

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE)

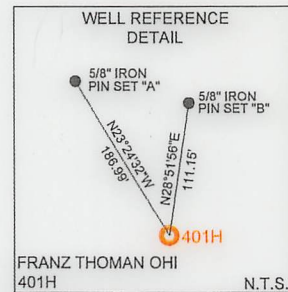
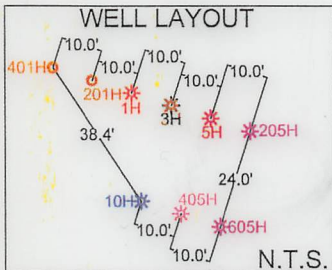
9773'

LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)

5419'



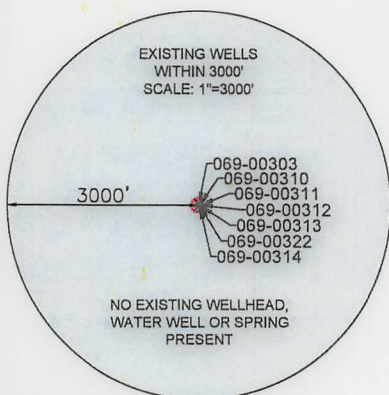
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



NOTES ON SURVEY

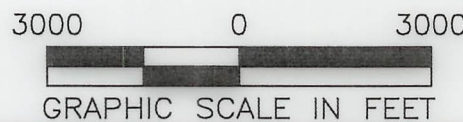
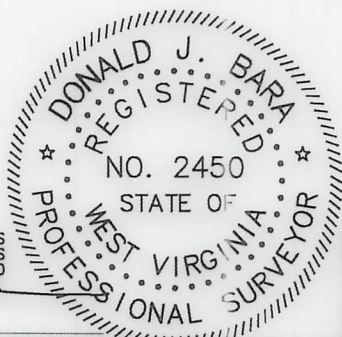
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 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	N57°13'36"W	1090.40'
L2	N81°17'01"W	1357.07'



PROPOSED SURFACE HOLE

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4442990.25 EASTING: 528966.91
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4443425.20 EASTING: 528068.58
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4447855.33 EASTING: 526741.63



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.

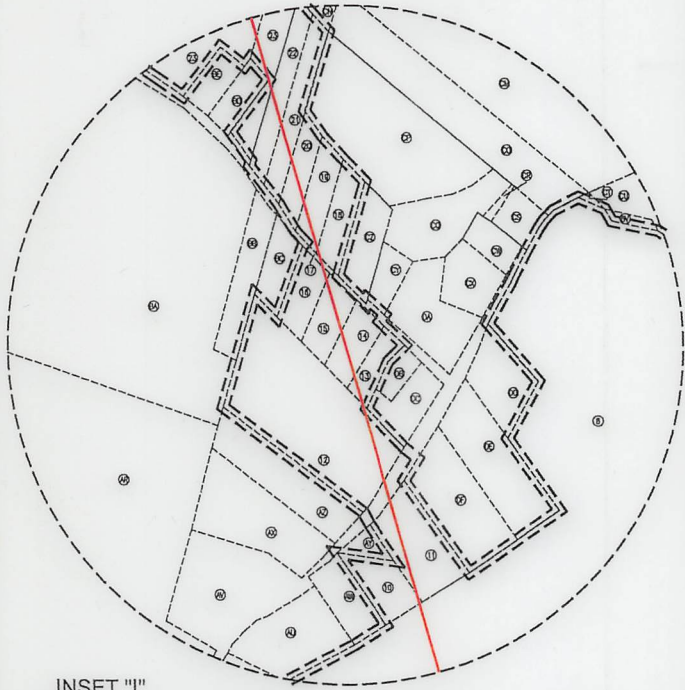
P.S. 2450

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

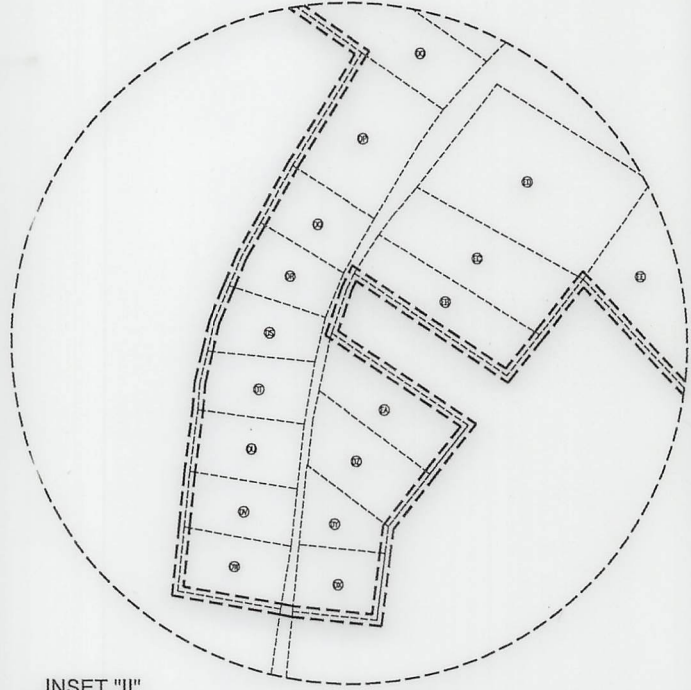
<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>FRANZ THOMAN OHI</p> <p>OPERATOR'S WELL #: 401H</p> <p>API WELL #: 47 069 00351 46A</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: 1,137.4'</p> <p>DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONVILLE, OH-WV</p> <p>SURFACE OWNER: FRANZ THOMAN ACREAGE: ±69.418</p> <p>OIL & GAS ROYALTY OWNER: FRANZ THOMAN ACREAGE: ±69.418</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: 5,852' TVD 22,320' TMD</p>	<p>09/16/2022</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>DESIGNATED AGENT: BRITTANY WOODY</p> <p>ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201</p> <p>CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>
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<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: 07-14-2022</p> <p>API NO: 47-069-XXXX</p> <p>DRAWN BY: R.GRIMES</p> <p>SCALE: 1" = 3000'</p> <p>DRAWING NO: 2018-781</p> <p>WELL LOCATION PLAT</p>
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INSET "I"
N.T.S.



INSET "II"
N.T.S.

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	THOMAN FRANZ (S) / (R)	4-R8-62
TRACT	SURFACE OWNER	TAX PARCEL
2	TUNNEL RIDGE LLC	4-R8P-16
3	CRAFT JOSEPH W III FOUNDATION	4-R8-51
4	TUNNEL RIDGE LLC	4-R8-79
5	CRAFT JOSEPH W III FOUNDATION	4-R8-63.2
6	CRAFT JOSEPH W III FOUNDATION	4-R8-4.13
7	TUNNEL RIDGE LLC	4-R8-4.18
8	TUNNEL RIDGE LLC	4-R5-40.7
9	TUNNEL RIDGE LLC	4-R8-3.2
10	ANTLEY MARK R & ELLIE	4-R5-36.2
11	MOUSER GREGORY	4-R5-37
12	OLEJASZ JOSEPH R JR	4-R5-34
13	ZIEGLER FRANCES A	4-R5-31
14	ZIEGLER FRANCES A	4-R5-32
15	EBERT FREDERICK ALAN	4-R5-32.2
16	RICHARDSON RUTH - LE	4-R5-32.1
17	STATE OF WEST VIRGINIA, DIVISION OF HIGHWAYS	COUNTY ROAD 4/1
18	THOMAS MARK S & C K	4-R5-30.4
19	WEAR SETH A & BLAKELY REBECCA S	4-R5-30.2
20	GRAY CINDY JO	4-R5-30.1
21	RICHARDSON BRIAN D AND FLANEGAN CASEY K	4-R5-26.1
22	RICHARDSON DANIEL	4-R5-26.2
23	HASELEU ELAINE M	4-R5-25
24	BUCK THOMAS E & TERRI D	4-R5-23
25	ESTEP JOHN L	4-R5-22.4
26	PLUMBY SARA, JULIE KLEIN & JUDITH PATTI	4-R5-22
27	KREISER DWIGHT & KATHY	4-R5E-6.1
28	DUNAWAY DONALD W	4-R5E-6
29	DUNAWAY DONALD R & DONALD W	4-R4-2.5
30	RIEDEL MICHAEL J & BRENDA J	4-R5-2.18
31	CRAFT JOSEPH W III FOUNDATION	4-R4-4
32	CRAFT JOSEPH W III FOUNDATION	04-00R4-9999-9999B
33	CRAFT JOSEPH W III FOUNDATION	4-R1-2
34	CRAFT JOSEPH W III FOUNDATION	4-R1-1.1
35	CRAFT JOSEPH W III FOUNDATION	4-R4-3
36	STATE OF WEST VIRGINIA	OHIO RIVER

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	TUNNEL RIDGE LLC	4-R8-62.5
B	TUNNEL RIDGE LLC	4-R8-62.4
C	TUNNEL RIDGE LLC	4-R8P-14
D	TUNNEL RIDGE LLC	4-R8P-15
E	TUNNEL RIDGE LLC	4-R8P-1
F	MARY ANN HESS REALTY LLC	4-R8-53
G	MARY ANN HESS REALTY LLC	4-R8N-10
H	LITTEN PATRICIA J	4-R8N-8
I	MURRAY JOSEPH B & SYLVIA J	4-R8N-7
J	ORKOSKEY JANET K	4-R8N-11
K	SHELL HOLLY L	4-R8N-12
L	SHELL HOLLY L	4-R8N-13
M	SMITH W EVERETT & JOLINDA STEINER	4-R8N-14
N	TUNNEL RIDGE LLC	4-R8-67
O	TUNNEL RIDGE LLC	2-CV4-15
P	TUNNEL RIDGE LLC	4-R8-63.3
Q	TUNNEL RIDGE LLC	4-R8-63
R	TUNNEL RIDGE LLC	2-CV4-15.2
S	STANLEY GEORGE DAVID AND SUSAN	2-CV4-14.2
T	STANLEY GEORGE D & SUSAN M	2-CV4-14.1
U	STANLEY GEORGE DAVID STANLEY SUSAN M	2-CV4-8.1
V	TRACY JOHN A & M A	2-CV4-21.3
W	TRACY JOHN A & MARY ANN E	2-CV4-21
X	BAKER VINCENT L	2-CV1-6
Y	BAKER VINCENT L	2-CV1-9
Z	KINNEER VERNON A JR & CARLA C	2-CV1-8
AA	KINNEER VERNON A JR & CARLA C	2-CV1-7
AB	BROWN CHAD & YEKATERINA	4-R8-4.19
AC	BROWN CHAD & YEKATERINA	4-R8-4.17
AD	FEDORKE M PATRICIA	4-R8-4.2
AE	FACEMIRE JAMES G	4-R8-4.3
AF	MACKAY JOHN E & DIANNA L	4-R8-4.4
AG	SMILA FRANK W JR & KELLY L	4-R8-4.12
AH	BAKER STEVEN P (LE); STEVEN P BAKER ET AL	4-R8-4
AI	GRASKI DONNA M; GRASKI MICHAEL & GRASKI TIFFANY L	4-R8-4.6
AJ	HELDEFFER GEORGE W	4-R8-4.7
AK	KUCERA LISA A	4-R8-4.8
AL	ROTH FARM LLC	4-R7-24
AM	MCKEE JAMES F JR & EILEEN B	4-R8-77
AN	MCKEE JAMES & EILEEN	4-R8-4.15
AO	MCKEE JAMES & EILEEN	4-R8-4.16
AP	MCKEE JAMES F JR & EILEEN B	4-R8-4.14

4706906351 09/16/2022

REVISIONS:	COMPANY:			DATE: 07-14-2022
	OPERATOR'S	FRANZ THOMAN OHI		API NO: 47-069-XXXX
	WELL #:	401H		DRAWN BY: R.GRIMES
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	RICHLAND	OHIO	WV	DRAWING NO: 2018-781
				WELL LOCATION PLAT

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AQ	SCHUETZ EBBIE JOSEPH & JOY	4-R8-3
AR	MCCLURE WM H & MARG A	4-R4-7
AS	HABERFIELD WAYNE K & D A	4-R8-1
AT	SHELL RICHARD A & N	4-R8-1.1
AU	WEIGAND PAUL & REBECCA FAMILY TRUST	4-R5-40.1
AV	PAVELICH-SWIGER SHERRI J PAVELICH JEFFREY M	4-R5-35.1
AW	KLEMM RICHARD A & J E	4-R5-36.1
AX	KUCERA CARL J & SHARON L	4-R5-35.2
AY	BARTLETT RICHARD C	4-R5-36
AZ	OLEJASZ JOSEPH R JR	4-R5-35
BA	HEART 2 HEART VOLUNTEERS INC	4-R4-5
BB	BOYD ROBERT JEFFREY & CHERYL L	4-R5-24
BC	RICHARDSON BRIAN D	4-R5-32.3
BD	HASELEU ELAINE	4-R5-23.1
BE	BEEVER MICHAEL E & P A	4-R5-23.3
BF	DONOHEW WILLIAM S & LAURA	04-00R4-9999-9999E
BG	KLIEN JULIE B; PATTI JUDITH A; PLUMBY SARA L	04-00R4-9999-9999D
BH	TUNNEL RIDGE LLC	4-R4-2.3
BI	TUNNEL RIDGE LLC	4-R4-2
BJ	TUNNEL RIDGE LLC	4-R2-21
BK	TUNNEL RIDGE LLC	4-R5-69
BL	WILSON RYAN T & MIDCAP SAMANTHA R	4-R5-2.3
BM	RUSSELL CINDY L & JAMES F	4-R5-2.13
BN	LANOS JOHN & GOLDIE	4-R5-2.33
BO	LARESE MARK C & JEAN ANN	4-R5-2.39
BP	GAUS BRYAN R & DANIELLE L	4-R5-2.47
BQ	CUPP KELLEY J	4-R5-2.51
BR	RIEDEL MICHAEL J & BRENDA J	4-R5-2.64
BS	WILKINSON KATHRYN E - TOD	4-R5-2.17
BT	FLUHARTY DOUGLAS W	4-R5-2.21
BU	VOGRIN STEPHEN L & ERIN L	4-R5-2.57
BV	RIEDEL MICHAEL J & BRENDA J	4-R5-2.19
BW	JEWELL RONALD E & KATHRYN J	4-R5E-7
BX	JEWELL RONALD E & KATHRYN J	4-R5E-8
BY	DECREASE KIMBERLY A	4-R5E-5
BZ	DECREASE KIMBERLY A	4-R5E-4
CA	DECREASE KIMBERLY A	4-R5E-3
CB	RASNAK JEFF	4-R5-22.5
CC	STAUVER HAROLD L II	4-R5-2.4
CD	KLEEH JESSE J & ANDREA S	4-R5-63.1
CE	CRAFT JOSEPH W III FOUNDATION	4-R5-2.2
CF	CRAFT JOSEPH W III FOUNDATION	4-R5-22.2
CG	CRAFT JOSEPH W III FOUNDATION	4-R5-22.1
CH	TUNNEL RIDGE LLC	4-R5-21.2
CI	TUNNEL RIDGE LLC	4-R5-21.13
CJ	KRASEVEC RALPH J AND BEVERLY	4-R5-21.10
CK	KRASEVEC RALPH JAY	4-R5-21.11
CL	KRASEVEC RALPH J & BEVERLY A	4-R5-21.5
CM	KRASEVEC RALPH J & B A	4-R5-21.3
CN	HASELEU ELAINE M	4-R5-26
CO	TEMPLE STEPHANIE IRENE	4-R5-27
CP	MEANS CHRISTOPHER & JENNIFER	4-R5-30
CQ	MEANS CHRISTOPHER & JENNIFER	4-R5-30.6
CR	MEANS CHRISTOPHER & JENNIFER	4-R5-30.8
CS	TEMPLE STEPHANIE IRENE	4-R5-28
CT	TUNNEL RIDGE LLC	4-R5-40.5
CU	RICHE RONALD L & S L	4-R5-40.2
CV	RICHE RONALD L & SANDRA L	4-R5-40.6
CW	BOWMAN BETTY JO	4-R5-29
CX	KUCERA CARL J	4-R5-30.3
CY	THOMAS MARK S & CINDY K	4-R5-30.5
CZ	THOMAS MARK S & C K	4-R5-30.4
DA	MEANS CHRISTOPHER & JENNIFER	4-R5-30.7
DB	HERCULES RANDAL L & JILL M	4-R5-33.1
DC	TYRAS AMBER DAWN	4-R5-33
DD	HOWELL CLARENCE F AND DIANA M	4-R5-40.3
DE	BAKER TIMOTHY R	4-R5-39
DF	BRANCH ANTHONY J JR BRANCH TEXANNA	4-R5-38
DG	RICHE RONALD L & SANDRA L	4-R5-42.2
DH	RAPER JAMES	4-R5-41
DI	CRAFT JOSEPH W III FOUNDATION	4-R5-42.1
DJ	CRAFT JOSEPH W III FOUNDATION	4-R5-43
DK	CRAFT JOSEPH W III FOUNDATION	4-R5-40

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
DL	CRAFT JOSEPH III FOUNDATION	4-R8-71
DM	CRAFT JOSEPH W III FOUNDATION	4-R8-3.1
DN	CRAFT JOSEPH W III FOUNDATION	4-R8-5
DO	HERCULES ROBERT D & PATSY G	4-R8K-113
DP	HERCULES ROBERT D & P G	4-R8K-103
DQ	BOZENSKE B H AND OKELLEY K J	4-R8K-104
DR	REED ELMER & JOY	4-R8K-105
DS	REED ELMER K & J D	4-R8K-106
DT	FRAGALE ELAINE & SPEAKER KURT	4-R8K-107
DU	OCHAP EUGENE F & DENISE R	4-R8K-108
DV	OCHAP EUGENE F & D R	4-R8K-109
DW	MCGEE JOHN M	4-R8P-17
DX	GAYDA DONALD P	4-R8P-18
DY	BOND CHARLES R	4-R8K-110
DZ	SCHWERTFEGER TYLER S	4-R8K-111
EA	SCHWERTFEGER TYLER S	4-R8K-112
EB	WILSON RAY B & ANN M	4-R8-62.7
EC	MILLARD BRITTANY LYNN	4-R8-62.6
ED	MULDREW DAVID R & KAREN	4-R8K-101
EE	TAYLOR DELORA L - TOD	4-R8K-100
EF	SOBOTA SUSAN J	4-R8-62.3
EG	WRIGHT JOHN T & MELINDA L	4-R8P-11
EH	SUTTON JACQUELINE M	4-R8Q-10
EI	DAGUE AMY D	4-R8Q-11
EJ	KURNER DALE E & B J	4-R8Q-12
EK	WHEELER JOLLY W JR & K M	4-R8Q-14
EL	TAROVISKY FRANK J & S R - TOD	4-R8Q-28
EM	TOMASIK PAULA J & EDWARD C	4-R8Q-3
EN	TERAMANA RUSSELL & ROSEANN	4-R8Q-2
EO	HUFFMAN KENDRA L & RALPH J	4-R8Q-60
EP	SANDCREST FOUNDATION INC	4-R11-15
EQ	KRASEVEC RALPH J	4-R5-42
ER	WHEELING POWER CO WHEELING ELECTRIC CO	4-R8-63.1
ES	MAJEWSKI KASMIR MAJEWSKI EDWARD A	4-R8-62.2
ET	MAJEWSKI KASMIR MAJEWSKI EDWARD A	4-R8-62.8
EU	WEAVER SHIRLEY M	4-R8P-2

4706900531 09/16/2022

REVISIONS:	COMPANY: SWN Production Company, LLC		DATE: 07-14-2022	
	OPERATOR'S: FRANZ THOMAN OHI		API NO: 47-069-XXXXX	
	WELL #: 401H		DRAWN BY: R.GRIMES	
	DISTRICT: RICHLAND	COUNTY: OHIO	STATE: WV	SCALE: N/A
				DRAWING NO: 2018-781
				WELL LOCATION PLAT