

LATITUDE: 40°22'30" SURFACE HOLE (2000' SCALE)

7785'

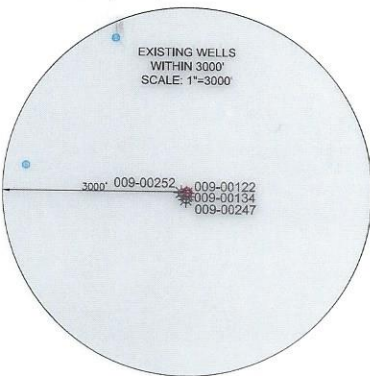
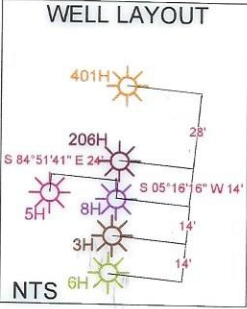
LATITUDE: 40°25'00" BOTTOM HOLE (2000' SCALE)

6613'



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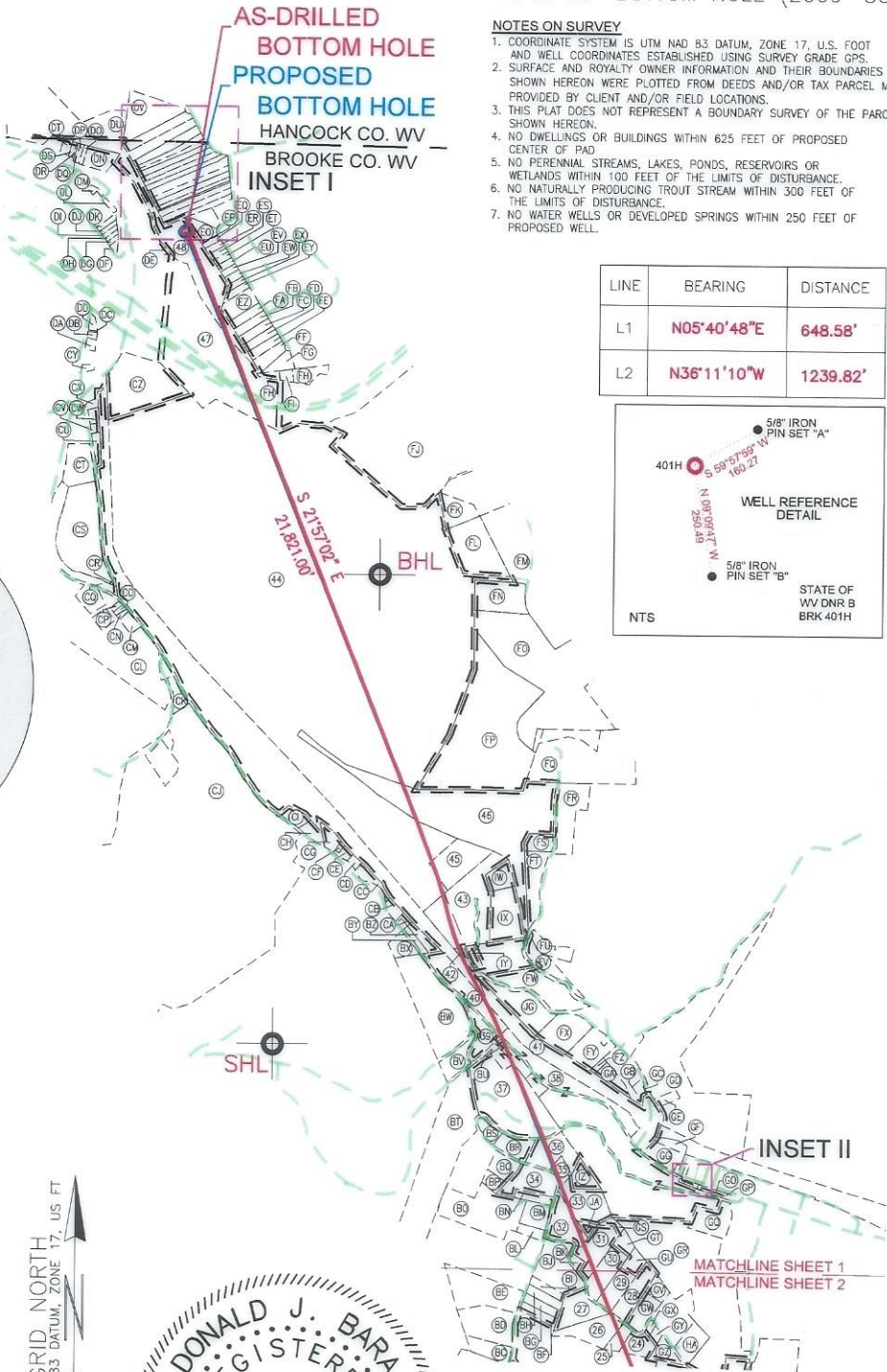
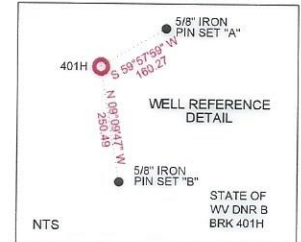
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



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.

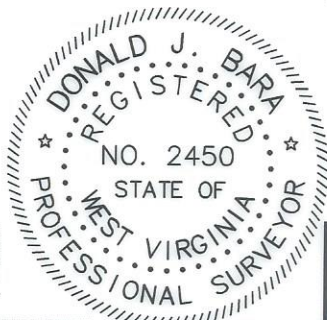
LINE	BEARING	DISTANCE
L1	N05°40'48"E	648.58'
L2	N36°11'10"W	1239.82'



LONGITUDE: 80°32'30" BOTTOM HOLE (2000' SCALE)

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

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465712.12 EASTING: 540110.62
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465786.46 EASTING: 539483.41
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4471910.30 EASTING: 536895.14
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465712.15 EASTING: 540110.53
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465715.51 EASTING: 539511.54
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4471906.88 EASTING: 536886.69



GRAPHIC SCALE IN FEET

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

(+) 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 ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	STATE OF WV DNR B BRK OPERATOR'S WELL #: 401H API WELL #: 47 009 00333 STATE COUNTY PERMIT
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO NORTH ELEVATION: 1201.3'

DISTRICT: CROSS CREEK COUNTY: BROOKE/OHIO QUADRANGLE: STEUBENVILLE EAST

SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR ACREAGE: ±169.43

OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR ACREAGE: ±169.43

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,664' TVD 28,466' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: BRITTANY WOODY
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: ● EXISTING BOTTOM HOLE ☼ EXISTING / PRODUCING WELL-HEAD LPL ● EXISTING LANDING POINT LOCATION ● PROPOSED SURFACE HOLE / BOTTOM HOLE LPL ● PROPOSED LANDING POINT LOCATION — ACCESS ROAD — PUBLIC ROAD — FLOOD PLAIN — LEASE BOUNDARY — AS-DRILLED PATH — PROPOSED PATH	REVISIONS: DATE: 05-31-2023 API NO: 47-009-00333 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-541 WELL LOCATION PLAT
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LATITUDE: 40°22'30" SURFACE HOLE (2000' SCALE)

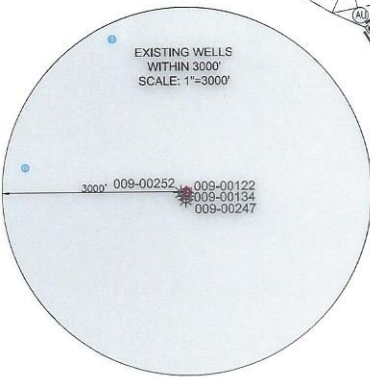
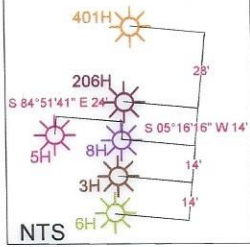
LATITUDE: 40°25'00" BOTTOM HOLE (2000' SCALE)



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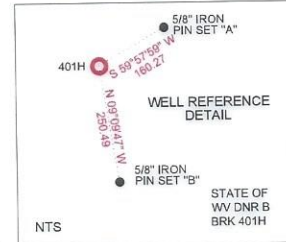
WELL LAYOUT



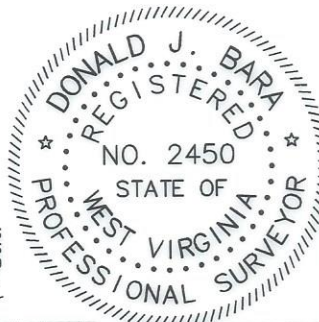
NOTES ON SURVEY

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LINE	BEARING	DISTANCE
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SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4465712.12 EASTING: 540110.62
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BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4471906.88 EASTING: 536886.69



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

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	STATE OF WV DNR B BRK
	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 401H	API WELL #: 47 009 00333

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

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SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR ACREAGE: ±169.43

OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR ACREAGE: ±169.43

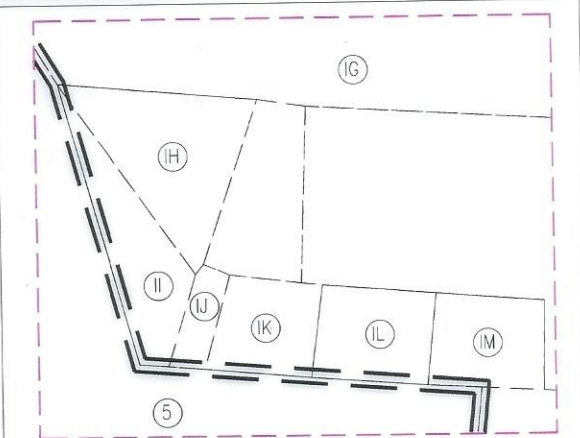
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CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,664' TVD 28,466' TMD

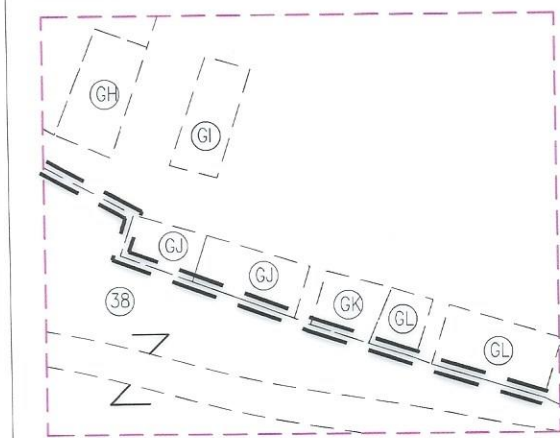
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: ● 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 — AS DRILLED PATH - - - PROPOSED PATH	REVISIONS: DATE: 05-31-2023 API NO: 47-009-00333 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-541 WELL LOCATION PLAT
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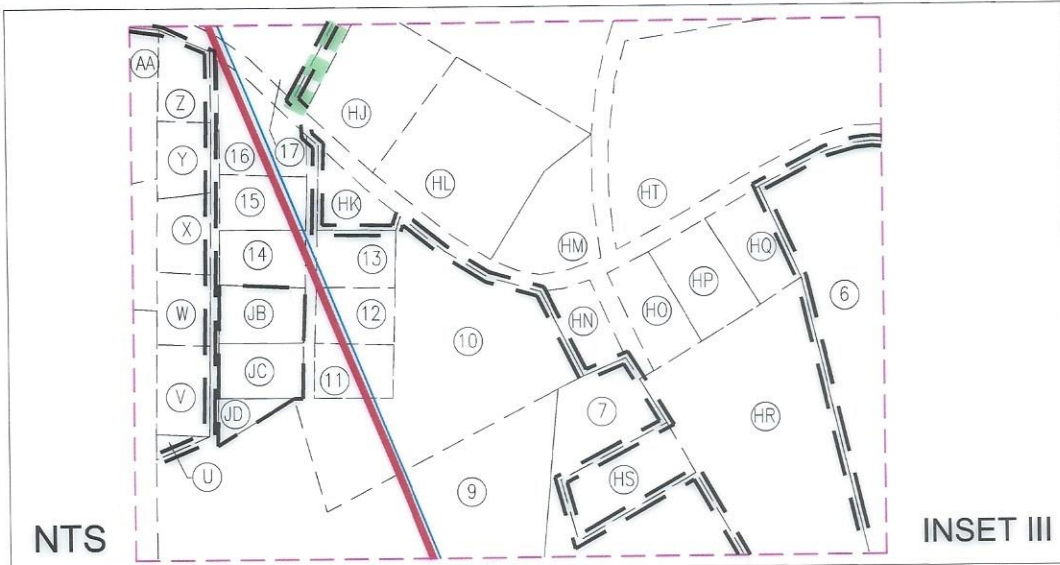
NTS

INSET IV



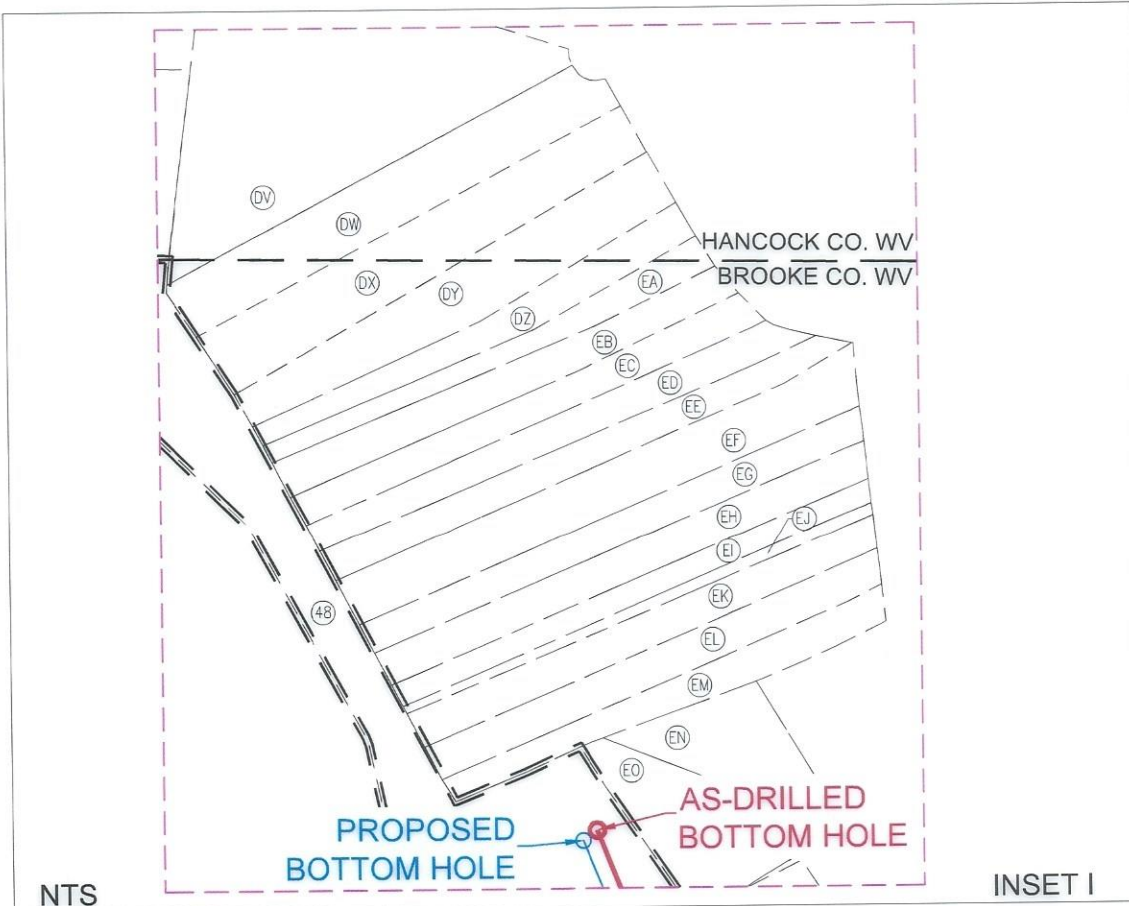
NTS

INSET II



NTS

INSET III



NTS

INSET I

REVISIONS:



COMPANY:					
OPERATOR'S		STATE OF WV DNR B BRK			
WELL #:		401H			
DISTRICT:	CROSS CREEK	COUNTY:	BROOKE/OHIO	STATE:	WV
DATE:		05-31-2023		API NO: 47-009-00333	
DRAWN BY:		Z. WOOD			
SCALE:		N/A			
DRAWING NO:		2017-541			
WELL LOCATION PLAT					

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	TRACT	SURFACE OWNER	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)	4-CC16-19	A	MCDERMITT ARTHUR C JR,	380-8-7-1
			B	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-22
			C	ST OF WV BUREAU OF COMM-DNR PUBLIC LAND CORP	4-CC16-23.1
			D	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-20
			E	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-21
			F	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD	4-CC16-11
2	TICE DANNY D & MARCIA (SURV)	4-CC16-16	G	PAULES DONNA K	4-CC16-14
3	FAMILY CONNECTIONS INC	4-CC16-26	H	CUNNINGHAM TIMOTHY BRIAN	4-CC16-15
4	SUTER ARISSA M; COCHRAN KENNETH A (SURV)	4-CC16-27	I	MOLNAR DENNIS SR & DENNIS JR	4-CC16-13
5	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-54.1	J	MOLNAR DENNIS SR & DENNIS JR	4-CC16-13
6	LANTZ SUSAN PORCH	4-C12J-28	K	HOOPER TIMOTHY S & STACY (SURV)	4-CC12-54
7	DENNIS TAWNIA R	4-C12J-33	L	TENNANT WILLIAM J & APRIL L (JTWS)	4-CC16-34
8	DENNIS TAWNIA R	4-C12J-42	M	ABATE ALICIA F	4-CC16-30
9	TRUEX MARK	4-C12J-41	N	STECIK KIRK & BRANDY L JTWS	4-CC16-29
10	TRUEX MARK	4-C12J-36	O	WILLS KENNETH 1/3 WILLS TED 1/3 ELLERY DONNA 1/3	4-CC16-33
11	RICHMOND TRACY S	4-C12J-40	P	VANCAMP NEIL E JR & MICHELLE L (SURV)	4-CC16-28
12	YANDRICH PATRICIA ANN	4-C12J-39	Q	MAROSI PAUL	4-CC16-1
13	MCCLAIN RONALD W & TAMMY	4-C12J-38	R	IVILL LIVING TRUST CHERYL TRUSTEE	4-C115-58
14	SMITH DANIEL LOUIS & JUDITH ANN	4-C12J-46	S	DENNIS TAWNIA R	4-CC12-62
15	CEBULA NICHOLAS; DEBORAH L (SURV)	4-C12J-47	T	PETREL IRREV TRUST 7/25/13 PETREL NANCY, TRUSTEE	4-C11M-34
16	LEE DOUGLAS; HEADMOND DANA M (SURV)	4-C12J-48	U	PETROSKY STANLEY L & SANDRA M (SURV) (TUD)	4-C12J-54
17	CAPRAROSE ANDREW W	4-C12J-5	V	PETROSKY STANLEY & SANDRA M (SURV) (TUD)	4-C12J-53
18	EVANS BRAD A & MELISSA JO (SURV)	4-C12J-4	W	PETROSKY STANLEY & SANDRA M (SURV) (TUD)	4-C12J-52
19	KEISTER PHILLIP DANIEL; DAVID LEE (LE-JUDY KEISTER)	4-C12J-3	X	SNATCHKO JOHN & CARRIE (SURV)	4-C12J-51
20	SECRET MARK C JR & MARY E (SURV)	4-C11M-5	Y	DIVENANZO FRANCO	4-C12J-50
21	PETREL IRREVOCABLE TR AGREE DTD 7/25/13	4-CC12-5	Z	STEVENS STEFANIE & SANDRETH CODY (SURV)	4-C12J-49
22	FREESTAR ENERGY GROUP	4-CC11-78	AA	KERNS JAMES M	4-C12J-57
23	MCCASLAND JEFFREY PAUL & NANCY DARLENE	4-CC11-79	AB	REMOVED	REMOVED
24	MUSICO LARA DONNA;MOTT APRYL DAWN (LE-JOSEPH MUSICO)	4-CC11-72	AC	MCLAUGHLIN KENNETH J JR AMY M (SURV)	4-C12J-1
25	BENNETT CARLETON-1/2 WINLAND DONNA;BENNET EARL;	4-CC11-71	AD	CAIN GLENN JR & VALERIE C (SURV)	4-C11M-12
26	TOMES DEBBIE	4-CC75-17	AE	GASTON LARRY J & TINA C DINIACO GASTON (SURV)	4-C11M-11
27	DULANEY CARL G JR	4-CC75-16	AF	REALE MICHAEL N	4-C11M-5.2
28	DOAK BRIAN R	4-CC75-24	AG	REALE MICHAEL N	4-C11M-10
29	DULANEY CARL G JR	4-CC75-25	AH	MESTER LUKE A	4-C11M-9
30	DULANEY CARL G JR	4-CC75-27	AI	MESTER LUKE A	4-C11M-8
31	DAVIS ROBERT E & SHARON (SURV)	4-CC75-15	AJ	GRIMM STEPHEN R & TAMERA K	4-C11M-7
32	DAVIS ROBERT E & SHARON E (SURV)	4-CC75-30	AK	GRIMM STEPHEN R & TAMERA K (SURV)	4-C11M-6
33	KIMBALL KENNETH L & RICHARD E (JTWS)	4-CC75-31	AL	LATIMER ROBERT S	4-C11M-23
34	MAASKANT BELINDA; RICHTER STEVEN	4-CC75-2	AM	LEMASTERS MARY L	4-C11M-24
35	KIMBALL KENNETH L & APRIL L (SURV)	4-CC75-33	AN	CONN ROBERT W	4-C11M-5.1
36	KIMBALL KENNETH & APRIL L	4-CC75-34	AO	RAHR JAMES W	4-C11M-26
37	BROWNING DAVID S & LORI L	4-CC7-28	AP	MCVICKER MATTHEW A & ASHLEY G (JTWS)	4-C11M-27
38	VALERO ENER SERV LLC	4-CC7-27	AQ	GOURLEY GERALD E	4-C11M-4
39	METALICO COLLIERIES REALTY INC A WV CORP	4-CC7-31.1	AR	ST JOHNS EPISCOPAL CHURCH	4-C11M-3
40	APERFINE JOSEPH P SR	4-CC7-31.2	AS	OLDE ST JOHN'S EPISCOPAL CHURCH, TRUSTEES OF	4-C11M-5.3
41	WV STATE RAIL AUTHORITY	6-W8-48	AT	SECRET MARK C JR & MARY E JTWS	4-C11M-1
42	STARVAGGI INDUSTRIES	6-W7-12	AU	LIZON MELISSA MAY	4-CC11-85
43	BOYER (COOK) ELIZABETH; SCHILL APRIL (SURV)	6-W7-3	AV	GRIFFITH SUSAN BETH MCBRIDE & MCBRIDE WYLIE JR	4-CC11-83
44	BROWNLEE LAND VENTURES LP	6-W3-4	AW	JONES DUANE W	4-CC11-65.1
45	TESLOVICH BRIAN	6-W7-2	AX	VIRTUE DANIEL R & DIANE (SURV)	4-CC11-66
46	HVIZDAK GEORGE D	6-W7-21	AY	VIRTUE DANIEL R & DIANE L (SURV)	4-CC11-67
47	STATE OF WEST VIRGINIA, DIVISION OF HIGHWAYS	US ROUTE 22	AZ	LYONS JEFFREY C CASEY L (JTWS)	4-CC11-68
48	STARVAGGI INDUSTRIES	6-W3F-47	BA	HARRIS DONALD E & LOIS J (SURVIVORSHIP)	4-CC11-69
49	KERNS ROBERT L JR (LE-PEGGY A STILLWELL)	4-C12J-2	BB	WORSTELL WALTER L & JAMES L (SURV)	4-CC11-79.1
			BC	KNOX JEFF	4-CC11-96
			BD	STILLSON ROSEMARY	4-CC75-10
			BE	UNDERWOOD JOSEPH D	4-CC75-9
			BF	STROPE LOLA	4-CC75-11
			BG	VIRTUE DANIEL & DIANE (SURV)	4-CC75-12
			BH	LONG JASON R & JANET	4-CC75-13
			BI	LONG JASON R & JANET ANN	4-CC75-14
			BJ	DAVIS ROBERT E & SHARON (SURV)	4-CC75-15
			BK	SLOSS RAYMOND T & VERONICA K (SURV)	4-CC75-29
			BL	DULANEY CARL G	4-CC75-4
			BM	STEWART THOMAS A	4-CC75-4.1

REVISIONS:	

COMPANY:		 	
OPERATOR'S		STATE OF WV DNR B BRK	
WELL #:		401H	
DISTRICT:	COUNTY:	STATE:	DATE:
CROSS CREEK	BROOKE/OHIO	WV	05-31-2023
			API NO: 47-009-00333
			DRAWN BY: Z. WOOD
			SCALE: N/A
			DRAWING NO: 2017-541
			WELL LOCATION PLAT

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
BN	RICHTER MILDRED	4-CC75-3	EA	KARAVOLOS MIKE J & NANCY J (JTWS)	6-W3F-67
BO	HOFF LYNN E (LE-JANET CESSNA)	4-CC75-5.1	EB	GUGLIELMO EUGENE J	6-W3F-66
BP	DADOUSH MEIR & KIMBERLY AKA LAWVER KIMBERLY (JTWS)	4-CC75-1.1	EC	BARTLETT CHRISTINE M ET AL (L EST-LOUIS BRUNO JR)	6-W3F-65
BQ	DADOUSH MEIR & LAWVER DADOUSH KIMBERLY (JTWS)	4-CC75-1	ED	BARTLETT CHRISTINE M ET AL (LE-LOUIS BRUNO JR)	6-W3F-64
BR	BALLATO ROSS L & NANCY C	4-CC75-35	EE	BARTLETT CHRISTINE M ET AL (L EST-LOUIS BRUNO JR)	6-W3F-63
BS	BALLATO ROSS L & NANCY C	4-CC7-29	EF	SMITH EDDIE LEE (LC-SMITH SHAWN & BEVERLY)	6-W3F-62
BT	WESLEY LLC	4-CC7-105	EG	VUILLER DEBORA K	6-W3F-61
BU	HFS LIMITED LIABILITY COMPANY	4-CC7-113	EH	DAVIS ARTHUR R	6-W3F-60
BV	WESLEY LLC	4-CC7-31	EI	GLOVER FAMILY IRREVOCABLE TR 10/30/03 TRUS REBECCA	6-W3F-59
BW	WESLEY LLC	4-CC7-31	EJ	GLOVER FAMILY IRREVOCABLE TR 10/30/09 TRUS REBECCA	6-W3F-58
BX	HUMES JOHN F III & BONNIE J JTWS	4-CC7-23	EK	ANDERSON PAUL ORANGE0 JULIA (SURV)	6-W3G-44
BY	HUMES JOHN F III & BONNIE J JTWS	4-CC7-23	EL	PENARANDA MELANIE ANN	6-W3G-45
BZ	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-3	EM	ROBERTSON EVELYN	6-W3G-46
CA	YOST EVA MARIE REED MELISSA E	4-CC7-22	EN	YENCHOCHIC THOMAS G & MARGARET	6-W3F-55
CB	YOST EVA MARIE REED MELISSA E	4-CC7-20	EO	CUNNINGHAM DONALD C ET AL LE-ROSE ANN CUNNINGHAM	6-W3F-54
CC	BROOKE COUNTY COMMISSION	4-CC7-19	EP	EWUSIAK KEVIN	6-W3F-51
CD	BROOKE COUNTY COMMISSION	4-CC7-18	EQ	EWUSIAK KEVIN	6-W3F-50
CE	TAYLOR GARY R	4-CC7-17	ER	JAROSZYNSKI NICHOLAS J	6-W3F-49
CF	TAYLOR GARY R	4-CC7-16	ES	LAPOSTA KEVAN & CHELSEA (JTWS)	6-W3F-48
CG	TAYLOR GARY R	4-CC7-15	ET	BANE CLAYTON MARCHANT & JOANNE	6-W3G-53
CH	CHAMP RANDALL & CRYSTAL	4-CC7-14	EU	MAKRICOSTAS PROPERTIES LLC	6-W3L-1
CI	GREEN ACRES LLC 1975 HARMON CK RD	4-CC7-13	EV	MORGAN JOHN & SUSAN (JTWS)	6-W3L-2
CJ	PETRELLI BEVERLY GAIL	4-CC7-10	EW	HAIJOANNAOU CONSTANTIA	6-W3L-3
CK	M B INVESTMENTS	4-CC7-7	EX	SAUER JAMES T & ERICA M (SURV) JTWS	6-W3L-4
CL	PETRELLI BEVERLY GAIL	4-CC7-10	EY	MILLER ARTHUR G & JEANETTE	6-W3L-5
CM	CHIODI DOMENIC J & SUE A (SURV)	4-CC7-6	EZ	KAKASCIK THOMAS F & MARY (SURV)	6-W3L-6
CN	CHIODI DOMINIC JOE & SUE ANN (SURV)	4-CC7-5	FA	HIRKALA JAMES F & BARBARA J (SURV)	6-W3L-7
CO	CHIODI SUE ANN DODD SANDRA JEAN	4-CC7-4	FB	RISOVICH FREDERICK A & ALAINA M (JTWS)	6-W3L-8
CP	KIMBALL MITCHELL DALE & DEBORAH SUE (SURV)	4-CC7-3	FC	PLACEK 2015 LIVING TRUST	6-W3L-9
CQ	PETRELLI BEVERLY GAIL	4-CC7-10	FD	SPENCER STEPHEN PAUL	6-W3L-10
CR	MONTANA SKY LLC	4-CC3-37	FE	ZEIGLER JAMES M & CAROL VORHEES-ZEIGLER (SURV)	6-W3L-11
CS	PETRELLI BEVERLY GAIL	4-CC7-10	FF	HAULDREN RICHARD E & FRANCINE E	6-W3L-12
CT	DELONG CHARLES N & BARBARA G (SURV)	4-CC3-34	FG	ZAGULA BONNIE L	6-W3L-13
CU	DULANEY MICHAEL S & KAREN S; (SURV)	4-CC3-21	FH	WEIRTON CITY OF (PARK)	6-W3L-15
CV	MARTIN KRISTOPHER J & ERICKA N (SURV)	4-CC3-20	FI	ZAGULA BONNIE L	6-W3L-14
CW	MARTIN LOIS A	4-CC3K-36	FJ	MORELLI BROTHERS BLOCK & BRICK COMPANY INC	6-W3-7.6
CX	BRENNAN ROBERT JOHN & SHARON LYNN	4-CC3K-37	FK	MORELLI BROTHERS BLOCK & BRICK COMPANY INC	6-W3-4.1
CY	LEMAL JOSEPH JAMES	4-CC3K-38	FL	MORELLI BROTHERS BLOCK & BRICK COMPANY INC	6-W3-5.1
CZ	MORELLI BROTHERS BLOCK & BRICK COMPANY INC	6-W3-3	FM	MORELLI BROTHERS BLOCK & BRICK COMPANY INC	6-W3-7
DA	JAHN DIETER H	4-CC3K-41	FN	MORELLI BROTHERS BLOCK & BRICK COMPANY INC	6-W3-7.12
DB	PANHANDLE RAIL TRAIL ASSOCIATION OF WV INC	4-CC3K-40	FO	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-29
DC	WEIRTON BOARD OF PARKS & RECREATION COMMISSIONERS	4-CC3K-42.1	FP	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-28
DD	SAFARI OUTDOOR ADVERTISING INC	4-CC3K-43	FQ	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-18
DE	W VA DEPT OF HIGHWAYS	6-W3F-46	FR	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-15
DF	WEST VIRGINIA DIVISION OF HIGHWAYS	6-W3F-45	FS	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-22
DG	NORTHERN PANHANDLE SHRINER'S CLUB	6-W3F-44	FT	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-23
DH	NORTHERN PANHANDLE SHRINER'S CLUB	6-W3F-43	FU	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-6
DI	CHANZE CHESTER EUGENE & DONNA	6-W3F-42	FV	REED LARRY E	6-W7M-20
DJ	WEIRTON CITY OF	6-W3F-41	FW	REED LARRY E	6-W7M-20
DK	WEIRTON CITY OF	6-W3F-40	FX	STARGAZER LAND CONSERVANCY LLC	6-W7M-2
DL	HOLLEY CLINTON R & JESSICA (JTWS)	6-W3F-39	FY	REED LARRY E	6-W7M-20
DM	ICE MARK SR	6-W3F-31	FZ	SVOKAS NICK	6-W7M-3
DN	MCABEE MARY	6-W3F-70	GA	CRAIN JAMES R JR & PAMELA K (SURV)	6-W7M-6
DO	MCCOY JACK L	6-W3F-71	GB	NESSERROAD NIKKI (KNA) GEPHART NIKKI & RICHARD	6-W7M-13
DP	JUROSKO BRIAN S	6-W3F-72	GC	GEPHART RICHARD & NIKKI	6-W7M-21
DQ	JUROSKO BRIAN S	6-W3F-73	GD	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-12
DR	JUROSKO BRIAN S	6-W3F-74	GE	STEWART KENNETH R	6-W7M-15
DS	JUROSKO BRIAN S	6-W3F-75	GF	VALERO ENER SERV LLC	4-CC7-27
DT	KLEPACK MICHAEL J & CARLA M	6-W3F-76	GG	COLLIERS STATION LLC	4-CC75-36
DU	UNKNOWN	UNKNOWN	GH	FABIAN ROBERT J & DEBRA L	4-CC75-37
DV	WAGNER BENJAMIN K ET UX	6-W43P-67	GI	FABIAN ROBERT & DEBRA	4-CC75-38
DW	WAGNER BENJAMIN K ET UX	6-W43P-68	GJ	NAZARENE CHURCH OF COLLIERS	4-CC75-67
DX	GRAY COREY M	6-W43P-69	GK	NAZARENE CHURCH	4-CC75-66
DY	GUGLIELMO EUGENE (SURV)	6-W3F-69	GL	COLLIERS CHURCH OF THE NAZARENE TRUSTEES	4-CC75-65
DZ	HIGHLEY KEYSTONE TR 7/23/12 TRUS-MARTHA HIGHLEY	6-W3F-68	GM	DAVIS JEFFREY A	4-CC75-64

REVISIONS:				
	COMPANY:	STATE OF WV DNR B BRK		DATE: 05-31-2023
	OPERATOR'S	401H		API NO: 47-009-00333
	WELL #:			DRAWN BY: Z. WOOD
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	CROSS CREEK	BROOKE/OHIO	WV	DRAWING NO: 2017-541
				WELL LOCATION PLAT

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
GN	DAVIS JEFFREY A	4-CC75-63	JA	DAVIS ROBERT E & SHARON E	4-CC75-31.1
GO	DAVIS JEFFREY A	4-CC75-64	JB	PETROSKY STANLEY & SAUNDRA (SURV) (TUD)	4-C12J-45
GP	DAVIS JEFFREY A	4-CC75-63	JC	TAVERNE LISA M	4-C12J-44
GQ	ROBINSON FAMILY REV TRUST TRUS-ROBINSON WESLEY & EVELYN	4-CC75-68	JD	TAVERNE LISA M	4-C12J-43
GR	MERRIFIELD DONNA ROBINSON ROXANN L	4-CC8N-79.8	JE	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-18
GS	UNKNOWN	UNKNOWN	JF	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-17
GT	DULANEY CARL G JR	4-CC75-28	JG	REED LARRY E.	6-W7M-1
GU	DULANEY CARL G JR	4-CC75-26	JH	MCLAUGHLIN KENNETH J JR	4-C12J-1
GV	DOAK BRIAN R	4-CC75-21			
GW	TRUEX MARK LLOYD	4-CC75-23			
GX	MUSICO LARA DONNA;MOTT APRYL DAWN(LE-JOSEPH MUSICO)	4-CC11-99			
GY	GORAY DAVID ALLEN	4-CC11-73			
GZ	PERRONE JAMES & SHANAH S (SURV)	4-CC11-74			
HA	VINCENT CLINTON & CARLETTA	4-CC11-75			
HB	MERRIFIELD DONNA ROBINSON ROXANN L	4-CC12-10			
HC	SZYMANEK THOMAS J. PATE JOHN	4-CC11-78			
HD	SZYMANEK THOMAS J & PAMELA K (SURV)	4-CC12-61			
HE	RICE GEORGE SCOTT; MCGARY AMY JOY (SURV)	4-CC12-59			
HF	EVANS BRAD A & MELISSA J (SURV)	4-CC12-1			
HG	RIGGS CHARLES WILLIAM & MICHELLE LYNN (JTWS)	4-CC12-2			
HH	CAPRARESE ANDREW W	4-C12J-6			
HI	PETREL NANCY; DAVID;BRUCE WIRT LISA (LE-NANCY PETREL	4-C12J-11			
HJ	PETREL NANCY;DAVID;BRUCE WIRT LISA (LE-NANCY PETREL)	4-C12J-12			
HK	MCCLAIN RONALD WARD & TAMMY JTWS	4-C12J-37			
HL	PETREL NANCY;DAVID;BRUCE; WIRT LISA (LE-NANCY PETREL)	4-C12J-13			
HM	PETREL NANCY L;DAVID;BRUCE WERT LISA(LE-NANCY PETREL	4-C12J-14			
HN	TRUEX MARK L	4-C12J-35			
HO	HERMAN CHARLES M & MAGDALEN M	4-C12J-31			
HP	HERMAN CHARLES M & MAGDALEN M (SURVIVORSHIP)	4-C12J-30			
HQ	HERMAN CHARLES M & MAGDALEN M	4-C12J-29			
HR	SPERRINGER TODD ALLAN & MIRANDA 3BOYZ PROPMGMT JTWS	4-C12J-32			
HS	FORESTER DONALD D; TIMOTHY ETAL	4-C12J-34			
HT	COPENHAVER JACK L & MARJORIE C	4-C12J-59			
HU	LANTZ KEYSTONE TRUST 1/14/13 TRUS WILLIAM & CAROLYN LANTZ	4-C12J-27			
HV	LANTZ WILLIAM-40% LANTZ SUSAN PORCH-60%	4-C12J-26			
HW	MAVIRCH PHILLIP C	4-C12J-19			
HX	VAVRO DAVID A	4-C12J-20			
HY	COZAD DONALD L JR & LISA J (SURV)	4-C12J-22			
HZ	LANTZ KEYSTONE TRUST 1/14/13 TRUS-WM & CAROLYNN LANTZ	4-C12J-25			
IA	OLENICK JOSEPH JOHN & FRANCES ANN (SURV)	4-CC12-58			
IB	UNITED PRESBYTERIAN CHURCH OF TENT CHURCH ROAD	4-CC12-57			
IC	MORRIS GRACE A; ELAINE M (SURV) (TOD)	4-CC12-56			
ID	THOMAS RITA K	4-CC12-55			
IE	HOOPER TIMOTHY S & STACY (SURV)	4-CC12-54			
IF	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-53			
IG	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-52			
IH	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-48			
II	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-47			
IJ	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-46			
IK	LONGWELL DIANA LYNN & MARTY ROBBON	4-CC12-45			
IL	BUBECK PHILIP J	4-CC12-44			
IM	BUBECK BRIAN B & STEPHANIE J (SURV)	4-CC12-43			
IN	KUZMA NATHANAEL J AMY L(JTWS)	4-CC16-26.1			
IO	DODD GERALDINE	4-CC12-41			
IP	DODD PAUL C & DONNA A (JTWS)	4-CC12-40			
IQ	DODD PAUL C & DONNA A (JTWS)	4-CC12-39			
IR	DODD LARRY G SR & NORA LOU	4-CC12-38			
IS	THOMAS RITA K	4-CC12-55			
IT	MONROE ALLEN & JENNIFER (JTWS)	4-CC12-63			
IU	FRESHWATER MARGARET	4-C12K-80			
IV	HAMILTON DEBORAH JANE	4-C12K-78			
IW	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-24			
IX	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-25			
IY	GRANATO MICHAEL; REASBECK AMY M (SURV)	6-W7-30			
IZ	KIMBALL KENNETH L & APRIL L (SURV)	4-CC75-32			

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R₂}/_A ^{V⁺}/₀
Production Company™

OPERATOR'S STATE OF WV DNR B BRK

WELL #: 401H

DISTRICT:
CROSS CREEK

COUNTY:
BROOKE/OHIO

STATE:
WV

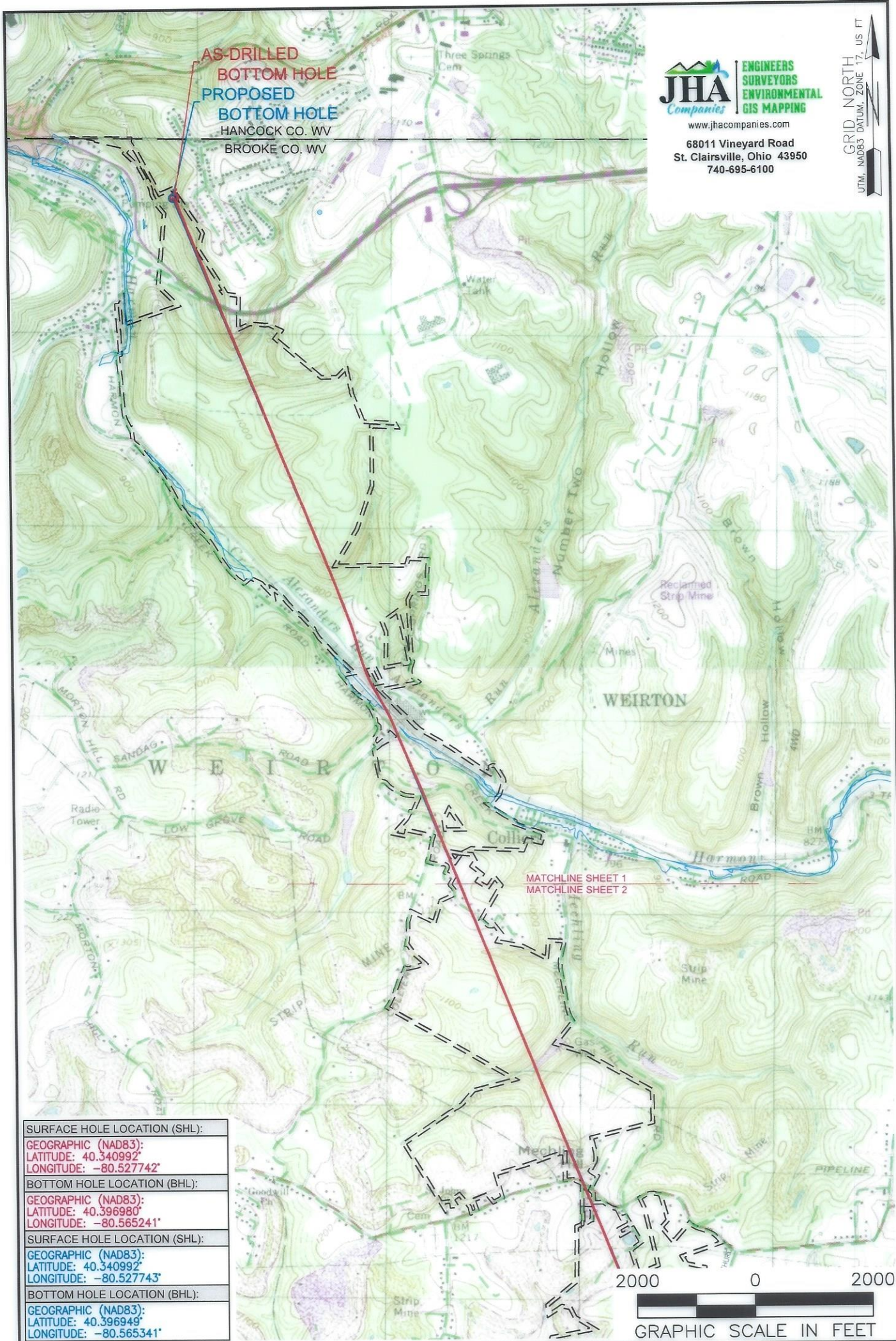
DATE: 05-31-2023
API NO: 47-009-00333
DRAWN BY: Z. WOOD
SCALE: N/A
DRAWING NO: 2017-541
WELL LOCATION PLAT



www.jhacompanies.com

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

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.340992' LONGITUDE: -80.527742'
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.396980' LONGITUDE: -80.565241'
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.340992' LONGITUDE: -80.527743'
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.396949' LONGITUDE: -80.565341'

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:	EXISTING BOTTOM HOLE	ACCESS ROAD
EXISTING / PRODUCING WELLHEAD	PUBLIC ROAD	FLOOD PLAIN
EXISTING LANDING POINT LOCATION	AS-DRILLED PATH	PROPOSED PATH
PROPOSED SURFACE HOLE / BOTTOM HOLE	PROPOSED LANDING POINT LOCATION	

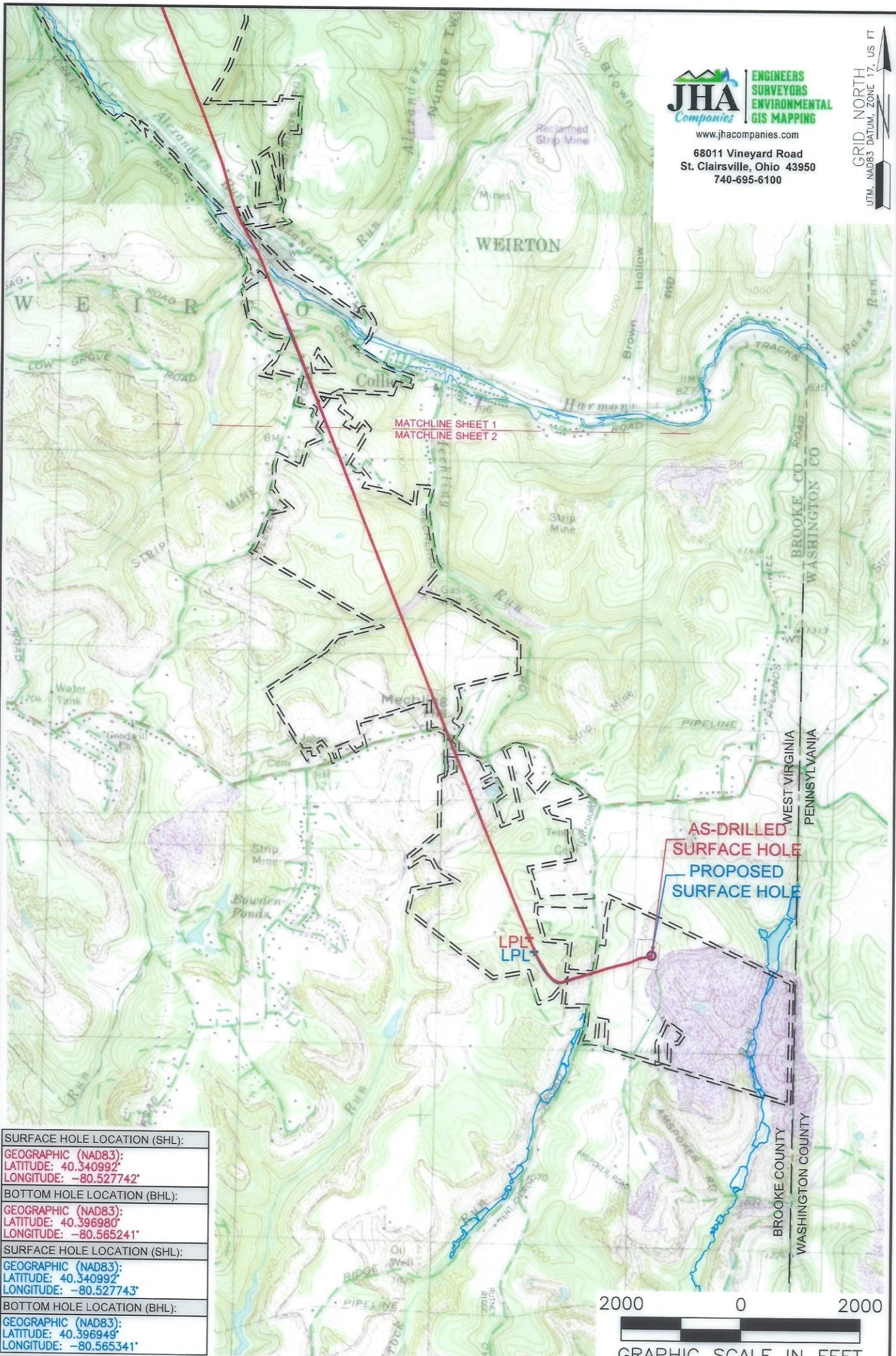
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: STATE OF WV DNR B BRK	WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPOND DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: BROOKE/OHIO	CODE: 009	DISTRICT: CROSS CREEK
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	USGS 7 1/2 QUADRANGLE MAP NAME: STUEBENVILLE EAST		



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68011 Vineyard Road
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GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.340992' LONGITUDE: -80.527742'
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LEGEND:

EXISTING BOTTOM HOLE	ACCESS ROAD
EXISTING / PRODUCING WELLHEAD	PUBLIC ROAD
EXISTING LANDING POINT LOCATION	FLOOD PLAIN
PROPOSED SURFACE HOLE / BOTTOM HOLE	AS-DRILLED PATH
PROPOSED LANDING POINT LOCATION	PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: STATE OF WV DNR B BRK	WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: BROOKE/OHIO	CODE: 009	DISTRICT: CROSS CREEK
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	USGS 7 1/2 QUADRANGLE MAP NAME: STUBENVILLE EAST		
		API # 47-009-00333	