

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

9,773'

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

5,511'



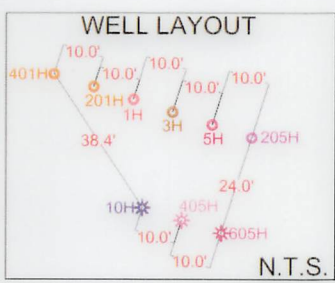
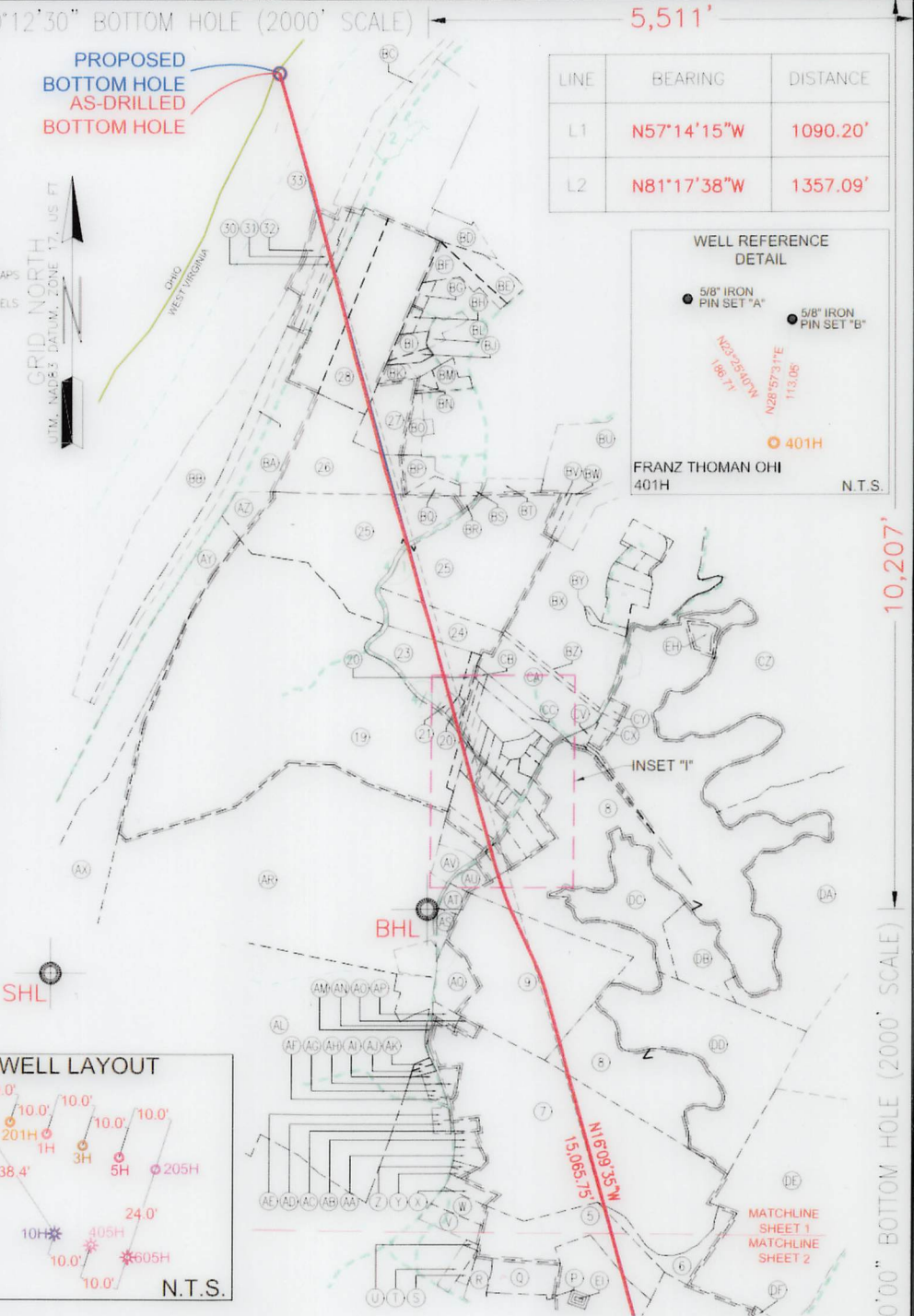
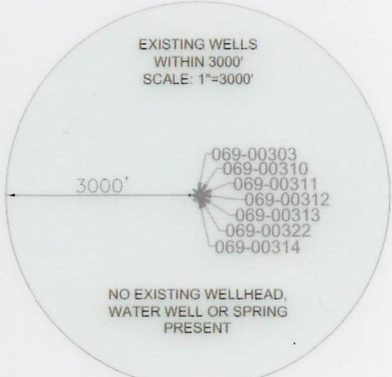
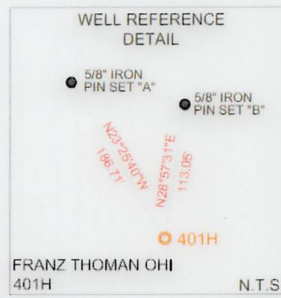
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

NOTES ON SURVEY

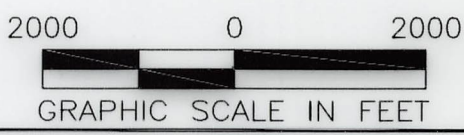
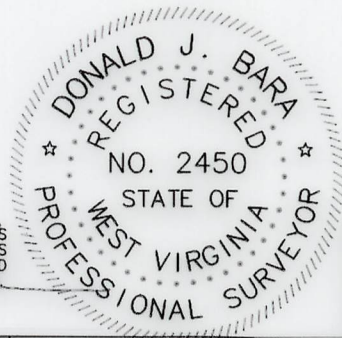
- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT 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.

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

LINE	BEARING	DISTANCE
L1	N57°14'15"W	1090.20'
L2	N81°17'38"W	1357.09'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4442990.33 EASTING: 528966.89
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4443437.68 EASTING: 528064.87
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4447824.64 EASTING: 526713.70
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: 4447825.07 EASTING: 526714.73



COMPANY: **SWN** Production Company, LLC

FRANZ THOMAN OHI
OPERATOR'S WELL #: 401H
API WELL #: 47 STATE 069 COUNTY 00351 PERMIT

(+) 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)

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

WATERSHED: UPPER OHIO SOUTH
DISTRICT: RICHLAND COUNTY: OHIO
SURFACE OWNER: FRANZ THOMAN
OIL & GAS ROYALTY OWNER: FRANZ THOMAN

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** 02/09/2024

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,856' TVD 22,186' 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	ACCESS ROAD
EXISTING / PRODUCING WELLHEAD	PUBLIC ROAD
EXISTING LANDING POINT LOCATION	FLOOD PLAN
PROPOSED SURFACE HOLE / BOTTOM HOLE	LEASE BOUNDARY
PROPOSED LANDING POINT LOCATION	AS-DRILLED PATH
	PROPOSED PATH

REVISIONS:

DATE: 06-26-2023
API NO: 47-069-00351
DRAWN BY: Z.WOOD
SCALE: 1" = 2000'
DRAWING NO: 2018-781
WELL LOCATION PLAT

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

9,773'

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

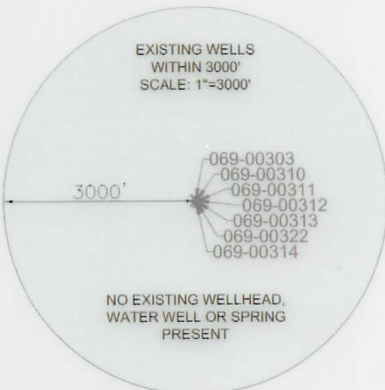
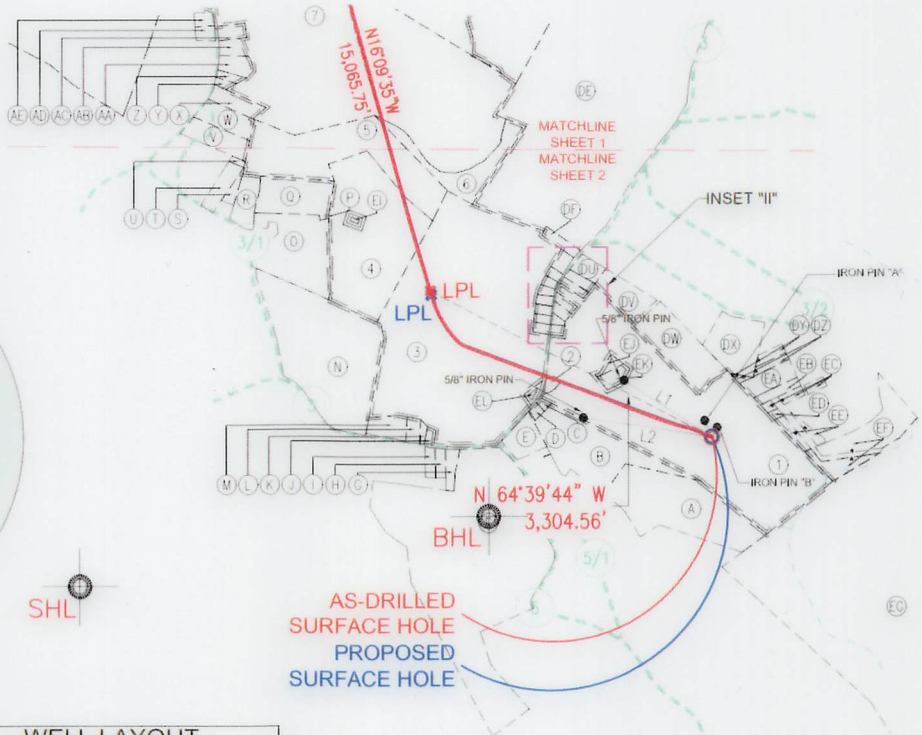
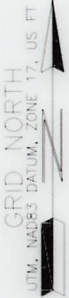
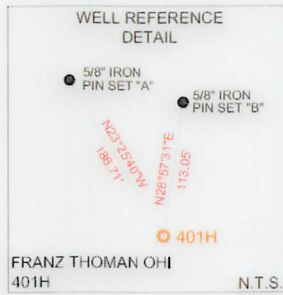
5,511'



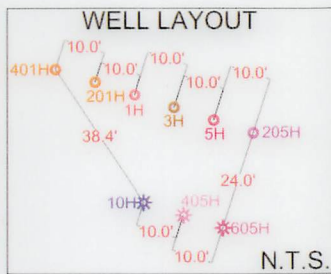
68011 Vineyard Road
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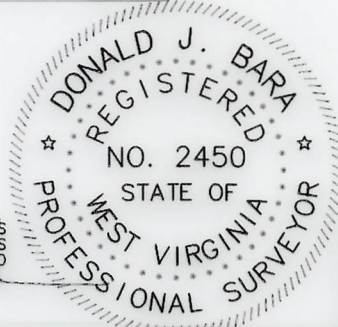
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2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO 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.
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L2	N81°17'38"W	1357.09'



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

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	FRANZ THOMAN OHI
	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 #: 401H API WELL #: 47 069 00351 STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,137.4'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE, OH-WV

SURFACE OWNER: FRANZ THOMAN ACREAGE: ±69.418

OIL & GAS ROYALTY OWNER: FRANZ THOMAN ACREAGE: ±69.418

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 02/09/2024

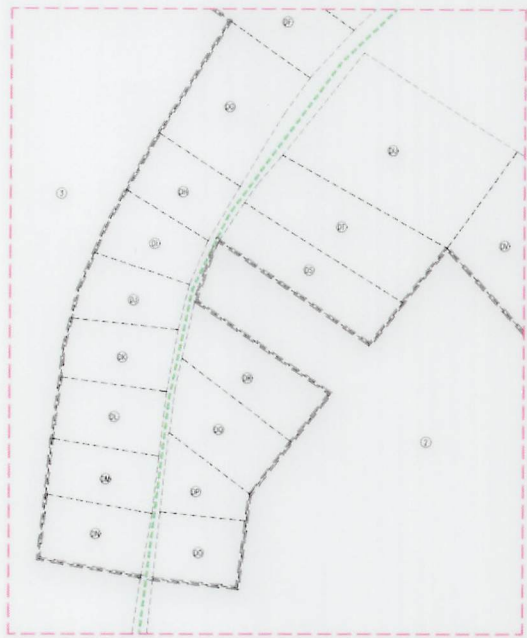
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CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE: 06-26-2023
EXISTING BOTTOM HOLE	ACCESS ROAD	API NO: 47-069-00351
EXISTING / PRODUCING WELLHEAD	PUBLIC ROAD	DRAWN BY: Z.WOOD
EXISTING LANDING POINT LOCATION	FLOOD PLAIN	SCALE: 1" = 2000'
PROPOSED SURFACE HOLE / BOTTOM HOLE	LEASE BOUNDARY	DRAWING NO: 2018-781
PROPOSED LANDING POINT LOCATION	AS-DRILLED PATH	WELL LOCATION PLAT
	PROPOSED PATH	



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	KLEMM RICHARD A & J E	4-R5-36.1
11	ANTLEY MARK R & ELLIE	4-R5-36.2
12	BARTLETT RICHARD C	4-R5-36
13	OLEJASZ JOSEPH R JR	4-R5-35
14	OLEJASZ JOSEPH R JR	4-R5-34
15	RICHARDSON RUTH - LE	4-R5-32.1
16	STATE OF WEST VIRGINIA, DIVISION OF HIGHWAYS	COUNTY ROAD 4/1
17	RICHARDSON BRIAN D	4-R5-32.3
18	BOYD ROBERT JEFFREY & CHERYL L	4-R5-24
19	HEART 2 HEART VOLUNTEERS INC	4-R4-5
20	HASELEU ELAINE M	4-R5-25
21	HASELEU ELAINE	4-R5-23.1
22	BEEVER MICHAEL E & P A	4-R5-23.3
23	BUCK THOMAS E & TERRI D	4-R5-23
24	ESTEP JOHN L	4-R5-22.4
25	PLUMBY SARA, JULIE KLEIN & JUDITH PATTI	4-R5-22
26	DUNAWAY DONALD R & DONALD W	4-R4-2.5
27	RIEDEL MICHAEL J & BRENDA J	4-R5-2.18
28	CRAFT JOSEPH W III FOUNDATION	4-R4-4
29	CRAFT JOSEPH W III FOUNDATION	04-00R4-9999-9999B
30	CRAFT JOSEPH W III FOUNDATION	4-R1-2
31	CRAFT JOSEPH W III FOUNDATION	4-R1-1.1
32	CRAFT JOSEPH W III FOUNDATION	4-R4-3
33	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

02/09/2024

REVISIONS:

COMPANY:

SWN
Production Company, LLC

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



OPERATOR'S: FRANZ THOMAN OHI
WELL #: 401H

DATE: 06-26-2023
API NO: 47-069-00351
DRAWN BY: Z.WOOD
SCALE: N/A
DRAWING NO: 2018-781
WELL LOCATION PLAT

DISTRICT: RICHLAND COUNTY: OHIO STATE: WV

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
AQ	SCHUETZ EBBIE JOSEPH & JOY	4-R8-3	DL	OCHAP EUGENE F & DENISE R	4-R8K-108
AR	MCCLURE WM H & MARG A	4-R4-7	DM	OCHAP EUGENE F & D R	4-R8K-109
AS	HABERFIELD WAYNE K & D A	4-R8-1	DN	MCGEE JOHN M	4-R8P-17
AT	SCHELL RICHARD A & N	4-R8-1.1	DO	GAYDA DONALD P	4-R8P-18
AU	WEIGAND PAUL & REBECCA FAMILY TRUST	4-R5-40.1	DP	BOND CHARLES R	4-R8K-110
AV	PAVELICH-SWIGER SHERRI J PAVELICH JEFFREY M	4-R5-35.1	DQ	SCHWERTFEGER TYLER S	4-R8K-111
AW	KUCERA CARL J & SHARON L	4-R5-35.2	DR	SCHWERTFEGER TYLER S	4-R8K-112
AX	DONOHEW WILLIAM SCOTT & LAURA	4-R4-2.4	DS	WILSON RAY B & ANN M	4-R8-62.7
AY	DONOHEW WILLIAM S & LAURA	04-00R4-9999-9999E	DT	MILLARD BRITTANY LYNN	4-R8-62.6
AZ	KLIEN JULIE B; PATTI JUDITH A; PLUMBY SARA L	04-00R4-9999-9999D	DU	MULDREW DAVID R & KAREN	4-R8K-101
BA	TUNNEL RIDGE LLC	4-R4-2.3	DV	TAYLOR DELORA L - TOD	4-R8K-100
BB	TUNNEL RIDGE LLC	4-R4-2	DW	SOBOTA SUSAN J	4-R8-62.3
BC	TUNNEL RIDGE LLC	4-R2-21	DX	WRIGHT JOHN T & MELINDA L	4-R8P-11
BD	TUNNEL RIDGE LLC	4-R5-69	DY	SUTTON JACQUELINE M	4-R8Q-10
BE	WILSON RYAN T & MIDCAP SAMANTHA R	4-R5-2.3	DZ	DAGUE AMY D	4-R8Q-11
BF	RUSSELL CINDY L & JAMES F	4-R5-2.13	EA	KURNER DALE E & B J	4-R8Q-12
BG	LANOS JOHN & GOLDIE	4-R5-2.33	EB	WHEELER JOLLY W JR & K M	4-R8Q-14
BH	LARESE MARK C & JEAN ANN	4-R5-2.39	EC	TAROVISKY FRANK J & S R - TOD	4-R8Q-28
BI	GAUS BRYAN R & DANIELLE L	4-R5-2.47	ED	TOMASIK PAULA J & EDWARD C	4-R8Q-3
BJ	CUPP KELLEY J	4-R5-2.51	EE	TERAMANA RUSSELL & ROSEANN	4-R8Q-2
BK	RIEDEL MICHAEL J & BRENDA J	4-R5-2.64	EF	HUFFMAN KENDRA L & RALPH J	4-R8Q-60
BL	WILKINSON KATHRYN E - TOD	4-R5-2.17	EG	SANDCREST FOUNDATION INC	4-R11-15
BM	FLUHARTY DOUGLAS W	4-R5-2.21	EH	KRASEVEC RALPH J	4-R5-42
BN	VOGRIN STEPHEN L & ERIN L	4-R5-2.57	EI	WHEELING POWER CO WHEELING ELECTRIC CO	4-R8-63.1
BO	RIEDEL MICHAEL J & BRENDA J	4-R5-2.19	EJ	MAJEWSKI KASMIR MAJEWSKI EDWARD A	4-R8-62.2
BP	DUNAWAY DONALD W	4-R5E-6	EK	MAJEWSKI KASMIR MAJEWSKI EDWARD A	4-R8-62.8
BQ	KREISER DWIGHT & KATHY	4-R5E-6.1	EL	WEAVER SHIRLEY M	4-R8P-2
BR	RASNAK JEFF	4-R5-22.5			
BS	STAUVER HAROLD L II	4-R5-2.4			
BT	KLEEH JESSE J & ANDREA S	4-R5-63.1			
BU	CRAFT JOSEPH W III FOUNDATION	4-R5-2.2			
BV	CRAFT JOSEPH W III FOUNDATION	4-R5-22.2			
BW	CRAFT JOSEPH W III FOUNDATION	4-R5-22.1			
BX	KRASEVEC RALPH J AND BEVERLY	4-R5-21.10			
BY	KRASEVEC RALPH JAY	4-R5-21.11			
BZ	KRASEVEC RALPH J & BEVERLY A	4-R5-21.5			
CA	KRASEVEC RALPH J & B A	4-R5-21.3			
CB	HASELEU ELAINE M	4-R5-26			
CC	RICHARDSON DANIEL	4-R5-26.2			
CD	RICHARDSON BRIAN D AND FLANEGAN CASEY K	4-R5-26.1			
CE	GRAY CINDY JO	4-R5-30.1			
CF	WEAR SETH A & BLAKELY REBECCA S	4-R5-30.2			
CG	THOMAS MARK S & C K	4-R5-30.4			
CH	EBERT FREDERICK ALAN	4-R5-32.2			
CI	ZIEGLER FRANCES A	4-R5-32			
CJ	ZIEGLER FRANCES A	4-R5-31			
CK	TYRAS AMBER DAWN	4-R5-33			
CL	MOUSER GREGORY	4-R5-37			
CM	BRANCH ANTHONY J JR BRANCH TEXANNA	4-R5-38			
CN	BAKER TIMOTHY R	4-R5-39			
CO	HOWELL CLARENCE F AND DIANA M	4-R5-40.3			
CP	MEANS CHRISTOPHER & JENNIFER	4-R5-30.7			
CQ	KUCERA CARL J	4-R5-30.3			
CR	BOWMAN BETTY JO	4-R5-29			
CS	TEMPLE STEPHANIE IRENE	4-R5-27			
CT	TEMPLE STEPHANIE IRENE	4-R5-27			
CU	TUNNEL RIDGE LLC	4-R5-40.5			
CV	RICHIE RONALD L & S L	4-R5-40.2			
CW	RICHIE RONALD L & SANDRA L	4-R5-40.6			
CX	RICHIE RONALD L & SANDRA L	4-R5-42.2			
CY	RAPER JAMES	4-R5-41			
CZ	CRAFT JOSEPH W III FOUNDATION	4-R5-42.1			
DA	CRAFT JOSEPH W III FOUNDATION	4-R5-43			
DB	CRAFT JOSEPH III FOUNDATION	4-R8-71			
DC	CRAFT JOSEPH W III FOUNDATION	4-R5-40			
DD	CRAFT JOSEPH W III FOUNDATION	4-R8-3.1			
DE	CRAFT JOSEPH W III FOUNDATION	4-R8-5			
DF	HERCULES ROBERT D & PATSY G	4-R8K-113			
DG	HERCULES ROBERT D & P G	4-R8K-103			
DH	BOZENSKA B H AND OKELLEY K J	4-R8K-104			
DI	REED ELMER & JOY	4-R8K-105			
DJ	REED ELMER K & J D	4-R8K-106			
DK	FRAGALE ELAINE & SPEAKER KURT	4-R8K-107			

02/09/2024

REVISIONS:	COMPANY: 			
	OPERATOR'S: FRANZ THOMAN OHI		DATE: 06-26-2023	
	WELL #: 401H		API NO: 47-069-00351	
	DISTRICT: RICHLAND	COUNTY: OHIO	STATE: WV	DRAWN BY: Z.WOOD
				SCALE: N/A
				DRAWING NO: 2018-781
				WELL LOCATION PLAT