

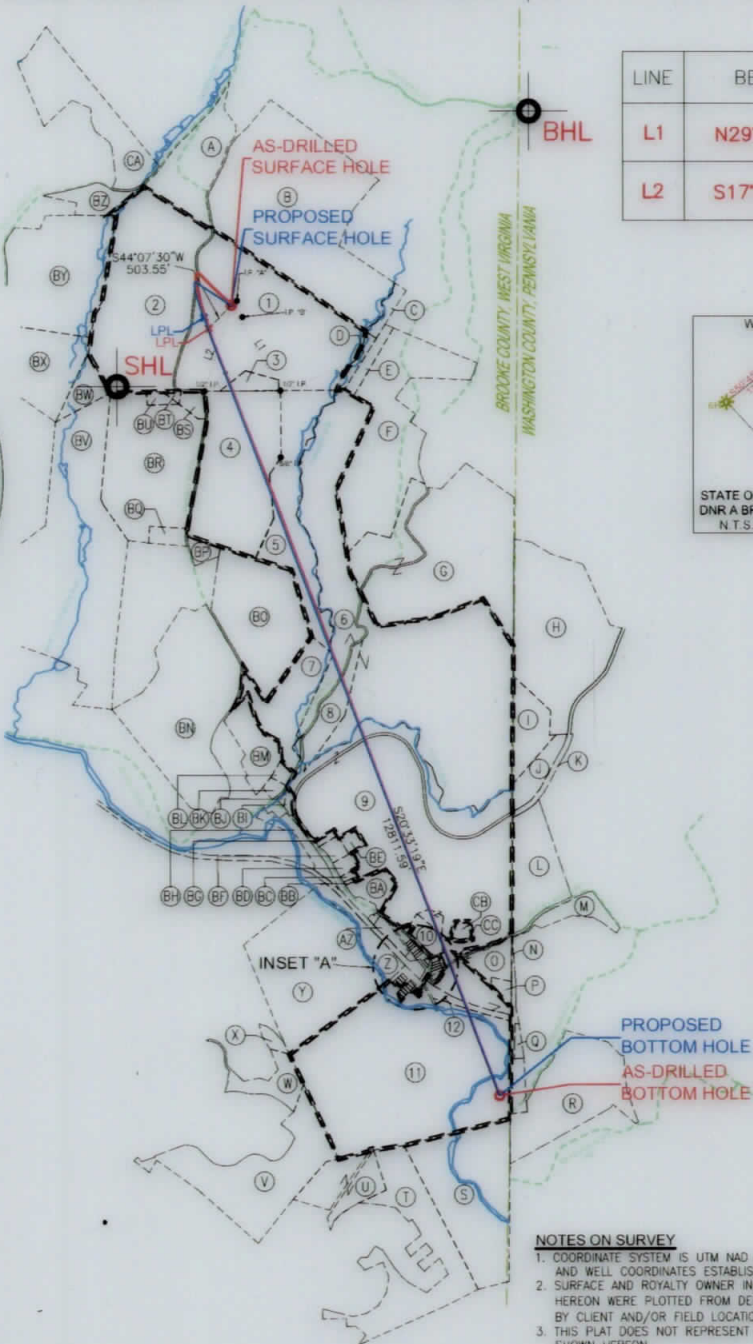
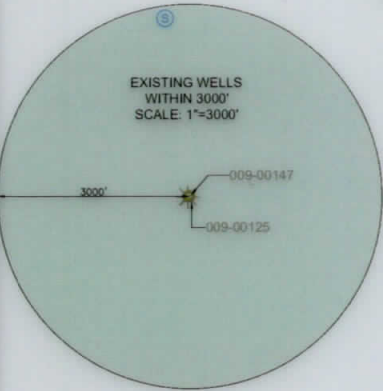
(2000' SCALE) LATITUDE: 40°20'00" SURFACE HOLE  
9767'

(2000' SCALE) LATITUDE: 40°17'30" BOTTOM HOLE

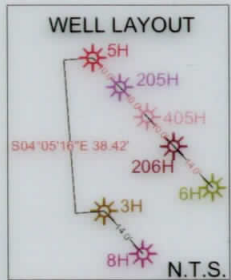
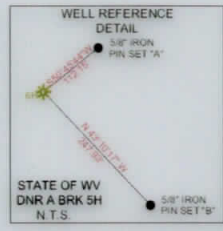
5482'

(2000' SCALE) LONGITUDE: 80°30'00" BOTTOM HOLE  
1588'  
4464'  
(2000' SCALE) LONGITUDE: 80°30'00" SURFACE HOLE

**JHA** Companies  
ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING  
www.jhacompanies.com  
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100



LINE	BEARING	DISTANCE
L1	N29°39'54"W	1537.09'
L2	S17°26'27"W	1407.41'



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4463498.74
EASTING: 539503.62
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4463386.84
EASTING: 539398.67
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4459755.40
EASTING: 540830.31
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4463498.74
EASTING: 539503.62
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4463438.84
EASTING: 539375.95
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4459756.26
EASTING: 540832.38

- 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]* 4/7/21

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

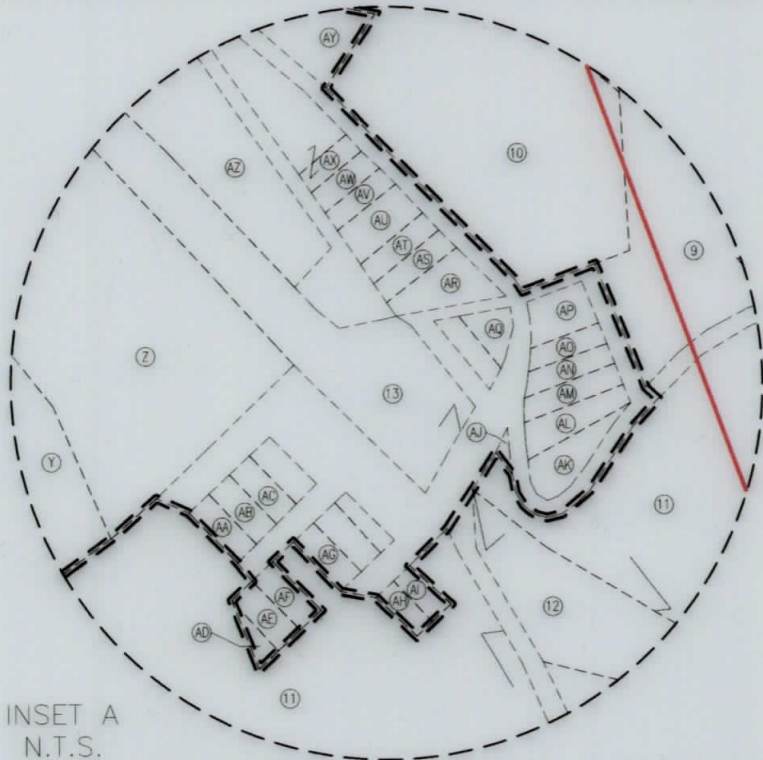
	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	STATE OF WV DNR A
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: BRK 6H  API WELL #: 47 009 297 STATE COUNTY PERMIT

WELL TYPE: OIL	WASTE DISPOSAL	PRODUCTION <input checked="" type="checkbox"/>	DEEP	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION	STORAGE	SHALLOW <input checked="" type="checkbox"/>
WATERSHED: UPPER OHIO NORTH				ELEVATION: 1139.9'			
DISTRICT: CROSS CREEK				COUNTY: BROOKE			
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR				QUADRANGLE: STEUBENVILLE EAST, OH			
OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR				ACREAGE: ±97.50			
				ACREAGE: ±97.50			
DRILL	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE	PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION		
CONVERT	PLUG & ABANDON	CLEAN OUT & REPLUG	OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED				
TARGET FORMATION: MARCELLUS				ESTIMATED DEPTH: 5,853' TVD 19,154' 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

<b>LEGEND:</b>	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
<b>REVISIONS:</b>	DATE: 04-07-2021										
	API NO: 47-009-00297										
	DRAWN BY: R. GRIMES										
	SCALE: 1" = 3000'										
	DRAWING NO: 2019-0789										
	WELL LOCATION PLAT										



INSET A  
N.T.S.

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION (S/R)	04-CC16-0007.0001
TRACT	SURFACE OWNER	TAX PARCEL
2	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC16-0006.0000
3	COLLIERS SPORTSMAN CLUB	04-CC20-0045.0000
4	COLLIERS SPORTSMAN CLUB	04-CC20-0024.0000
5	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC20-0025.0001
6	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC20-0025.0000
7	WILLIAM MORGAN & DORIS J. ROUSE	04-CC20-0020.0000
8	DEBORAH K. SUDAY	04-CC20-0032.0000
9	NICKOLES 3 LLC	04-CC20-0033.0000
10	FRANK & ANNA MAE MCQUILLAN, ANNETTE MILLER (L/E)	04-C24B-0007.0000
11	MICHAEL OBER	04-CC24-0007.0000
12	NORFOLK & WESTERN RAILWAY CO.	04-C19K-0018.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AJ	JAMES & CHARLENE JOHNSON (SURVIVOR)	04-C24B-0010.0000
AK	GREG & CAROL NICKOLES	04-C24B-0011.0000
AL	GREG & CAROL NICKOLES	04-C24B-0012.0000
AM	GREG & CAROL NICKOLES	04-C24B-0013.0000
AN	GREG & CAROL NICKOLES	04-C24B-0014.0000
AO	H3 LLC	04-C24B-0015.0000
AP	NICKOLES 3 LLC	04-CC20-0033.0000
AQ	GREG & CAROL NICKOLES	04-C24B-0016.0000
AR	KATHY E. LAWRENCE	04-C24B-0020.0000
AS	DENNIS F. MCQUILLAN	04-C24B-0021.0000
AT	DENNIS F. MCQUILLAN	04-C24B-0022.0000
AU	ALICE M. STEVENS	04-C24B-0023.0000
AV	FRANKLIN WINSKI	04-C24B-0024.0000
AW	FRANKLIN WINSKI	04-C24B-0025.0000
AX	DEBRA MCQUILLAN ETAL (L/E FRANK L. & ANNA MAE MCQUILLAN)	04-C24B-0027.0000
AZ	GREGORY NICKOLES	04-C24B-0006.0000
AY	DEBRA MCQUILLAN ETAL (L/E FRANK L. & ANNA MAE MCQUILLAN)	04-C24B-0028.0000
BA	JANE KIERCE	04-C24B-0004.0000
BB	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	04-C24B-0003.0000
BC	EDWARD L. & CAROL J. THOMPSON	04-C24B-0002.0000
BD	JEFFREY, RANDY, & GREGORY NICKOLES (SURVIVOR)	04-C24B-0001.0000
BE	JEFFREY O. NICKOLES	04-CC20-0033.0001
BF	JAMES & CHARLENE JOHNSON (SURVIVOR)	04-CC20-0043.0000
BG	TIMOTHY J. DISERIO	04-CC20-0042.0000
BH	NORFOLK & WESTERN RAILWAY CO.	04-C24B-0029.0000
BI	ROBERT G. HIGGINBOTHAM JR.	04-CC20-0041.0000
BJ	JOHN ERNEST MILLER & JESSE ANDREW (SURVIVOR)	04-CC20-0004.0000
BK	WILLIAM & MILDRED T. MARINO	04-CC20-0035.0000
BL	ROBERT & DELORIS CLINE	04-CC20-0034.0000
BM	LINDY L. & SANTY GALIANO	04-CC20-0019.0001
BN	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC20-0006.0000
BO	COLLIERS SPORTSMAN CLUB	04-CC20-0021.0000
BP	WILLIAM C. & ANNA MAE SAUNDERS	04-CC20-0023.0000
BQ	STACI & PATRICK BREEN (JTWS)	04-CC20-0003.0000
BR	WILLIAM & ANNA MAE SAUNDERS	04-CC20-0002.0000
BS	LINDA BURDIS	04-CC11-0085.0000
BT	DAVID C. DAMI	04-CC20-0001.0001
BU	DAVID C. DAMI	04-CC20-0002.0001
BV	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC19-0168.0000
BW	JASON P. NUZUM	04-CC19-0113.0000
BX	JASON P. NUZUM	04-CC15-0070.0000
BY	PETER D. & RUTH M. BLASKOVICH	04-CC15-0071.0000
BZ	LENORA J. RINEHART	04-CC15-0074.0000
CA	LARRY E. REED	04-CC15-0068.0001
CB	RANDY L. NICKOLES	04-C24B-0008.0000
CC	RANDY L. NICKOLES	04-C24B-0033.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	THE PALFALVY IRREVOCABLE TRUST (DENNIS PALFALVY III)	04-CC16-0005.0000
B	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0008.0001
C	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0008.0000
D	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC20-0046.0000
E	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC20-0026.0000
F	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC20-0027.0000
G	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC20-0031.0000
H	PENWEIR CONSTRUCTION COMPANY	380-014-00-00-0004
I	PENWEIR CONSTRUCTION COMPANY	380-014-00-00-0003
J	CALVIN H. MYERS JR.	380-014-00-00-0002
K	PITTSBURGH & WEST VIRGINIA RAILROAD CO.	380-014-00-00-0001
L	RANDY L. NICKOLES	380-015-00-00-0019
M	WILLIAM & CAROLYN R. ROTELLINI	380-015-00-00-0018-01
N	*UNKNOWN*	*UNKNOWN*
O	JEFFREY O. NICKOLES	04-C24B-0009.0000
P	PITTSBURGH & WEST VIRGINIA RAILWAY CO.	04-C24F-0014.0000
Q	JERRY & LINDA MCNEELY	380-015-00-00-0001-02
R	ROBERT ROTELLINI & ANDREA L. PUSKARICH	380-015-00-00-0009
S	EUGENE CRUNY	04-CC24-0130.0000
T	DEAN SMITH	04-CC24-0099.0000
U	DEAN SMITH	04-CC24-0098.0000
V	GEORGE L. BRADLEY	04-CC24-0055.0000
W	RAYMOND CROSS, DENNIS P. CROSS, & KATHRYN R. BUTLER	04-CC24-0013.0000
X	WHEELING ENERGY WORKS LTD	04-CC24-0008.0000
Y	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC24-0003.0000
Z	NORFOLK & WESTERN RAILWAY CO.	04-C24B-0029.0000
AA	MICHAEL L. OBER	04-C24F-0001.0000
AB	MARY ELLEN MORRIS	04-C24F-0002.0000
AC	MARY ELLEN MORRIS	04-C24F-0003.0000
AD	*UNKNOWN*	04-C24F-0011.0000
AE	MICHAEL L. OBER	04-C24F-0010.0000
AF	MICHAEL L. OBER	04-C24F-0009.0000
AG	JOSEPH & LINA SANTORO (SURVIVOR)	04-C24F-0008.0000
AH	ROBERT & PEGGY ANKROM (JTWS)	04-C24F-0012.0000
AI	ROBERT & PEGGY ANKROM (JTWS)	04-C24F-0013.0000

08/27/2021

REVISIONS:	COMPANY: <b>SWN</b> Production Company, LLC		DATE: 04-07-2021	
	OPERATOR'S: STATE OF WV DNR A		API NO: 47-009-00297	
	WELL #: BRK 6H		DRAWN BY: R. GRIMES	
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A
				DRAWING NO: 2019-0789
				WELL LOCATION PLAT