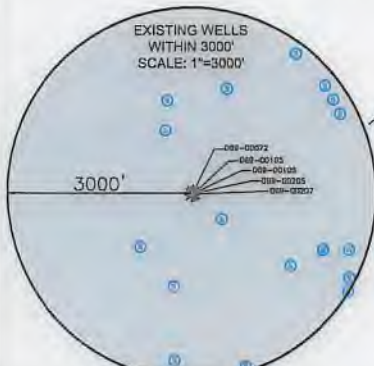
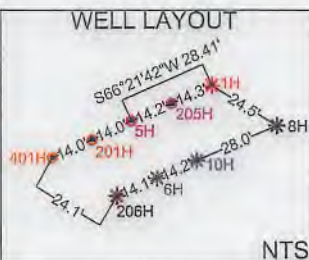


68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

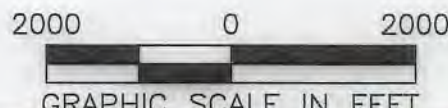
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

- 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 525 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	S53°04'30"W	1739.40'
L2	S57°29'55"W	1591.93'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444248.63 EASTING: 535033.08
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444362.96 EASTING: 535184.13
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4447428.23 EASTING: 533983.58



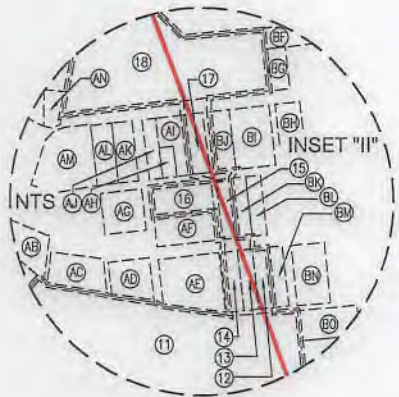
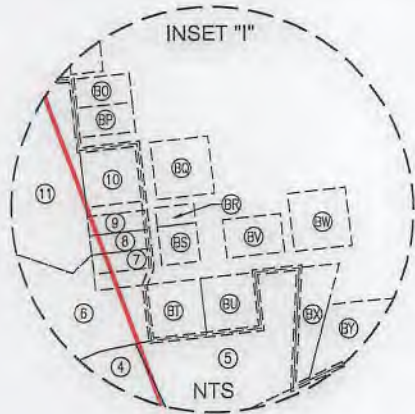
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041

COMPANY: **SWN** Production Company, LLC

<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 SURVEY SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>SHAWN COUCH OHI</p> <p>OPERATOR'S WELL #: 5H</p> <p>API WELL #: 47 069 00325</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 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"/></p> <p>CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,214' TVD 17,406' 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>LEGEND:</p> <ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ⊙ EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION ⊙ EXISTING WATER WELL ⊙ EXISTING SPRING — NATURAL WATERWAY — SURVEYED BOUNDARY — LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD 	<p>REVISIONS:</p> <p>DATE: 12-19-2019</p> <p>API NO: 47-069-XXXX</p> <p>DRAWN BY: R. GRIMES</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 2019-0523</p> <p>WELL LOCATION PLAT</p>
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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) 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. MCGLUMPHY	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. APPELBY	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

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. DUVAL	03-L1-39.1
CG	ROBERT E. & E.C. DUVAL	03-L4-111.2
CH	JANICE QUEEN	03-L4-111.3
CI	MARK P. & ANNELIESE KAUFMAN	03-L5-2.0
CJ	ROBERT E. & E.C. DUVAL	03-L4-111.1
CK	TODD E. PORTER	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

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN *REVISED*
Production Company™

OPERATOR'S SHAWN COUCH OHI

WELL #: 47-069-00325 469 5H

DISTRICT:
LIBERTY

COUNTY:
OHIO

STATE:
WV

DATE: 12-19-2019

API NO: 47-069-XXXXX

DRAWN BY: R. GRIMES

SCALE: N/A

DRAWING NO: 2019-0523

WELL LOCATION PLAT

COMPLETION ID 2501163476
PAD ID 3001155644