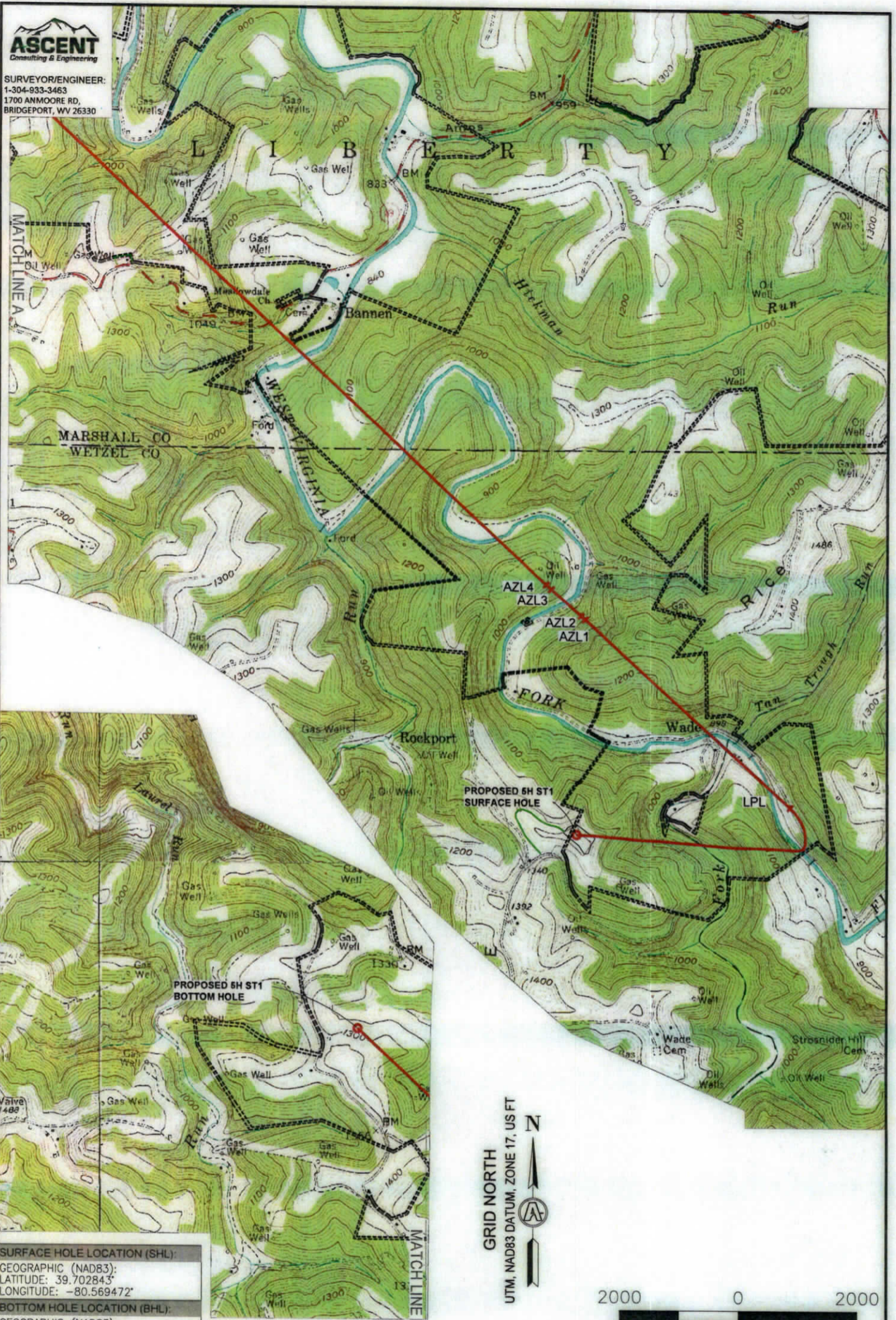




SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.702843°
LONGITUDE: -80.569472°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.742044°
LONGITUDE: -80.608896°

- 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 BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
 4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: RITER WTZ	WELL # 5H ST1	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	COUNTY - CODE WETZEL - 103	DISTRICT: CENTER	
SURFACE OWNER: HARRY RITER, JR. & VIOLET R. MENAS	USGS 7 1/2 QUADRANGLE MAP NAME LITTLETON, WV-PA		

11/01/2024

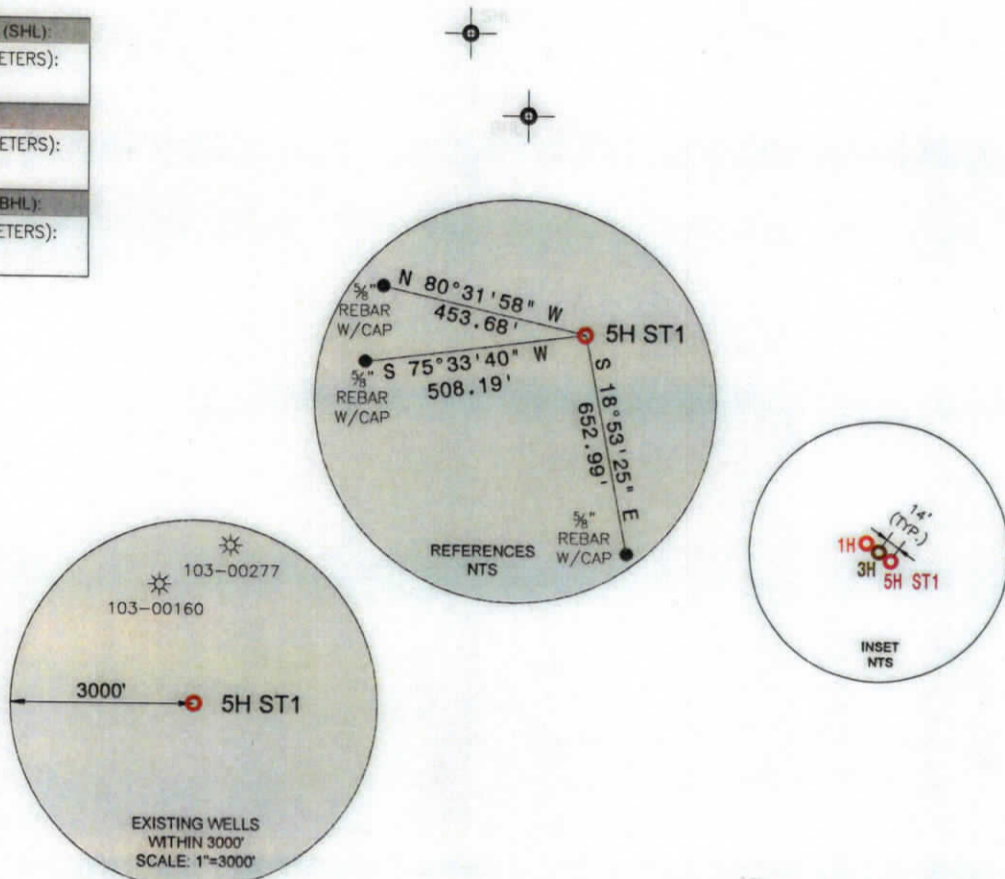


SURVEYOR/ENGINEER: 1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,394,865.110 EASTING: 536,908.636
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,395,014.502 EASTING: 538,043.835
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,399,200.415 EASTING: 533,509.884

Latitude: 39°42'30" SURFACE HOLE 7,821'
Latitude: 39°45'00" BOTTOM HOLE 7,186'

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



Longitude: 80°35'00"
Longitude: 80°32'30"

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 89°54'24" E	408.38'	SHL TO MONUMENT	POST
L2	S 09°59'04" E	1,258.03'	SHL TO MONUMENT	POST

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 82°30'11" E	3,756.51'	4721.15'	SHL TO LPL
L4	N 47°40'07" W	4,846.76'	4,846.76'	LPL TO AZL1
L5	N 48°31'41" W	97.79'	97.79'	AZL1 TO AZL2
L6	N 49°22'59" W	686.07'	686.07'	AZL2 TO AZL3
L7	N 48°12'40" W	123.83'	123.84'	AZL1 TO AZL2
L8	N 47°02'31" W	14,491.60'	14,491.60'	AZL2 TO AZL3

WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 100 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- 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.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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.

Michael R. Hyman 10-01-2024



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

 WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	RITER WTZ OPERATOR'S WELL #: 5H ST1		
	PROVEN SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)		API WELL #:	47	103
			STATE	COUNTY	PERMIT

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

WATERSHED: UPPER OHIO-WHEELING ELEVATION: 1,411.17

DISTRICT: CENTER COUNTY: WETZEL QUADRANGLE: LITTLETON

SURFACE OWNER: HARRY RITER, JR. & VIOLET R. MENAS ACREAGE: ±63.55

OIL & GAS ROYALTY OWNER: CONSOL ENERGY ATTN: CASEY SAUNDERS ACREAGE: ±63.55

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: 7,619 TVD 29,530 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITANY WOODY 11/01/2024

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

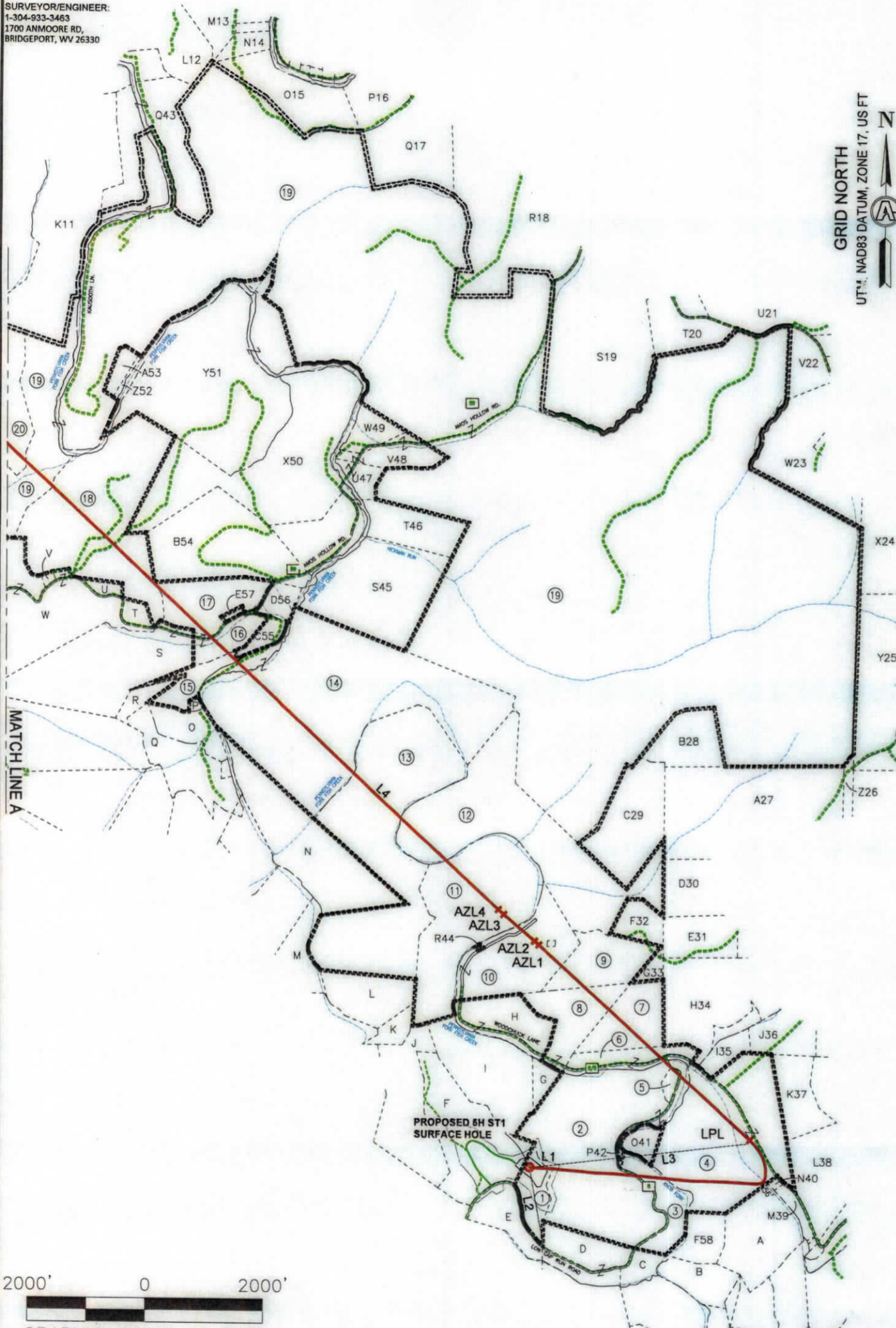
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING	SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH	REVISIONS: DATE: 10-01-2024 DRAWN BY: TMF SCALE: 1" = 2000' DRAWING NO: 2549 WELL LOCATION PLAT
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SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

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



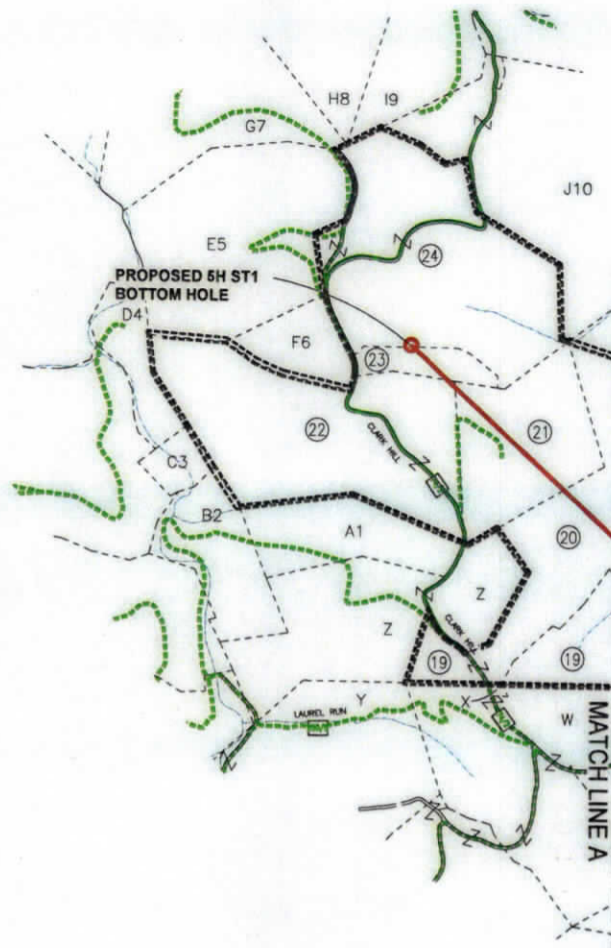
11/01/2024

REVISIONS:	COMPANY:		DATE: 10-01-2024
OPERATOR'S		RITER WTZ	
WELL #:		5H ST1	
DISTRICT CENTER		COUNTY: WETZEL	STATE: WV
		DRAWN BY: TMF	
		SCALE: 1"=2000'	
		DRAWING NO: 2549	
		WELL LOCATION PLAT 2	



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

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



WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RITER HARRY JR & MENAS VIOLET R (S)\ CONSOL Energy (R)	1-5-19
2	BLAKE GAY KAREN & JOSEPH F	1-6-7
3	S&R INVESTMENTS	1-6-11
4	S&R INVESTMENTS	3-1-23
5	CONSOLIDATED GAS TRANSMISSION CORPORATION	1-6-9
6	BERRY LAWRENCE C & DOROTHY J	1-6-8
7	WILLIAMS JOHN E HRS WILLIAMS JOHN EDWARD	1-6-4
8	SEIDLER BRIAN	1-6-3
9	BLACKROCK ENTERPRISES LLC	1-6-1
10	SEIDLER BRIAN	1-5-10
11	SEIDLER E DALE & NETTIE L	1-2-6.2
12	SEIDLER EARL DALE & NETTIE	1-2-6.1
13	WV STATE COMMERCE BUREAU OF NAT RESOURCE DIVISION	1-2-6
14	VELLEKOOP PETER B ET UX - TODD	7-27-13
15	GEHO ANNIE L EST	7-27-21
16	OCHSENBEIN RICHARD L	7-27-9
17	YOCUM JOSEPH LEE & MICHAEL D	7-27-5
18	HORNER DELORSE A	7-26-10
19	W VA WILDIFE RESOURCES SECTION	7-24-1
20	MORGAN JAMES E - LIFE	7-26-14
21	ROMACK VICTOR A	7-19-38
22	HORNER JOHN M & TERESA L	7-19-36
23	HORNER JOHN M & TERESA L	7-19-30.1
24	HORNER DELORSE A - LIFE	7-19-30



47-103-02645 11/01/2024

REVISIONS:	COMPANY:					
	OPERATOR'S				DATE: 10-01-2024	
	WELL #:		RITER WTZ			
	DISTRICT:		5H ST1			
	CENTER	COUNTY:	WETZEL	STATE:	WV	DRAWN BY: TMF
						SCALE: 1"=2000'
						DRAWING NO: 2549
						WELL LOCATION PLAT 3



SURVEYOR/ENGINEER: 1-304-933-3463
 1700 ANMOORE RD,
 BRIDGEPORT, WV 26330

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	WAYNE CARMINT REALTY LLC	3-1-25
B	S&R INVESTMENTS	3-5-1
C	S&R INVESTMENTS	1-6-10
D	GORBY STEPHEN H & BETH ANN	1-5-30
E	RITER HARRY JR MENAS VIOLET R	1-5-20
F	RITER HARRY JR MENAS VIOLET R	1-5-17
G	KOONTZ MICHAEL L KUHN SHAUN D	1-5-34
H	SEIDLER BRIAN	1-5-11
I	KOONTZ MICHAEL L KUHN SHAUN D	1-5-18
J	KOONTZ MICHAEL L KUHN SHAUN D	1-5-17.1
K	BROWN NEIL A TRUST	1-5-9
L	WV STATE OF COMM BUREAU OF NATURAL RESOURCES DIVISION	1-5-9.1
M	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	1-2-9
N	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-12
O	FERDA BRIAN T ET UX	7-27-16
P	FERDA BRIAN T ET UX	7-27-16.1
Q	FERDA BRIAN T ET UX	7-27-15
R	W VA WILDLIFE RESOURCES SECTION	7-27-17
S	SCHANCK JOSEPH L	7-27-18
T	RIGGS DALENA ET VIR	7-27-3.1
U	RIGGS JOHN E & DALENA	7-27-2.1
V	DEBOLD HOWARD L ET UX	7-27-2.2
W	RIGGS JOHN E JR & DELANA	7-27-2
X	WADE SAMUEL C - TOD	7-27-2.3
Y	RICHMOND MATTHEW ALLAN	7-28-5
Z	MORGAN JAMES E - LIFE	7-28-4
A1	MORGAN JAMES E - LIFE	7-28-3
B2	MASON DIXON FARMS LLC	7-28-2
C3	BLAIR M ZACHARY	7-19-35
D4	HORNER JOHN M & TERESA L	7-19-33
E5	HORNER JOHN M & TERESA L	7-19-32
F6	CHAMBERS MARY L	7-19-31
G7	MASON DIXON FARMS LLC	7-19-1
H8	MASON DIXON FARMS LLC	7-19-8.8
I9	HORNER JOHN M & TERESA L	7-19-12
J10	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	7-19-29
K11	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	7-19-28
L12	UNDERDONK ALAN	7-16-25.1
M13	BURGE JUDITH A & VIRGINIA L BAILEY & SUELLEN MARLING - TOD	7-20-6
N14	GEHO ANNIE L EST	7-20-11
O15	BURLEY AMMON ET UX	7-20-12
P16	BURLEY AMMON	7-20-18
Q17	BURLEY AMMON A	7-20-24
R18	BURLEY AMON A	7-20-37
S19	GRESHAW JASON M & MARY L	7-25-2
T20	BROWN ANDREW C III	7-25-6
U21	HARRINGTON CLYDE F	7-25-7
V22	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9
W23	CONAWAY THOMAS EARL JR & CAROLYN K STOW	7-25-12
X24	CONAWAY THOMAS E	7-23-1
Y25	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26
Z26	LONG LONNY DAVID & LINDA SUE	1-3-2.1
A27	ABEREGG D W EST & ABEREGG WILLIAM D ETAL L/E ABEREGG DA	1-3-2
B28	WADE MICHAEL CLAY & MCELLAND LAWRENCE W - TOD ET AL	7-24-6
C29	WILLIAMS KATHERINE E TRUST	1-3-1
D30	WILLIAMS LONNIE L	1-3-7
E31	WILLIAMS JOHN EDWARD	1-3-8
F32	CONSOLIDATED GAS TRANSMISSION CORP	1-3-5
G33	UNKNOWN	1-6-2
H34	MCGUFFIE ARCH	1-6-5

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

TRACT	SURFACE OWNER	TAX PARCEL
I35	MILLER HARVEY	3-1-7
J36	MILLIKEN KEVIN R ETAL	3-1-8
K37	PHILLIPS JR CHARLES R	3-1-22
L38	WAYNE CARMINT REALTY LLC	3-1-29
M39	WAYNE CARMINT REALTY LLC	3-1-28
N40	WAYNE CARMINT REALTY LLC	3-1-27
O41	SHOWALTER THOMAS HRS	3-1-24
P42	CONSOLIDATED GAS TRANS CORP	3-1-36
Q43	FROMHART BRAD ET UX - LIFE	7-20-41
R44	SEIDLER E DALE & NETTIE L	1-5-10.1
S45	VELLEKOOP PETER B ET UX - TOD	7-27-11
T46	VELLEKOOP PETER B ET UX - TOD	7-27-10.1
U47	VELLEKOOP PETER B ET UX - TOD	7-28-6.2
V48	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
W49	GEDEON DANIEL D ET UX	7-26-6
X50	YOCUM JOSEPH LEE & MICHAEL D	7-26-9
Y51	CONSOLIDATED GAS SUPPLY CORP	7-26-8
Z52	BUTLER JOHN M & LISA A	7-26-11.1
A53	HUNDRED RESOURCES INC	7-26-11
B54	YOCUM JOSEPH LEE & MICHAEL D	7-27-4
C55	BURGE DELORES E ET AL	7-27-10
D56	HIGH PHILIP D	7-27-8
E57	MEADOWDALE UNITED METH CH CEM	7-27-6
F58	S&R INVESTMENTS	3-1-25

*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.

47-103-11/01/2024

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R-V+}
Production Company™

OPERATOR'S: RITER WTZ
 WELL #: 5H ST1

DATE: 10-01-2024

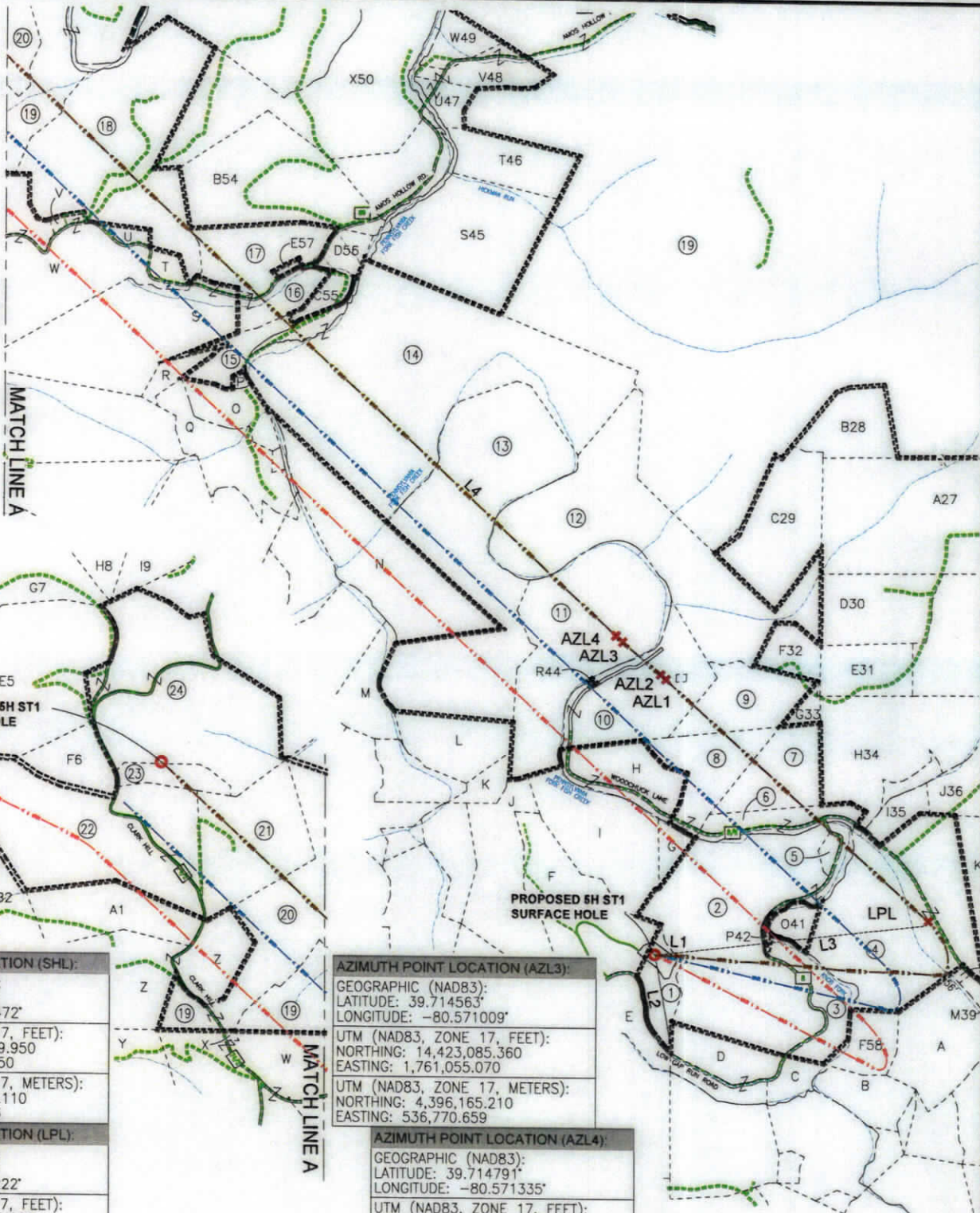
DISTRICT: CENTER COUNTY: WETZEL STATE: WV

DRAWN BY: TMF
 SCALE: N/A
 DRAWING NO: 2549
 WELL LOCATION PLAT 4



SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

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



SURFACE HOLE LOCATION (SHL):	
GEOGRAPHIC (NAD83):	LATITUDE: 39.702843°
	LONGITUDE: -80.569472°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,418,819.950
	EASTING: 1,761,507.750
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,394,865.110
	EASTING: 536,908.636

LANDING POINT LOCATION (LPL):	
GEOGRAPHIC (NAD83):	LATITUDE: 39.704139°
	LONGITUDE: -80.556222°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,419,310.080
	EASTING: 1,765,232.150
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,395,014.502
	EASTING: 538,043.835

AZIMUTH POINT LOCATION (AZL1):	
GEOGRAPHIC (NAD83):	LATITUDE: 39.713150°
	LONGITUDE: -80.568905°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,422,573.970
	EASTING: 1,761,649.120
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,396,009.338
	EASTING: 536,951.726

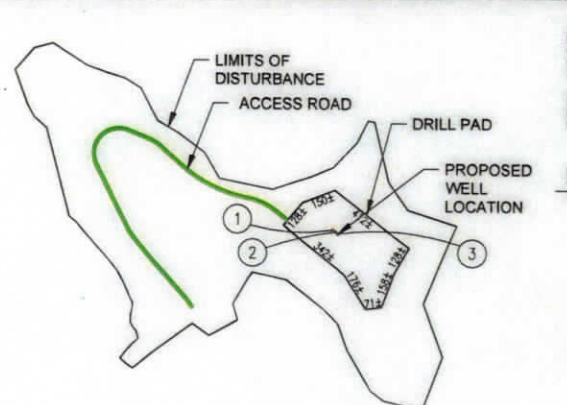
AZIMUTH POINT LOCATION (AZL2):	
GEOGRAPHIC (NAD83):	LATITUDE: 39.713329°
	LONGITUDE: -80.569164°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,422,638.730
	EASTING: 1,761,575.850
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,396,029.077
	EASTING: 536,929.393

AZIMUTH POINT LOCATION (AZL3):	
GEOGRAPHIC (NAD83):	LATITUDE: 39.714563°
	LONGITUDE: -80.571009°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,423,085.360
	EASTING: 1,761,055.070
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,396,165.210
	EASTING: 536,770.659

AZIMUTH POINT LOCATION (AZL4):	
GEOGRAPHIC (NAD83):	LATITUDE: 39.714791°
	LONGITUDE: -80.571335°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,423,167.880
	EASTING: 1,760,962.740
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,396,190.362
	EASTING: 536,742.517

BOTTOM HOLE LOCATION (BHL):	
GEOGRAPHIC (NAD83):	LATITUDE: 39.742044°
	LONGITUDE: -80.608896°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,433,043.360
	EASTING: 1,750,357.010
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,399,200.415
	EASTING: 533,509.884

- 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.
 4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.



GRID NORTH
INSET
N.T.S.

COMPANY: **SWN** Production Company, LLC

OPERATOR'S: **RITER WTZ**
WELL #: **5H ST1**

DISTRICT: CENTER COUNTY: WETZEL STATE: WV

SWN PRODUCTION COMPANY, LLC
SURFACE HOLES
1. "RITER WTZ 1H"
2. "WELL NAME 3H"
3. "WELL NAME 5H ST1"

11/01/2024

47-103-03145

REVISIONS:	DATE: 10-01-2024
	DRAWN BY: TMF
	SCALE: 1" = 2000'
	DRAWING NO: 2549
	INTERNAL WELL PLAT