

LATITUDE: 39°45' SURFACE HOLE (2000' SCALE) 118'

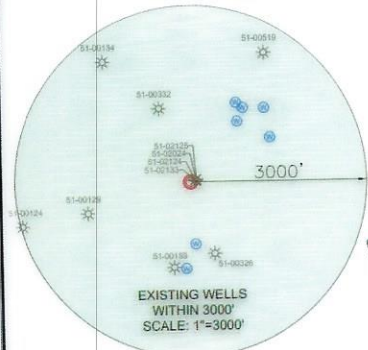
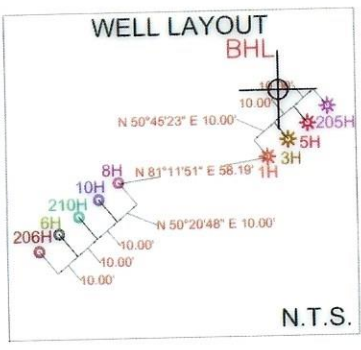
LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE) 1863'



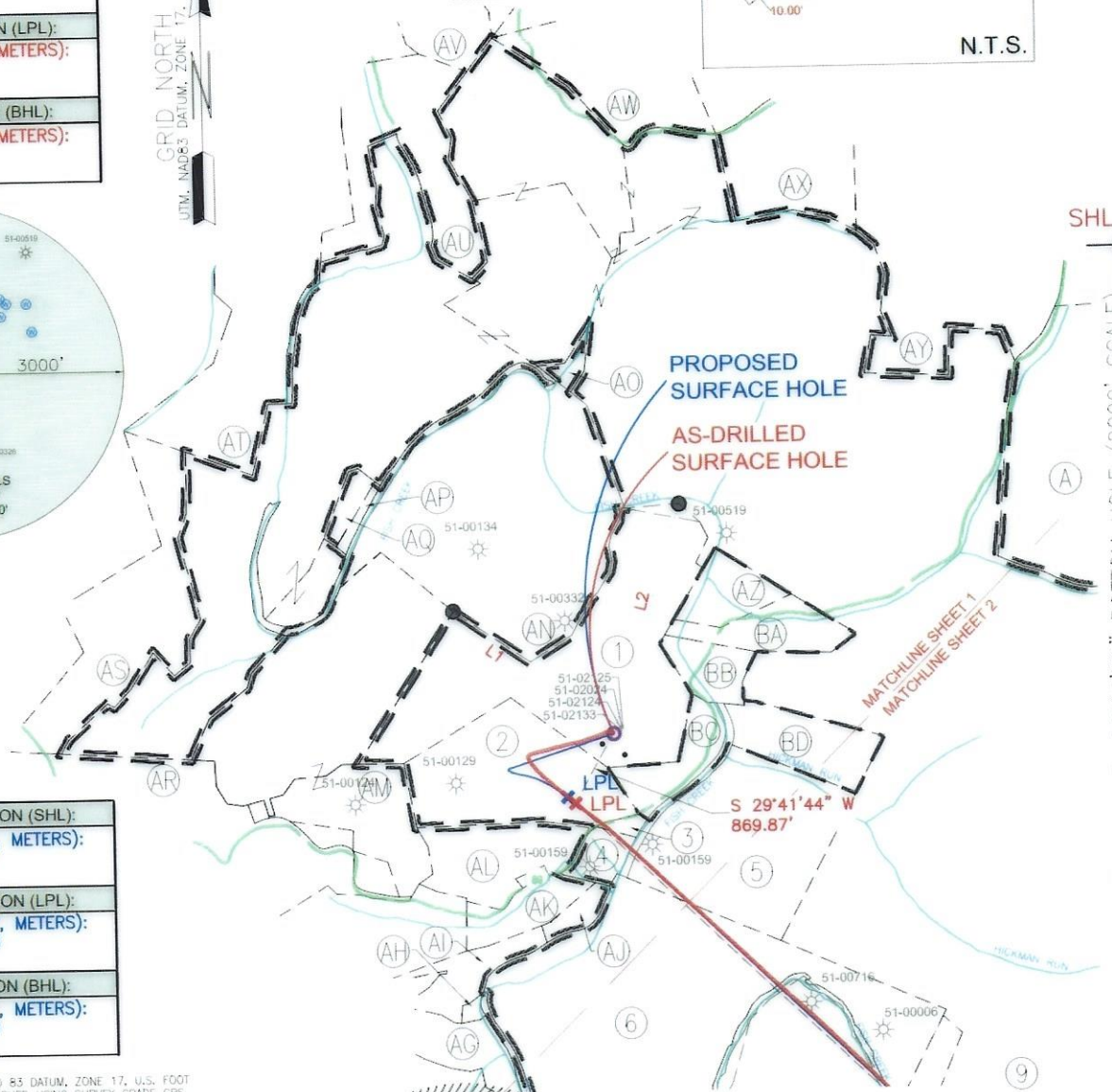
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4398187.47 EASTING: 535659.79
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4397953.16 EASTING: 535530.11
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4395002.67 EASTING: 538701.39

LINE	BEARING	DISTANCE
L1	N53°23'28"W	2,278.91'
L2	N16°49'25"E	2,639.37'



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



1428'
6006'
SHL
LONGITUDE: 80°32'30" BOTTOM HOLE (2000' SCALE)
LONGITUDE: 80°35' SURFACE HOLE (2000' SCALE)

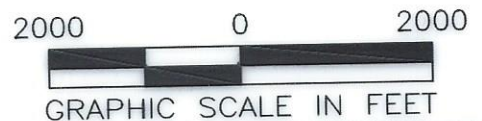
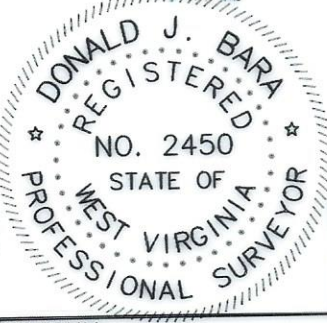
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4398187.57 EASTING: 535659.83
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4397973.78 EASTING: 535503.95
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4395004.38 EASTING: 538703.25

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. 2450



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 SOURCE OF SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>OPERATOR'S WELL #: YOCUM MSH 6H</p> <p>API WELL #: 47 STATE 051 COUNTY 02463 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 DISTRICT: LIBERTY COUNTY: MARSHALL SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM</p> <p>DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input 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 checked="" type="checkbox"/> (SPECIFY) AS-DRILLED 03/15/2024</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,285' TVD 21,979' TMD</p>	<p>DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>
<p>LEGEND:</p> <ul style="list-style-type: none"> EXISTING BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION PROPOSED SURFACE HOLE / BOTTOM HOLE PROPOSED LANDING POINT LOCATION ACCESS ROAD PUBLIC ROAD FLOOD PLAIN LEASE BOUNDARY ASDRILLED PATH PROPOSED PATH 	<p>REVISIONS:</p> <p>DATE: 05-10-2023 API NO: 47-051-02463 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-154 WELL LOCATION PLAT</p>	

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LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE) 1863'

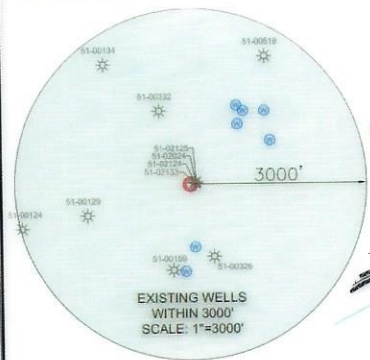
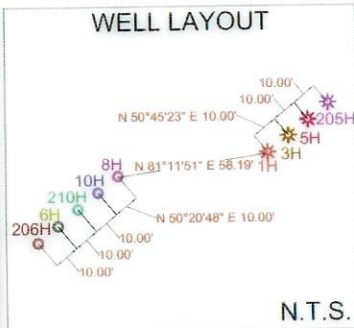


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SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4398187.57 EASTING: 535659.83	SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4398187.47 EASTING: 535659.79
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4397973.78 EASTING: 535503.95	LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4397953.16 EASTING: 535530.11
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4395004.38 EASTING: 538703.25	BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4395002.67 EASTING: 538701.39

LINE	BEARING	DISTANCE
L1	N53°23'28"W	2,278.91'
L2	N16°49'25"E	2,639.37'

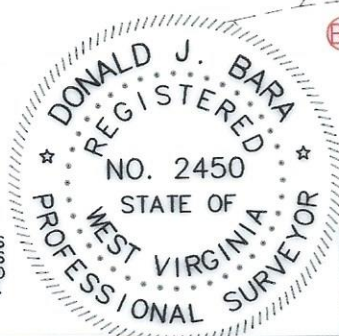


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- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

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P.S. 2450



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	YOCUM MSH 6H
	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 47	API WELL #: 051 02463

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1052.6'

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: LITTLETON, WV

SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED 03/15/2024

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,285' TVD 21,979' 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

LEGEND:	EXISTING BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION	ACCESS ROAD PUBLIC ROAD FLOOD PLAIN LEASE BOUNDARY ASDRILLED PATH PROPOSED PATH	REVISIONS: DATE: 05-10-2023 API NO: 47-051-02463 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-154 WELL LOCATION PLAT
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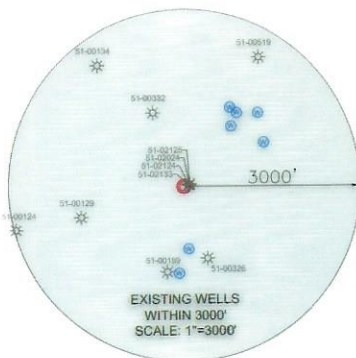


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NOTES ON SURVEY

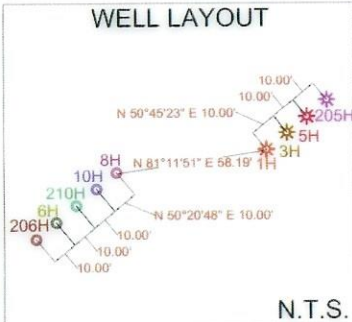
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6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 500 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



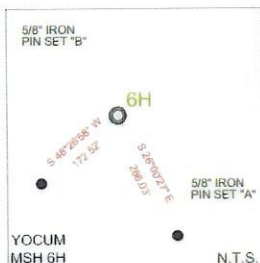
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

1428'
6006'

WELL LAYOUT

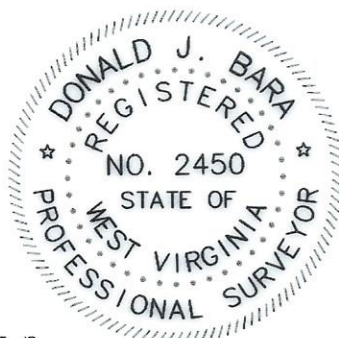
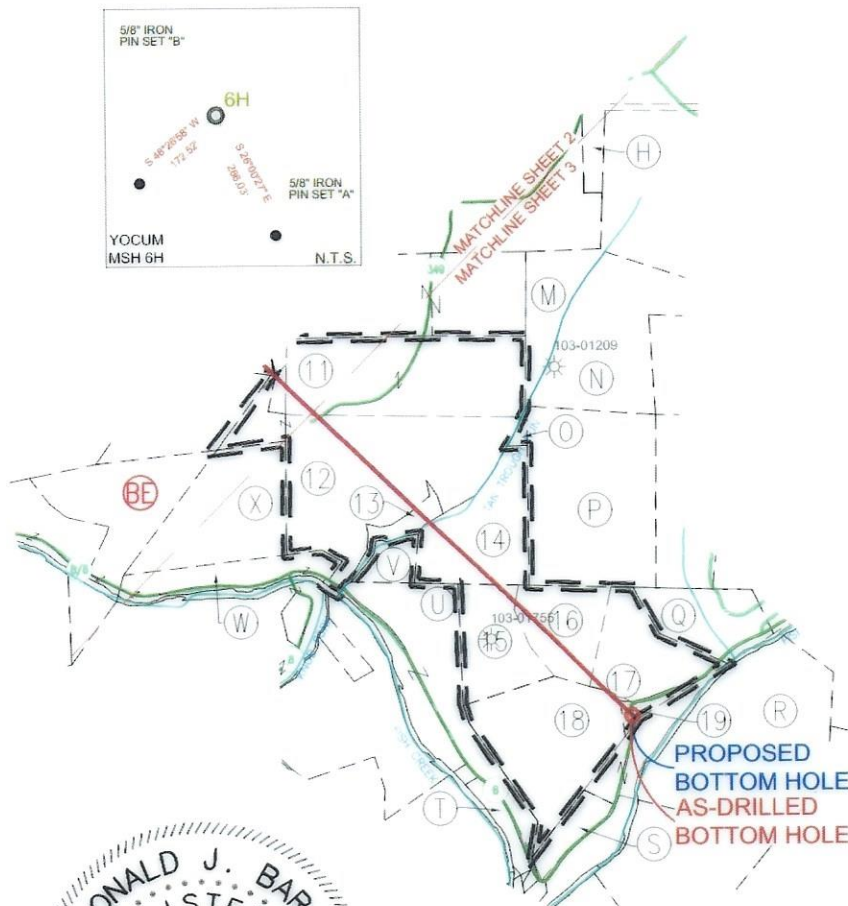


N.T.S.



LINE	BEARING	DISTANCE
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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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: YOCUM MSH 6H API WELL #: 47 051 02463 STATE COUNTY PERMIT
	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"/>	WATERSHED: UPPER OHIO SOUTH DISTRICT: LIBERTY COUNTY: MARSHALL SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM

DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>	CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED 03/15/2024	ESTIMATED DEPTH: 7,285' TVD 21,979' 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	

LEGEND:	REVISIONS:	DATE:
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	05-10-2023 API NO: 47-051-02463 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-154 WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	YOCUM JOSEPH LEE & MICHAEL D	7-26-9
TRACT	SURFACE OWNER	TAX PARCEL
2	YOCUM JOSEPH LEE & MICHAEL D	7-27-4
3	YOCUM JOSEPH LEE & MICHAEL D	7-27-4.1
4	HIGH PHILIP D	7-27-8
5	VELLEKOOP PETER B ET UX - TOD	7-27-11
6	VELLEKOOP PETER B ET UX - TOD	7-27-13
7	WV STATE COMMERCE BUREAU OF	1-2-6
8	SEIDLER EARL DALE & NETTIE	1-2-6.1
9	W VA WILDLIFE RESOURCES SECTION	7-24-1
10	CONSOLIDATED GAS TRANSMISSION	1-3-5
11	WILLIAMS JOHN EDWARD	1-3-8
12	MCGUFFIE ARCH	1-6-5
13	MILLIKEN KEVIN R ETAL	1-6-6
14	MILLIKEN KEVIN R ETAL	3-1-8
15	PHILLIPS JR CHARLES R	3-1-22
16	CONSOLIDATED GAS TRANS CORP	3-1-21
17	CONSOLIDATED GAS TRANS CORP	3-1-20
18	CONSOLIDATED GAS TRANSMISSION	3-1-29
19	CONSOLIDATED GAS TRANSMISSION	3-1-31

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	GRESHAW JASON M & MARY L	7-25-2
B	BROWN ANDREW C III	7-25-6
C	HARRINGTON CLYDE F	7-25-7
D	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9
E	CONAWAY THOMAS EARL JR & CAROLYN K STOWE	7-25-12
F	CONAWAY THOMAS E	7-23-1
G	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26
H	LONG LONNY DAVID & LINDA SUE	1-3-2.1
I	ABEREGG D W EST & ABEREGG	1-3-2
J	WADE MICHAEL CLAY & MCCCELLAND LAWRENCE W - TOD ET AL	7-24-6
K	WILLIAMS KATHERINE E TRUST	1-3-1
L	WILLIAMS LONNIE L	1-3-7
M	JOHNSON VERNON S EST	3-1-1
N	DRAHEIM HERBERT P ET AL	3-1-6
O	CBC HOLDINGS LLC	3-1-8.1
P	DRAHEIM GARY W JR ETAL	3-1-9
Q	CONSOLIDATED GAS TRANS CORP	3-1-19
R	CONSOLIDATED GAS TRANSMISSION	3-1-32
S	CONSOLIDATED GAS TRANS CORP	3-1-30
T	CONSOLIDATED GAS TRANS CORP	3-1-28
U	S&R INVESTMENTS	3-1-23
V	CONSOLIDATED GAS TRANS CORP	3-1-7
W	BERRY LAWRENCE C & DOROTHY J	1-6-8
X	WILLIAMS JOHN E HRS	1-6-4
Y	REMOVED	REMOVED
Z	BLACKROCK ENTERPRISES LLC	1-6-1
AA	SEIDLER E DALE & NETTIE L	1-5-10
AB	SEIDLER E DALE & NETTIE L	1-2-6.2
AC	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-12

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AD	BALTZ WM TR OF VH & F CLUB	1-2-5.1
AE	FERDA BRIAN T ET UX	7-27-15
AF	FITZSIMMONS SCOTT M ET AL	7-27-14
AG	FERDA BRIAN T ET UX	7-27-16
AH	FERDA BRIAN T ET UX	7-27-16.1
AI	GEHO ANNIE L EST	7-27-21
AJ	BURGE DELORES E ET AL	7-27-10
AK	OCHSENBEIN RICHARD L	7-27-9
AL	YOCUM JOSEPH LEE & MICHAEL D	7-27-5
AM	HORNER DELORSE A	7-26-10
AN	CONSOLIDATED GAS SUPPLY CORP	7-26-8
AO	BUZZARD COLIN R	7-26-3
AP	BUTLER JOHN M & LISA A	7-26-11.1
AQ	HUNDRED RESOURCES INC	7-26-11
AR	RIGGS JOHN E JR & DELANA	7-27-2
AS	MORGAN JAMES E - LIFE	7-26-14
AT	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	7-19-28
AU	FROMHART BRAD ET UX - LIFE	7-20-41
AV	UNDERDONK ALAN	7-16-25.1
AW	BURLEY AMMON ET UX	7-20-12
AX	BURLEY AMMON A	7-20-24
AY	BURLEY AMON A	7-20-37
AZ	GEDEON DANIEL D ET UX	7-26-6
BA	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
BB	VELLEKOOP PETER B ET UX - TOD	7-26-6.2
BC	STIPETICH SUSAN F & FRANK R	7-27-4.2
BD	VELLEKOOP PETER B ET UX - TOD	7-27-10.1
BE	SEIDLER BRIAN	1-6-3

03/15/2024

REVISIONS:	COMPANY: SWN Production Company, LLC			DATE: 05-10-2023	
	OPERATOR'S: YOCUM MSH			API NO: 47-051-02463	
	WELL #: 6H			DRAWN BY: Z. WOOD	
	DISTRICT: LIBERTY	COUNTY: MARSHALL	STATE: WV	SCALE: N/A	
				DRAWING NO: 2017-154	
				WELL LOCATION PLAT	