

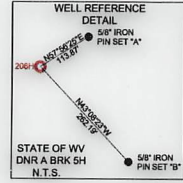
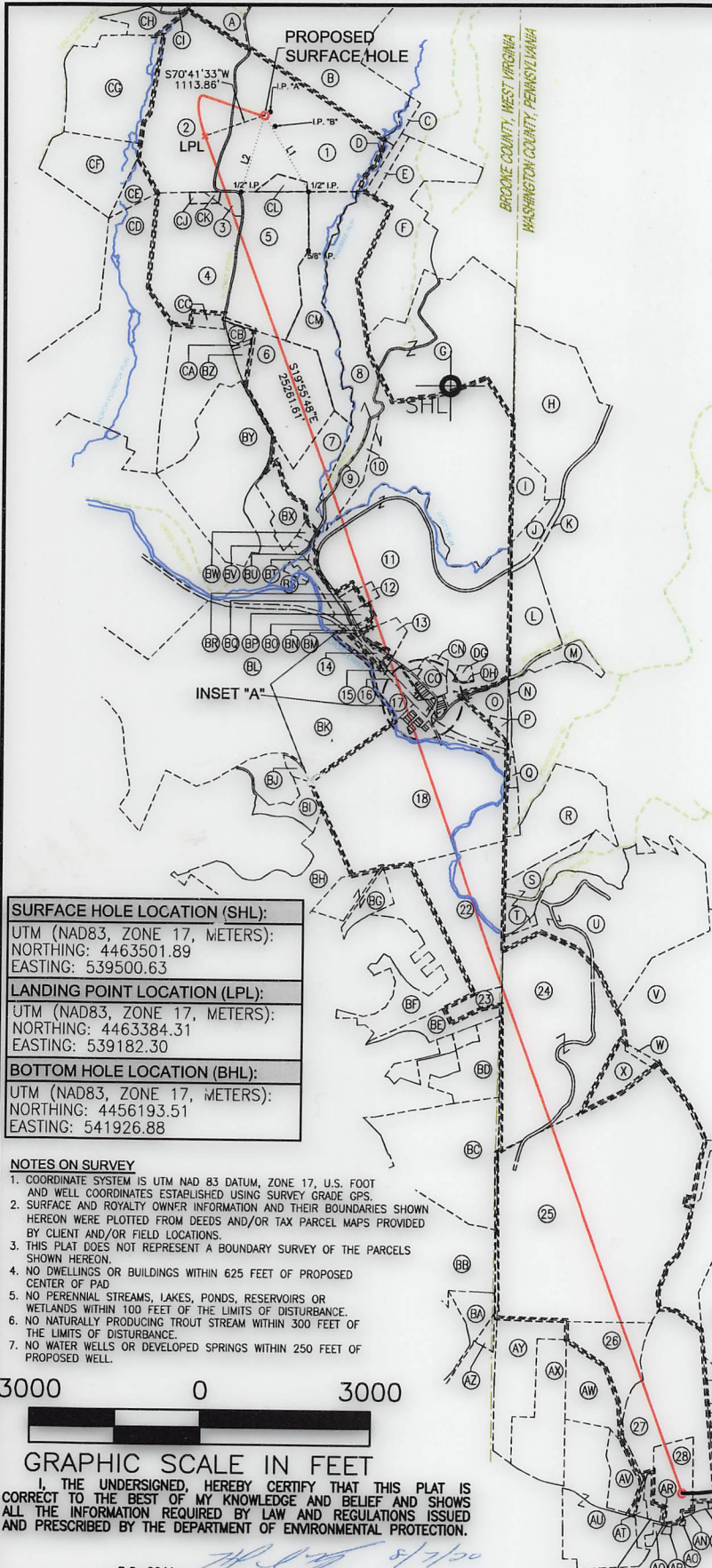
(2000' SCALE) LATITUDE: 40°20'00" SURFACE HOLE

9777'

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

1949'

LINE	BEARING	DISTANCE
L1	N29°46'58"W	1550.98'
L2	S16°56'26"W	1414.58'



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

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

13304'

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

4454'

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4463501.89 EASTING: 5395000.63
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4463384.31 EASTING: 539182.30
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4456193.51 EASTING: 541926.88

- 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.

3000 0 3000

GRAPHIC SCALE IN FEET

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



JHA Companies
ENGINEERS
SURVEYORS
ENVIRONMENTAL
GIS MAPPING
www.jhacompanies.com

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

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

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

STATE OF WV DNR A

OPERATOR'S WELL #: BRK 206H

API WELL #: 47 009 00299

STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO NORTH ELEVATION: 1139.9'

DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST, OH

SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR ACREAGE: ±97.50

OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR 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 (SPECIFY)

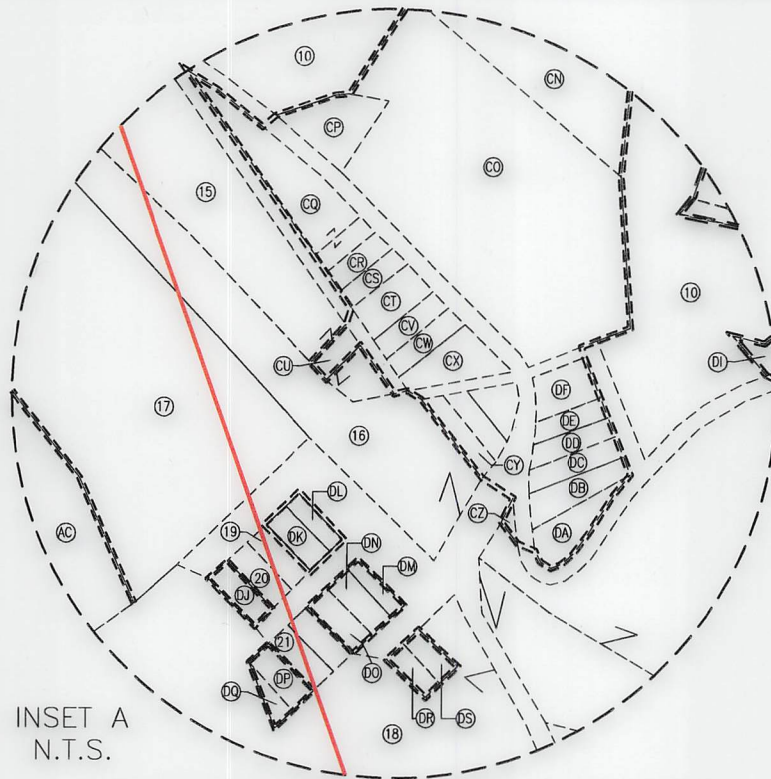
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,007' TVD 31,558' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY W ODY

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: 26308

LEGEND:	<ul style="list-style-type: none"> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LANDING POINT LOCATION TURNING POINT LOCATION EXISTING WATER WELL EXISTING SPRING NATURAL WATERWAY SURVEYED BOUNDARY LEASE BOUNDARY PROPOSED PATH PUBLIC ROAD 	REVISIONS: DATE: 08-07-2020 API NO: 47-009-XXXXX DRAWN BY: L.CLINE 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	FREDA M. DUNN & ROBERT SAUNDRA (L/E FREDA DUNN)	04-CC20-0001.0000
4	WILLIAM & ANNA MAE SAUNDERS	04-CC20-0002.0000
5	COLLIERS SPORTSMAN CLUB	04-CC20-0024.0000
6	COLLIERS SPORTSMAN CLUB	04-CC20-0021.0000
7	WILLIAM MORGAN & DORIS J. ROUSE	04-CC20-0020.0000
8	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
9	STATE OF WEST VIRGINIA DEPARTMENT OF HIGHWAYS	AMSPOKER ROAD
10	DEBORAH K. SLIDAY	04-CC20-0032.0000
11	NICKOLES 3 LLC	04-CC20-0033.0000
12	JEFFREY O. NICKOLES	04-CC20-0033.0001
13	JANE KIERCE	04-C24B-0004.0000
14	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	04-C24B-0005.0000
15	ANNETTE MILLER (L/E FRANK & ANNA MAE MCQUILLAN)	04-C24B-0028.0000
16	NORFOLK & WESTERN RAILWAY CO.	04-C19K-0018.0000
17	NORFOLK & WESTERN RAILWAY CO.	04-C24B-0029.0000
18	MICHAEL OBER	04-CC24-0007.0000
19	MARY ELLEN MORRIS	04-C24F-0003.0000
20	MARY ELLEN MORRIS	04-C24F-0002.0000
21	MICHAEL OBER	04-C24F-0009.0000
22	EUGENE CRUNY	04-CC24-0130.0000
23	STARVAGGI INDUSTRIES	04-CC24-0129.0000
24	BROWNLEE LAND VENTURES	370-1-15-0
25	STATE LINE REAL ESTATE LLC	370-4-1-0
26	RONALD B. JR. & ROSEANNE POWELL	370-7-2-2
27	WILLIAM & GEORGE TACZAK	370-4-47-0
28	OWINGS FAMILY TRUST (JOANNE OWINGS TRUSTEES)	370-4-46-0

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R+} ^A ^{V+} [®]
Production Company™

OPERATOR'S STATE OF WV DNR A

WELL #: 47-001-00299

BRK 206H

DATE: 08-07-2020

API NO: 47-009-XXXXX

DRAWN BY: L.CLIN

DISTRICT:
CROSS CREEK

COUNTY:
BROOKE

STATE:
WV

SCALE: N/A

DRAWING NO: 2019-0789

WELL LOCATION PLAT

COMPLETION ID 2501166537
PAD ID 3001156588

DATE: 08-07-2020
 API NO: 47-009-XXXXX
 DRAWN BY: L.CLINE
 SCALE: N/A
 DRAWING NO: 2019-0789
 WELL LOCATION PLAT

OPERATOR'S STATE OF WV DNR A
 WELL #: 47-009-00299 BRK 206H
 COUNTY: BROOKE
 STATE: WV

DISTRICT: CROSS CREEK
 REVISIONS:

COMPANY: SWS Production Company, LLC

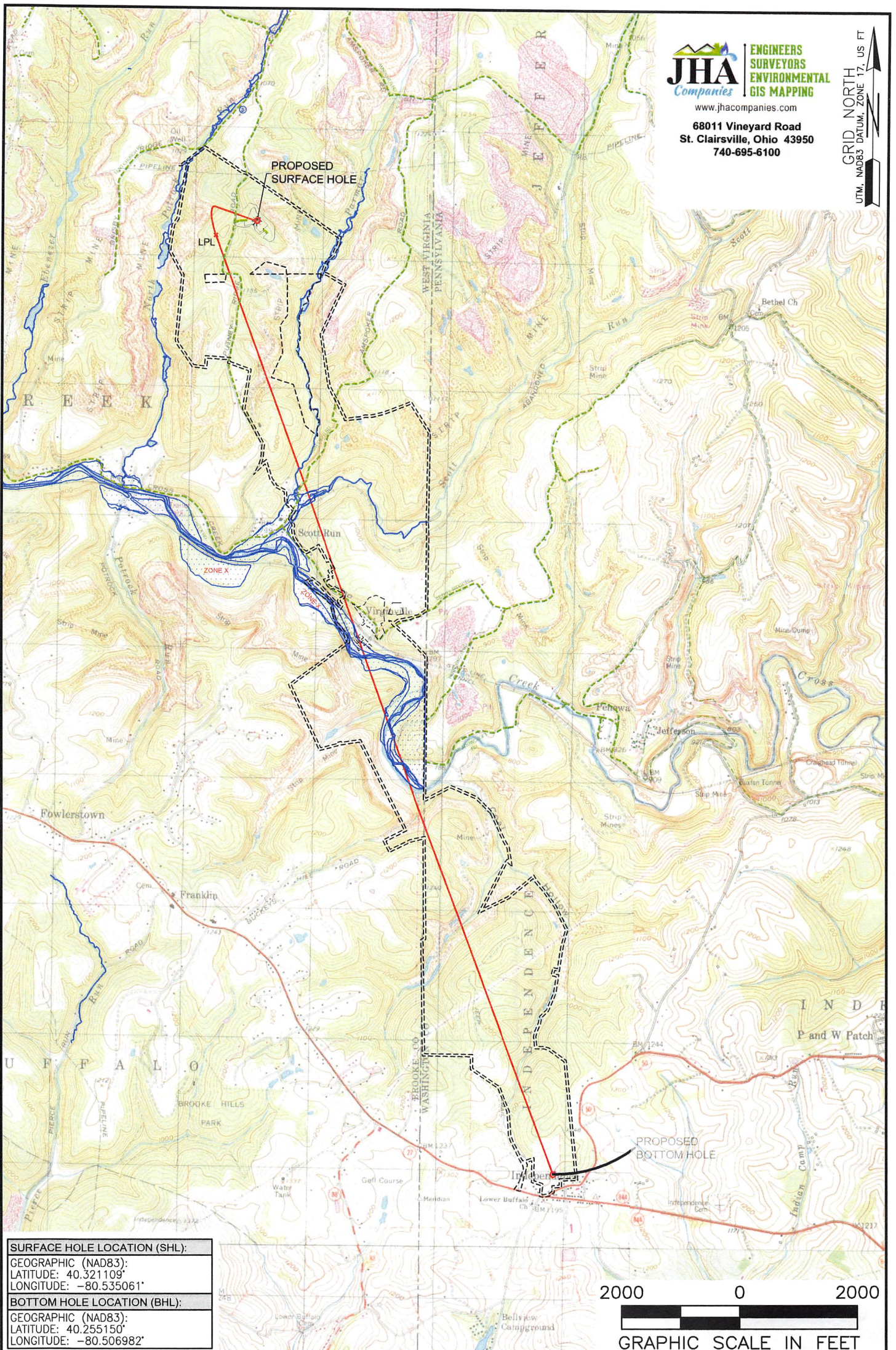



ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
BM	DEBRA MCOULLAN ETAL (1/3 FRANK L & ANNA MAE MCOULLAN)	4-C24B-27
BN	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	4-C24B-3
BO	EDWARD L & CAROL J THOMPSON	4-C24B-2
BP	JEFFREY, RANDY, & GREGORY NICKOLES (SURVORSHIP)	4-C24B-1
BQ	JAMES & CHARLENE JOHNSON	4-C220-43
BR	TIMOTHY J. DISERIO	4-C220-42
BS	NORFOLK & WESTERN RAILROAD CO.	4-C24B-29
BT	ROBERT G. HIGGINBOTHAM JR.	4-C220-41
BU	RON GASPARIANE	4-C220-40
BV	WILLIAM & MILFREED T. MARINO	4-C220-35
BW	ROBERT & DELORIS CLINE	4-C220-34
BX	LINDY L. & SALLY GALIANO	4-C220-191
BY	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	4-C220-6
BZ	SUSAN D. & DENNIS M. BREEN	4-C220-22
CA	SUSAN D. & DENNIS BREEN (SURVORSHIP)	4-C220-231
CB	WILLIAM C & ANNA MAE SANDERS	4-C220-23
CC	STACI & PATRICK BREEN	4-C220-3
CD	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	4-C219-168
CE	JASON P. NUZUM	4-C219-113
CF	JASON P. NUZUM	4-C215-70
CG	PETER D. & RUTH M. BASKOVICH	4-C215-71
CH	LENDRA J. RINEHART	4-C215-74
CI	LARRY E. REED	4-C215-88.1
CJ	DAVID C. DAMI	4-C220-2.1
CK	DAVID C. DAMI	4-C220-1.1
CL	COLLIERS SPORTSMANS CLUB	4-C220-45
CM	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	4-C220-25.1
CN	NICKOLES J LLC	4-C220-33
CO	ANNETTE MILLER	4-C24B-7
CP	GREGORY NICKOLES	4-C24B-6
CQ	DEBRA MCOULLAN ETAL (1/3 FRANK L & ANNA MAE MCOULLAN)	4-C24B-27
CR	FRANKLIN WINSKI	4-C24B-25
CS	FRANKLIN WINSKI	4-C24B-24
CT	ALICE M. STEVENS	4-C24B-23
CU	DEBRA MCOULLAN & ANNETTE MILLER (1/3 FRANK L & ANNA MAE MCOULLAN)	4-C24B-19
CV	DENNIS F. MCOULLAN	4-C24B-22
CW	DENNIS F. MCOULLAN	4-C24B-21
CX	KATHY E. LAWRENCE	4-C24B-20
CY	GREG & CAROL NICKOLES	4-C24B-18
CZ	JAMES & CHARLENE JOHNSON (SURVOR)	4-C24B-10
DA	GREG & CAROL NICKOLES	4-C24B-11
DB	GREG & CAROL NICKOLES	4-C24B-12
DC	GREG & CAROL NICKOLES	4-C24B-13
DD	GREG & CAROL NICKOLES	4-C24B-14
DE	H3 LLC	4-C24B-15
DF	NICKOLES J LLC	4-C220-33
DG	RANDY L. NICKOLES	4-C24B-8
DH	RANDY L. NICKOLES	4-C24B-33
DI	JEFFREY NICKOLES	4-C24B-9
DJ	MICHAEL L. OBER	4-C24F-1
DK	MARY ELLEN MORRIS	4-C24B-31
DL	MARY ELLEN MORRIS	4-C24B-30
DM	ROBERT & PEGGY ANKROM (JWS)	4-C24F-6
DN	ROBERT & PEGGY ANKROM (JWS)	4-C24F-7
DO	JOSEPH & LINA (SURVOR)	4-C24F-8
DP	MICHAEL L. OBER	4-C24F-10
DQ	*UNKNOWN*	4-C24F-11
DR	ROBERT & PEGGY ANKROM (JWS)	4-C24F-12
DS	ROBERT & PEGGY ANKROM (JWS)	4-C24F-13

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
A	THE PALFAY IRREVOCABLE TRUST (DENNIS PALFAY III)	04-C216-0005.0000
B	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-C216-0008.0000
C	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-C216-0009.0000
D	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-C220-0046.0000
E	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-C220-0027.0000
F	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-C220-0027.0000
G	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-C220-0031.0000
H	PENWER CONSTRUCTION COMPANY	380-14-4-0
I	PENWER CONSTRUCTION COMPANY	380-14-3-0
J	GALVIN H. MYERS JR.	380-14-2-0
K	PITTSBURGH & WEST VIRGINIA RAILROAD CO.	380-14-1-0
L	RANDY L. NICKOLES	380-15-19-0
M	WILLIAM & CAROLYN R. ROTTELLINI	380-15-18-1
N	*UNKNOWN*	380-15-18-1
O	JEFFREY O. NICKOLES	04-C24F-0009.0000
P	PITTSBURGH & WEST VIRGINIA RAILWAY CO.	04-C24F-0014.0000
Q	JERRY & LINDA MCNEELY	380-15-1-2
R	ROBERT ROTTELLINI & ANDREA L. PUSKARICH	380-15-9-0
S	EUGENE CRUYN & JERAM A. JOSEPH	380-15-8-0
T	EUGENE CRUYN & JERAM A. JOSEPH	380-15-8-0
U	DANIEL BANOVICH	370-1-1-0
V	PETER J. KLOVAINICH INC.	370-1-12-0
W	BROWNLEE LAND VENTURES	370-1-15-0
X	KENNETH D. JR. & CELILIA C. VARNER	370-1-14-0
Y	KENNETH D. JR. & CELILIA C. VARNER	370-4-3-0
Z	ANGELO F. & PHILIP FALCONI	370-4-2-0
AA	DAVID L. & KELLY L. PERRIN	370-4-52-7
AB	DAVID L. & KELLY L. PERRIN	370-4-52-8
AC	DAREN L. PERRIN	370-4-52-9
AD	JASON STENGER	370-4-52-5
AE	MARK & CYNTHIA CECCHINI	370-4-52-6
AF	MARK & CYNTHIA CECCHINI	370-4-52-4
AG	MARK & CYNTHIA CECCHINI	370-4-52-2
AH	JOHN P. JR. DIBBLE & RACHELE E. PADILLA	370-4-52-3
AI	JOHN P. JR. DIBBLE & RACHELE E. PADILLA	370-4-52-0
AL	DUANE C. & RUTH ANN RYANWEC	370-8-1-1-8-1
AM	GARY W. DUPRIN	370-8-1-1-7-0
AN	DONALD ALBERT SELLA & USA HAMILTON	370-8-1-1-6-0
AO	TRUDI PITTMAN RUSH	370-8-1-2-1-0
AP	FRANCIS M. JR. & MARGARET T. COOKE	370-8-1-3-4-0
AQ	LOWER BUFFALO PRESBYTERIAN CHURCH	370-8-1-3-2-0
AR	NORMA V. HADDON	370-8-1-1-3-0
AS	NORMA V. HADDON	370-8-1-1-1-0
AT	WILLIAM & GEORGE TACZAK	370-8-1-1-1-1
AU	ROBERT G. & NANCY L. BRIGGS	370-7-0-0-2-0
AV	DAVID J. & JOANNE K. DEMPSTER	370-7-0-0-2-3
AW	CHEERY BUTA	370-7-0-0-2-1
AX	JOSEPH J. DEPERO III	370-7-0-0-1-0
AY	RYAN M. & BROOKE N. SMITH	370-7-0-0-1-1
AZ	NEAL E. & JOANNE W. SMITH	4-C229-194.2
BA	RUTH ANN STEWART & MADELOE DAWN JACKSON	4-C229-194
BB	ROBERT LEE FRESHWATER	4-C229-134
BC	DEBRA CYPHER(1/2) MATTHEW FAIR(1/4) SUSAN BRUFFY(1/4)	4-C229-57
BD	ELLEN CATTARUZZA	4-C229-39
BE	MICHAEL D. & LOIS J. JONES	4-C229-128
BF	DEAN SMITH	4-C224-98
BG	DEAN SMITH	4-C224-98
BH	GEORGE L. BRADLEY	4-C224-55
BI	RAYMOND S. & DENNIS P. CROSS	4-C224-13
BJ	WHEELING ENERGY WORKS LTD	4-C224-8
BK	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	4-C224-3
BL	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	4-C23-325



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.321109° LONGITUDE: -80.535061°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.255150° LONGITUDE: -80.506982°



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:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL LANDING POINT LOCATION
- FLLOOD PLAIN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: STATE OF WV DNR A	WELL # BRK 206H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: BROOKE	CODE: 009	DISTRICT: CROSS CREEK
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	USGS 7 1/2 QUADRANGLE MAP NAME: STUEBENVILLE EAST, OH		