

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 069 - 00374 County Ohio District Richland
Quad Tiltonsville Pad Name Roth Field/Pool Name Panhandle Field
Farm name Roth OHIO Well Number 210H
Operator (as registered with the OOG) SWN Production Company LLC
Address PO Box 12359 City Spring State TX Zip 77391

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,444,587.722 Easting 526,661.947
Landing Point of Curve Northing 4,444,753.237 Easting 527,433.367
Bottom Hole Northing 4,440,347.589 Easting 529,068.006

Elevation (ft) 1,104 GL Type of Well ☒ New ☐ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☒ Horizontal ☐ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☒ Drill ☐ Plug Back ☐ Redrilling ☐ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☒ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☐ Oil ☐ Other _____
Drilled with ☐ Cable ☒ Rotary

Drilling Media Surface hole ☒ Air ☐ Mud ☒ Fresh Water Intermediate hole ☒ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☒ Air ☒ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s)
SOBM

Date permit issued 2024-11-25 Date drilling commenced 2025-3-16 Date drilling ceased 2025-3-26
Date completion activities began 2025-05-7 Date completion activities ceased 2025-05-29
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 422' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1,131' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 200' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	20.000	20.000	136		J-55		Y
Surface	17.500	13.375	482		J-55		Y
Coal							
Intermediate 1	12.250	9.625	2,096		J-55		Y
Intermediate 2							
Intermediate 3							
Production	8.500	5.500	22,115		P-110HP		Y
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	Grout to Surface				Surface	24
Surface	Class A	718	15.6	1.19	0	Surface	8
Coal							
Intermediate 1	Class A	851	15.6	1.18	0	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	4,178	14.5	1.26	0	Surface	24
Tubing							

Drillers TD (ft) 22,115 Loggers TD (ft) 22,115

Deepest formation penetrated Marcellus Plug back to (ft) 0

Plug back procedure N/A

Kick off depth (ft) _____

Check all wireline logs run ☒ caliper ☒ density ☒ deviated/directional ☐ induction
☒ neutron ☒ resistivity ☐ gamma ray ☒ temperature ☐ sonic

Well cored ☐ Yes ☒ No Conventional Sidewall Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

SURFACE: CENTRALIZERS - EVERY THIRD JOINT OF CASING

INTERMEDIATE: CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

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WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS _____

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED _____

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PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

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DEPTHS

OIL TEST Flow Pump

OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY		
	7,677	mcfpd	1,485	bpd	0	bpd	2,167	bpd	☐ Estimated	☒ Orifice	☐ Pilot

DESCRIBE ROCK TYPE AND RECORD QUANTITY AND
TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)

[illegible]

Attach copy of FRACFOCUS Registry

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Well Name:

Roth OHI 210H

47069003740000

LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)
Base of Fresh Water	0	0	422	422
Top of Salt Water	1131	1119	NA	NA
Pittsburgh Coal	200	200	214	214
Pottsville (ss)	369	369	420	420
Raven Cliff (ss)	689	689	937	933
Maxton (ss)	1110	1098	1197	1180
Big Injun (ss)	1356	1326	1536	1483
Berea (siltstone)	1886	1784	1993	1877
Rhonestreet (shale)	5738	5152	6012	5381
Cashaqua (shale)	6012	5381	6075	5428
Middlesex (shale)	6075	5428	6179	5500
Burket (shale)	6179	5500	6204	5516
Tully (ls)	6204	5516	6286	5563
Mahantango (shale)	6286	5563	6465	5639
Marcellus (shale)	6465	5639	NA	NA

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	05/17/2025
Job End Date:	05/29/2025
State:	West Virginia
County:	Ohio
API Number:	47-069-00374-00-00
Operator Name:	Expand Operating LLC
Well Name and Number:	ROTH OHI 210H
Latitude:	40.151143
Longitude:	-80.687159
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5814.9
Total Base Water Volume (gal)*:	22364200
Total Base Non Water Volume:	81242.9



Water Source	Percent
Surface Water, < 1000TDS	79.71%
Produced Water	20.29%

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
655 NM	Expand Completion Services	Scale Inhibitor					
Base Water	Operator	Base Fluid					
FERRIPLEX 80	Expand Completion Services	Iron Control Agent					
FSTI-CI-02	Expand Completion Services	Corrosion Inhibitor					
Hydrochloric Acid	Expand Completion Services	Solvent					
Plexslick CX 810	Expand Completion Services	Friction Reducer					
Sand	Expand Completion Services	Proppant					

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Tolcide 4 Frac 50	Expand Completion Services	Biocide					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	87.23121	
			Crystalline Silica, Quartz	14808-60-7	100.00000	12.61493	
			HYDROCHLORIC ACID	7647-01-0	37.00000	0.09508	
			Copolymer of 2-propenamide	Proprietary	60.00000	0.02400	
			Isoalkanes	64742-47-8	30.00000	0.01800	
			Phosphonium, tetrakis(hydroxymethyl)-, sulfate (2:1)	55566-30-8	50.00000	0.00763	
			Ethoxylated Tridecanol	Proprietary	2.50000	0.00300	
			Surfactant	Proprietary	3.00000	0.00180	
			Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	68424-85-1	10.00000	0.00153	
			Sodium erythorbate	6381-77-7	98.00000	0.00134	
			Ethanol	64-17-5	1.50000	0.00076	
			Ethylene glycol	107-21-1	40.00000	0.00016	
			Cinnamaldehyde	104-55-2	19.00000	0.00007	
			1-Octanol	111-87-5	19.00000	0.00007	
			1-Decanol	112-30-1	19.00000	0.00007	
			N,N-Dimethylformamide	68-12-2	19.00000	0.00007	
			Triethyl phosphate	78-40-0	19.00000	0.00007	
			Poly(oxy-1,2-ethanediyl), .alpha.- (nonylphenyl)-.omega.- hydroxy-	9016-45-9	19.00000	0.00007	
			2-Butoxyethanol	111-76-2	10.00000	0.00004	
			Isopropyl alcohol	67-63-0	10.00000	0.00004	
			Tar bases, quinoline derivatives, benzyl chloride- quaternized	72480-70-7	10.00000	0.00004	

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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Wellbore Name	Refresh		Stage :		Date :		5/23/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025		5/24/2025	
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SURVEYOR/ENGINEER: 1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,444,587.722
EASTING: 526,661.947

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,444,753.237
EASTING: 527,433.367

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,440,347.589
EASTING: 529,068.006

SURFACE HOLE LOCATION (SHL):

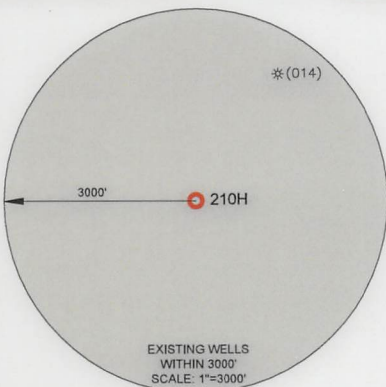
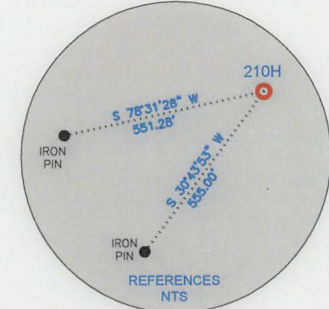
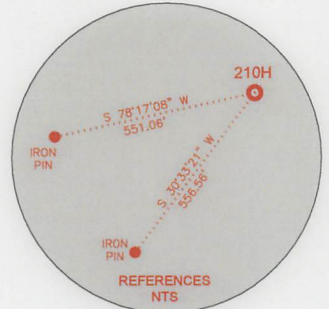
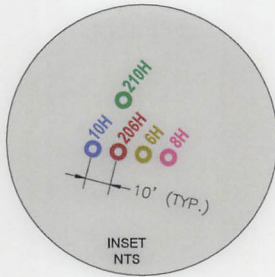
UTM (NAD83, ZONE 17, METERS):
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EASTING: 526,661.742

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,444,766.255
EASTING: 527,430.874

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,440,350.384
EASTING: 529,074.877



WELL RESTRICTIONS

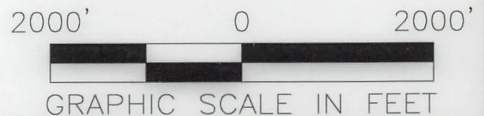
1. NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 100 FEET OF LIMITS OF DISTURBANCE.
6. 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

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.

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. 983 04-17-2025



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



(+) 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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

COMPANY:



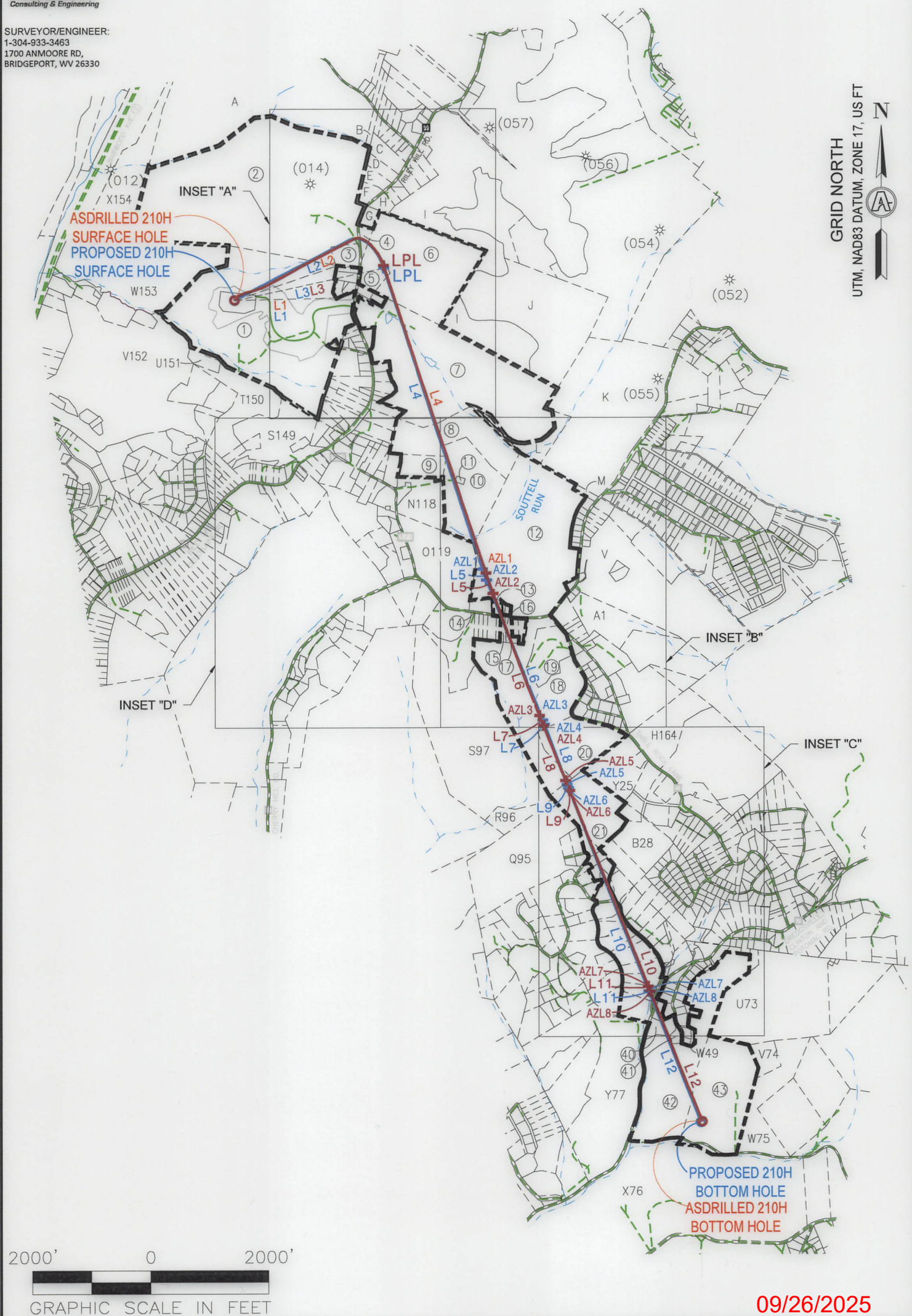
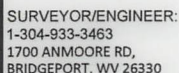
ROTH OHI

OPERATOR'S WELL #: 210H
API WELL #: 47 69 00374
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☒ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☐
WATERSHED: UPPER OHIO-WHEELING ELEVATION: 1003.93
DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE 7.5', OH
SURFACE OWNER: ROTH FARMS, LLC ACREAGE: ±118.93
OIL & GAS ROYALTY OWNER: ROTH FARMS, LLC ACREAGE: ±118.93
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 09/26/2025
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,815' IVD 22,115' TMD

WELL OPERATOR: EXPAND OPERATING, 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:		REVISIONS:	
PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY	DATE: 04-17-2025	
EXISTING / PRODUCING WELLHEAD	DRILLING UNIT	DRAWN BY: TMF	
LPL LANDING POINT LOCATION	LEASE BOUNDARY	SCALE: 1" = 2000'	
EXISTING WATER WELL	AS-DRILLED PATH	DRAWING NO: ACE-2598	
EXISTING SPRING	PROPOSED PATH	WELL LOCATION PLAT 1	
	DHP BUFFER		



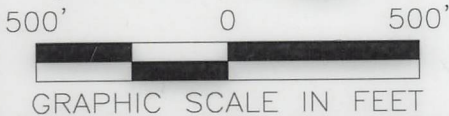
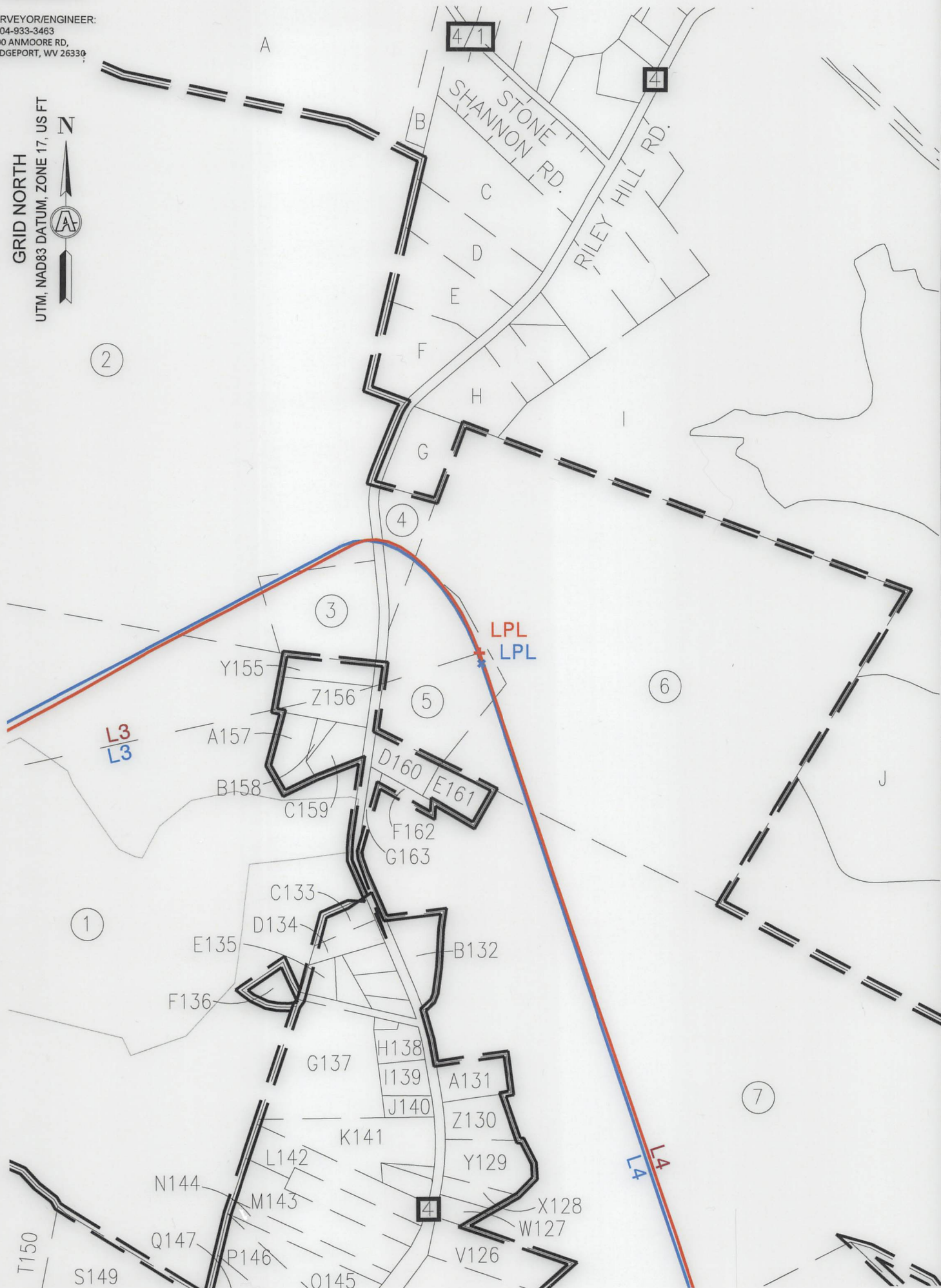
09/26/2025

REVISIONS: 	COMPANY:				
	OPERATOR'S			ROTH OHI	
	WELL #:			210H	
	DISTRICT: RICHLAND	COUNTY: OHIO	STATE: WV	DATE: 04-17-2025 DRAWN BY: TMF SCALE: 1"=2000' DRAWING NO: ACE-259 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



INSET "A"

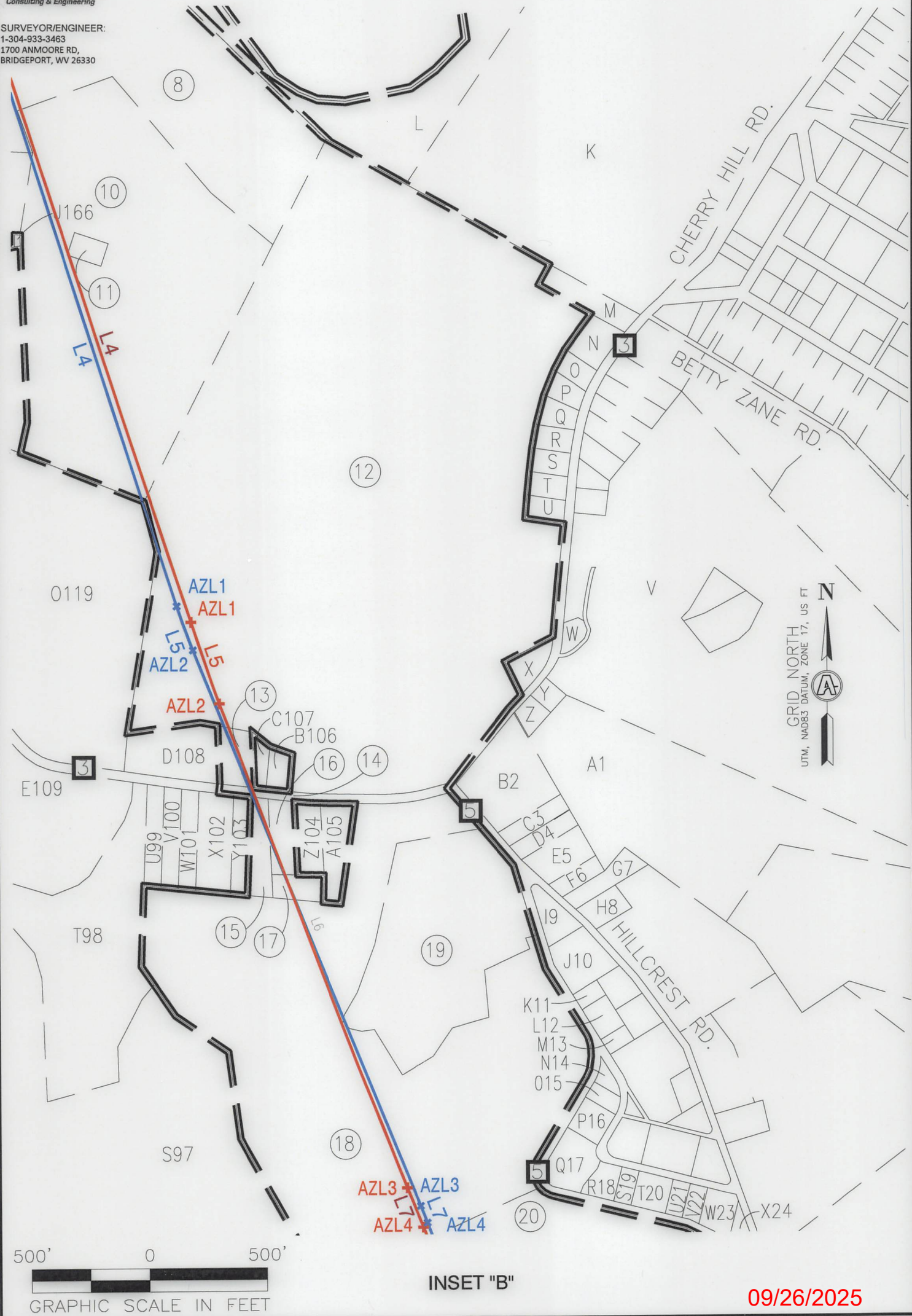
09/26/2025

REVISIONS:

COMPANY:				
OPERATOR'S			ROTH OHI	
WELL #:			210H	
DISTRICT:		COUNTY:	STATE:	DATE: 04-17-2025
RICHLAND		OHIO	WV	DRAWN BY: TMF
				SCALE: 1"=500'
				DRAWING NO: ACE-2598
				WELL LOCATION PLAT 3



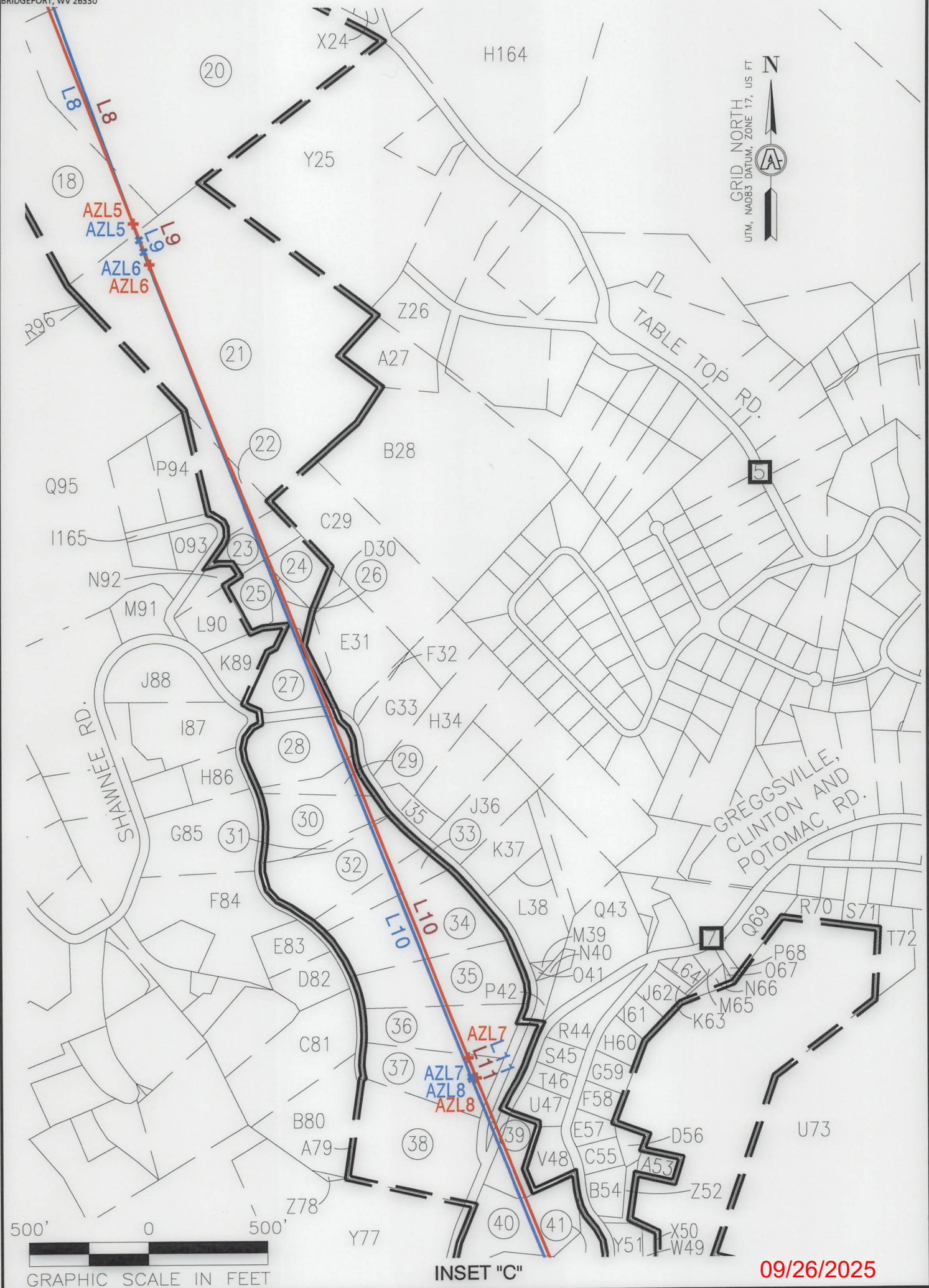
SURVEYOR/ENGINEER:
1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330



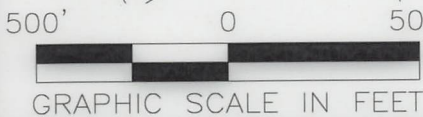
REVISIONS:		COMPANY:		DATE: 04-17-2025	
				DRAWN BY: TMF	
		OPERATOR'S		SCALE: 1"=500'	
		WELL #:		DRAWING NO: ACE-2598	
		DISTRICT:		WELL LOCATION PLAT 4	
		RICHLAND			
		COUNTY:			
		OHIO			
		STATE:			
		WV			



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



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



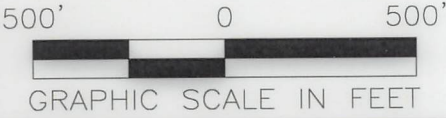
INSET "C"

09/26/2025

REVISIONS:		COMPANY:			
		OPERATOR'S		ROTH OHI	
		WELL #:		210H	
		DISTRICT:		COUNTY:	
		RICHLAND		OHIO	
				STATE:	
				WV	
				DATE: 04-17-2025	
				DRAWN BY: TMF	
				SCALE: 1"=500'	
				DRAWING NO: ACE-2598	
				WELL LOCATION PLAT 5	



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



INSET "D"

09/26/2025

REVISIONS:			COMPANY:			
			OPERATOR'S		ROTH OHI	
			WELL #:		210H	
			DISTRICT:		COUNTY:	STATE:
			RICHLAND		OHIO	WV
					DATE: 04-17-2025	
					DRAWN BY: TMF	
					SCALE: 1"=500'	
					DRAWING NO: ACE-2598	
					WELL LOCATION PLAT 6	



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

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S)/ROYALTY OWNER (R)	TAX PARCEL
1	ROTH FARMS, LLC (S)/ROTH FARMS, LLC (R)	4-R7-24
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	MCCLURE WM H & MARG A	4-R4-07
3	MCCLURE WM H & MARGARET A	4-R7-26.1
4	HABERFIELD WAYNE K & D A	4-R8-1
5	SCHUETZ EBBIE JOSEPH & JOY	4-R8-3
6	TUNNEL RIDGE LLC	4-R8-3.2
7	TUNNEL RIDGE LLC	4-R8-4.18
8	CRAFT JOSEPH W III FOUNDATION	4-R8-63.2
9	TUNNEL RIDGE LLC	4-R8-63
10	TUNNEL RIDGE LLC	4-R8-79
11	WHEELING POWER CO WHEELING ELECTRIC CO	4-R8-63.1
12	CRAFT JOSEPH W III FOUNDATION	4-R8-51
13	SCHELL HOLLY L	4-R8N-13
14	STATE OF WEST VIRGINIA, DEPARTMENT OF TRANSPORTATION	CHERRY HILL ROAD
15	KOEHL THOMAS A & R A	4-R8N-6
16	MURRAY JOSEPH B & SYLVIA J	4-R8N-7
17	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8N-9
18	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8-53
19	MATUSIC KAREN P & ALAN D GEORGE	4-R8-53.1
20	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R11-12
21	JONES ROBERT E MD INC	4-R11-16.3
22	CUCHTA B WILLIAM III & REBECCA	4-R11-6.9
23	SERENITY RD PERSONAL RESIDENCE TRUST-GEARY RICHARD C JR TTEE	4-R11-6.7
24	SERENITY RD PERSONAL RESIDENCE TRUST-GEARY RICHARD C JR TTEE	4-R11-8.2
25	SINICROPE THOMAS D	4-R11-7
26	SINICROPE THOMAS	4-R11-8
27	BABER KENNETH C & STEPHANIE H	4-R11K-24.1
28	IRBY PAUL & BARBARA TRUST	4-R11K-22
29	IRBY PAUL & BARBARA TRUST	4-R11K-71
30	PELUCHETTE NATHAN V & LAUREN E	4-R11K-21
31	SPENCER THOMAS W & CATHERINE K	4-R11K-19.2
32	SPENCER THOMAS W & CATHERINE K	4-R11K-19
33	SPENCER THOMAS W & CATHERINE K	4-R11K-19.1
34	WHITMIRE C E & J K	4-R11K-17
35	LIMBERT PAUL M AND LOUISE P	4-R11K-16
36	TODD C BROWN & SUZANNE L. BROWN	4-R11K-13
37	BOYD ALLAN A CAMPBELL LINDA L	4-R11P-2
38	FITZSIMMONS ROBERT J	4-R11P-3
39	SISTERS OF ST JOSEPH OF WHG	4-R11-21.38
40	CARPENTER DAVID & KATHERINE R	4-R11-21.9
41	MILDRED GERLING, ALFREDO AGUIRRE, & KATHY AGUIRRE	4-R11-21.22
42	SISTERS OF ST JOSEPH OF WHEELING INC	4-R11-21
43	SISTERS OF ST JOSEPH OF WHG	4-R11-20

09/26/2025

REVISIONS:	COMPANY:				
	OPERATOR'S			ROTH OH	
	WELL #:			210H	
	DISTRICT:		COUNTY:	STATE:	DATE: 04-17-2025
	RICHLAND		OHIO	WV	DRAWN BY: TMF
					SCALE: 1"=2000'
					DRAWING NO: ACE-2598
					WELL LOCATION PLAT 7



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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S)	TAX PARCEL
A	HEART 2 HEART VOLUNTEERS INC	4-R4-05
B	BOYD ROBERT JEFFREY & CHERYL L	4-R5-24
C	OLEJASZ JOSEPH R JR	4-R5-34
D	OLEJASZ JOSEPH R JR	4-R5-35
E	KUCERA CARL J & SHARON L	4-R5-35.2
F	PAVEUCH-SWIGER SHERRI J PAVEUCH JEFFREY M	4-R5-35.1
G	SHELL RICHARD A & N	4-R8-1.1
H	WEIGAND PAUL & REBECCA FAMILY TRUST	4-R5-40.1
I	TUNNEL RIDGE LLC	4-R5-40.7
J	CRAFT JOSEPH W III FOUNDATION	4-R8-3.1
K	CRAFT JOSEPH W III FOUNDATION	4-R8-5
L	CRAFT JOSEPH W III FOUNDATION	4-R8-4.13
M	HERCULES ROBERT D & PATSY G	4-R8K-113
N	HERCULES ROBERT D & P G	4-R8K-103
O	BOZENSKE B H AND OKELLEY K J	4-R8K-104
P	REED ELMER & JOY	4-R8K-105
Q	REED ELMER K & J D	4-R8K-106
R	FRAGALE ELAINE & SPEAKER KURT	4-R8K-107
S	OCHAP EUGENE F & DENISE R	4-R8K-108
T	OCHAP EUGENE F & D R	4-R8K-109
U	MC GEE JOHN M	4-R8P-17
V	THOMAN FRANZ	4-R8-62
W	TUNNEL RIDGE LLC	4-R8P-16
X	WEAVER SHIRLEY M	4-R8P-2
Y	TUNNEL RIDGE LLC	4-R8P-14
Z	TUNNEL RIDGE LLC	4-R8P-15
A1	TUNNEL RIDGE LLC	4-R8-62.4
B2	TUNNEL RIDGE LLC	4-R8P-1
C3	COTTRELL CLARA M	4-R8P-3
D4	IVERSON DERRICK H & BARBARA A	4-R8P-4
E5	STOLLAR HEATHER D	4-R8P-5
F6	WEST WINSTON W JR	4-R8P-6
G7	WEST WINSTON W JR	4-R8P-7
H8	METZ MATTHEW R	4-R8P-8
I9	TEUFEL ERNESTINE M	4-R8P-9
J10	LINTON MARK D & CHERYL A BROZOVICH	4-R11B-2
K11	BART DESTEFANO & NANCY E DESTEFANO	4-R11B-5
L12	BURNS WILLIAM D & JILL R	4-R11B-6
M13	BURNS WILLIAM D & JILL R	4-R11B-10
N14	NAEGELE ALAN SANDSTORM MARY ANN	4-R11B-26
O15	NAEGELE ALAN SANDSTROM MARY ANN	4-R11B-27
P16	SCHULTZ AIRRY ANN	4-R11B-28
Q17	PATERNO JOSEPH III	4-R11B-29
R18	MAXWELL MARY ANN	4-R11B-31
S19	MAXWELL MARY ANN	4-R11B-32
T20	ZANE TIMOTHY D	4-R11B-33
U21	ZANE TIMOTHY D	4-R11B-35
V22	VARGO RONALD J	4-R11B-36
W23	LEMLEY STEPHEN J & E	4-R11B-37
X24	KING JOHN W & LINDA A - TOD	4-R11B-38
Y25	LOUGH DONALD H JR & A L	4-R11-16.12
Z26	SEBULSKY RONALD J	4-R11-16.5
A27	JONES ROBERT E MD INC	4-R11-16.10
B28	JONES ROBERT E MD INC	4-R11-17
C29	KENAMOND PENNY J	4-R11-17.1
D30	KENAMOND PENNY	4-R11-8.3
E31	KENAMOND PENNY J	4-R11-8.1
F32	TAYLOR JAMES M AND HEATHER A	4-R11K-24
G33	TAYLOR JAMES M AND HEATHER A	4-R11K-23
H34	PANEPINTO MARK D	4-R11K-25
I35	PANEPINTO MARK D & MINDY D	4-R11K-26
J36	BAUKNECHT JON ROSS & BAUKNECHT DONNA MARIE	4-R11K-27
K37	FARMER MARK S	4-R11K-28.1
L38	FARMER MARK S	4-R11K-28.2
M39	OHIO COUNTY PUBLIC SERV DIST	4-R11K-28.4

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S)	TAX PARCEL
N40	OHIO COUNTY PUBLIC SERV DIST	4-R11K-33.1
O41	OHIO COUNTY PUBLIC SERV DIST	4-R11K-16.1
P42	PENNINGTON EDWARD B	4-R11K-33
Q43	MORGAN SHARON - TOD	4-R11K-32
R44	BRITT DARRELL GENE & SANDRA K	4-R11-21.36
S45	SIEWNY PATRICIA J & JOHN L	4-R11-21.33
T46	TINA M HINZEY	4-R11-21.32
U47	TINA M HINZEY	4-R11-21.30
V48	WALLER WILLIAM O	4-R11-21.20
W49	KLUG ELEANOR L	4-R11-21.29
X50	KLUG ELEANOR L	4-R11-21.31
Y51	KLUG ELEANOR L	4-R11-21.27
Z52	FRASNELLI ROBERT V & R A	4-R11-21.23
A53	FRASNELLI ROBERT V & R A	4-R11-21.34
B54	FRASNELLI ROBERT V & R A	4-R11-21.21
C55	DURDINES JOHN MICHAEL JR	4-R11-21.26
D56	DURDINES JOHN MICHAEL JR	4-R11-21.25
E57	DURDINES JOHN MICHAEL JR	4-R11-21.10
F58	RANDOLPH ROBERT A & B A	4-R11-21.17
G59	WOJCIK FRANK B & F A	4-R11-21.19
H60	BALLARD RICHARD W & S M	4-R11-21.18
I61	VALPUT JEFFREY J	4-R11-21.14
J62	BRETT W MEACHAM & REBECCA W MEACHAM	4-R11-21.16
K63	MURRAY WILLIAM H JR & S L	4-R11-21.15
L64	MURRAY WM H JR & S L	4-R11-21.8
M65	MURRAY WILLIAM M JR & SHELLY L	4-R11-21.40
N66	MURRAY WILLIAM M JR & SHELLY L	4-R11-21.35
O67	MURRAY WILLIAM M JR & SHELLY L	4-R11-21.41
P68	SISTERS OF SAINT JOSEPH OF WHEELING INC	4-R11-21.39
Q69	WAYNE GEORGANN R & HOWARD N JR	4-R11-21.11
R70	KUCHINSKI KELLY A & SHANNON M	4-R11-21.12
S71	TENNANT BRANDON M	4-R11L-36
T72	KEEFER FRANK JAY - TOD	4-R11-21.28
U73	WHEELING PARK COMMISSION	4-R11-21.5
V74	WHEELING PARK COMMISSION	4-R11-20.1
W75	PARKS SYSTEM TRUST FUND OF WHEELING	4-R11-21.3
X76	CITY OF WHEELING	4-R14-15
Y77	JONES WILBUR S JR JEFFERSON JOYCE P	4-R14-90
Z78	BORDAS LINDA M	4-R11P-1.1
A79	FITZSIMMONS ROBERT J	4-R11P-3.1
B80	BORDAS LINDA M	4-R11P-1
C81	BORDAS LINDA M	4-R11K-12
D82	BELANCIC ERIC J	4-R11K-15
E83	BUSH STEVEN & LAURA	4-R11K-14
F84	MARTHA W HOBBS	4-R11K-10
G85	MARTHA W HOBBS	4-R11K-9
H86	MARTHA W HOBBS	4-R11K-8
I87	GAJNSKI THOMAS P & L W	4-R11K-7.1
J88	DEARTH JOHN EDW & P C	4-R11K-6
K89	GARDILL JAMES CHRISTOPHER & JODIE K	4-R11K-24.2
L90	GULLO GAYE R	4-R11K-24.3
M91	FAMILY TRUST OF JOHN R & AGNES T ARSLAIN (TRUSTEES)	4-R11K-34
N92	SERENITY RD PERSONAL RESIDENCE TRUST-GEARY RICHARD C JR TTEE	4-R11-6.13
O93	WURTZBACHER JOHN J & ROXANNE B	4-R11-6.8
P94	CUNNINGHAM H SCOTT & SALLY A	4-R11-6.10
Q95	PENN HOLDING LIMITED LIABILITY COMPANY	4-R11-6.3
R96	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R11-11
S97	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8-52
T98	FROME STEPHEN D & REBECCA T-LE FROME S & R IRREVOCABLE TRUST	4-R8-69.2
U99	KOEGLER BRUCE M & A L	4-R8N-1
V100	RYS ROBERT J	4-R8N-2
W101	DILLEY RICHARD J	4-R8N-3
X102	DILLEY RICHARD J	4-R8N-4
Y103	KOEHL THOMAS A & R A	4-R8N-5
Z104	LITTEN PATRICIA J	4-R8N-8
A105	MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC	4-R8N-10
B106	ORKOSKEY JANET K	4-R8N-11

09/26/2025

REVISIONS:	COMPANY:		
	OPERATOR'S	ROTH OHI	
	WELL #:	210H	
	DISTRICT:	COUNTY:	STATE:
	RICHLAND	OHIO	WV
			DATE: 04-17-2025
			DRAWN BY: TMF
			SCALE: N/A
			DRAWING NO: ACE-2598
			WELL LOCATION PLAT 8

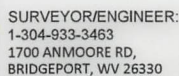


SURVEYOR/ENGINEER: 1-304-933-3463
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S)	TAX PARCEL
C107	SCHELL HOLLY L	4-R8N-12
D108	SMITH W EVERETT & JOLINDA STEINER	4-R8N-14
E109	MEREDITH RICHARD T AND S F	4-R8-69
F110	MEREDITH DONALD R II AND J K	4-R8-69.3
G111	MEREDITH DONALD R II AND JULIE	4-R8-69.1
H112	DUYMICH JENNIFER L & DAVID	4-R8-66
I113	KARNELL WILLIAM H & JENNIFER	4-R8-66.1
J114	AUTEN GERALD R JR & GRACE A	4-R8-65
K115	JOHN JOSEPH J & KAREN M	4-R8-65.2
L116	RCK 2 GROUP LLC ATTN KAYLEEN FITZSIMMONS	4-R8-64
M117	KIMPEL TODD E & JOYCE E	2-CV4-16
N118	TUNNEL RIDGE LLC	2-CV4-15
O119	TUNNEL RIDGE LLC	4-R8-67
P120	TUNNEL RIDGE LLC	2-CV4-15.2
Q121	STANLEY GEORGE DAVID AND SUSAN	2-CV4-14.2
R122	STANLEY GEORGE D & SUSAN M	2-CV4-14.1
S123	STANLEY GEORGE DAVID STANLEY SUSAN M	2-CV4-8.1
T124	TRACY JOHN A & M A	2-CV4-21.3
U125	TRACY JOHN A & MARY ANN E	2-CV4-21
V126	BAKER VINCENT L	2-CV1-6
W127	BAKER VINCENT L	2-CV1-9
X128	KINNEER VERNON A JR & CARLA C	2-CV1-8
Y129	KINNEER VERNON A JR & CARLA C	2-CV1-7
Z130	BROWN CHAD & YEKATERNIA	4-R8-4.19
A131	BROWN CHAD & YEKATERINA	4-R8-4.17
B132	BAKER FAMILY RESIDENCE TRUST; STEVEN P BAKER (LE)	4-R8-4
C133	KUCERA LISA A	4-R8-4.8
D134	HELDEFFER GEORGE W	4-R8-4.7
E135	CAMPBELL ALLEN B	4-R8-4.9
F136	CALDWELL SHANE AND SUZANNE	4-R8-78
G137	CLARK JOHN M & B C	4-R8-4.10
H138	FACEMIRE JAMES G	4-R8-4.3
I139	FEDORKE M PATRICIA	4-R8-4.2
J140	BROWN HARCE M & JENNIFER J	4-R8-4.1
K141	CLEGG R E & J L	2-CV1-5
L142	TOMAC ROBERT C JR	2-CV1-4
M143	ROGERSON KAREN S	2-CV1-2
N144	SHEARER PHILLIP G & CINDY M	2-CV1-1
O145	QUINN JOHN THOMAS	2-CV4-7
P146	QUINN THOMAS F & SUE ANN TAYLOR	2-CV4-7.4
Q147	BENNER SUZANNE J & JAMES T BENNER	2-CV4-7.5
R148	FEDORKE AARON P & FEDORKE RACHEL SUE	2-CV4-4.1
S149	FEDORKE AARON P & TIMOTHY J	2-CV4-3
T150	CITY OF WHEELING	4-R7-18
U151	HARTFILE GARY- TOD	4-R7-15.1
V152	CITY OF WHEELING	4-R7-18
W153	EDGE BRUCE W	4-R7-23
X154	DONOHEW WILLIAM SCOTT & LAURA	4-R4-2.4
Y155	LEFKAY SCOTT A & TRACY L	4-R8-2.3
Z156	FELDNER CHARLENE M - TOD	4-R8-2.1
A157	CALDWELL SHANE J & CALDWELL SUZANNE M	4-R7-24.1
B158	CALDWELL SUZANNE & SHANE	4-R7-24.2
C159	OLEJASZ JR JOSEPH R OLEJASZ J R SR & G (RT-OCC)	4-R8-2.2
D160	MCKEE JAMES F JR & EILEEN B	4-R8-4.14
E161	MCKEE JAMES & EILEEN	4-R8-4.16
F162	MCKEE JAMES & EILEEN	4-R8-4.15
G163	MCKEE JAMES F JR & EILEEN B	4-R8-77
H164	MOLNAR KRISTINE N	4-R11-16.4
I165	SERENITY ROAD LIMITED LIABILITY COMPANY	4-R11-6.21
J166	TUNNEL RIDGE LLC	4-R8-63.3

09/26/2025

REVISIONS:	COMPANY:			
	OPERATOR'S			DATE: 04-17-2025
	WELL #:			
	DISTRICT:			DRAWN BY: TMF
	RICHLAND			SCALE: N/A
	COUNTY:	STATE:	DRAWING NO: ACE-2598	
	OHIO	WV	WELL LOCATION PLAT 9	



ASDRILLED 210H
SURFACE HOLE
PROPOSED 210H
SURFACE HOLE

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



SURFACE HOLE LOCATION (SHL):

GEOGRAPHIC (NAD83):
LATITUDE: 40.151220°
LONGITUDE: -80.686963°

BOTTOM HOLE LOCATION (BHL):

GEOGRAPHIC (NAD83):
LATITUDE: 40.112958°
LONGITUDE: -80.658822°

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.

LEGEND:

- LEGEND:
- | | |
|--|-------------------------------------|
|  | PROPOSED SURFACE HOLE / BOTTOM HOLE |
|  | EXISTING / PRODUCING WELLHEAD |
| LPL  | LANDING POINT LOCATION |
|  | EXISTING WATER WELL |
|  | EXISTING SPRING |

09/26/2025

09/26/2023

LE

SURVEYED BOUNDARY

DRILLING UNIT

LEASE BOUNDARY

ASDRILLED PATH

PROPOSED PATH

DHP BUFFER

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC

ADDRESS:
1300 FORT PIERPONT DRIVE, SUITE 201

SURFACE OWNER:
ROTH FARMS, LLC

WELL (FARM) NAME:

ROTH OHI

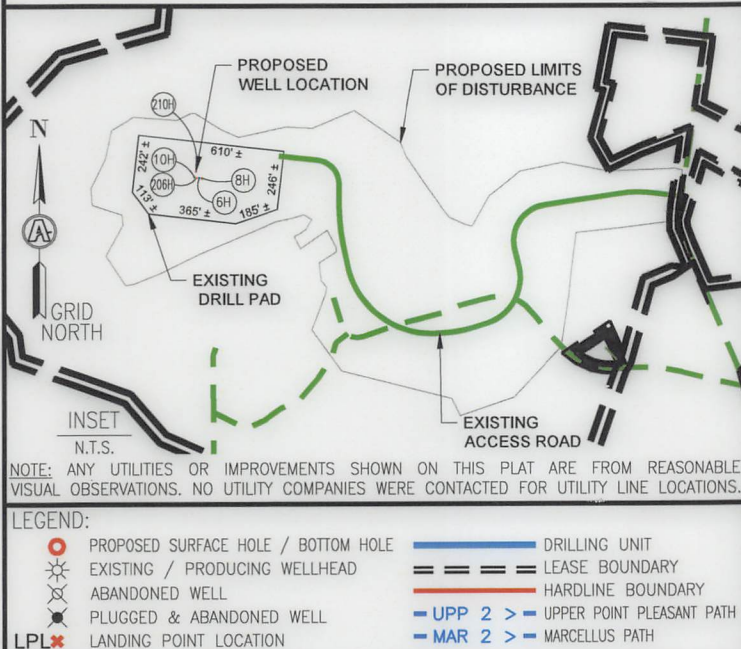
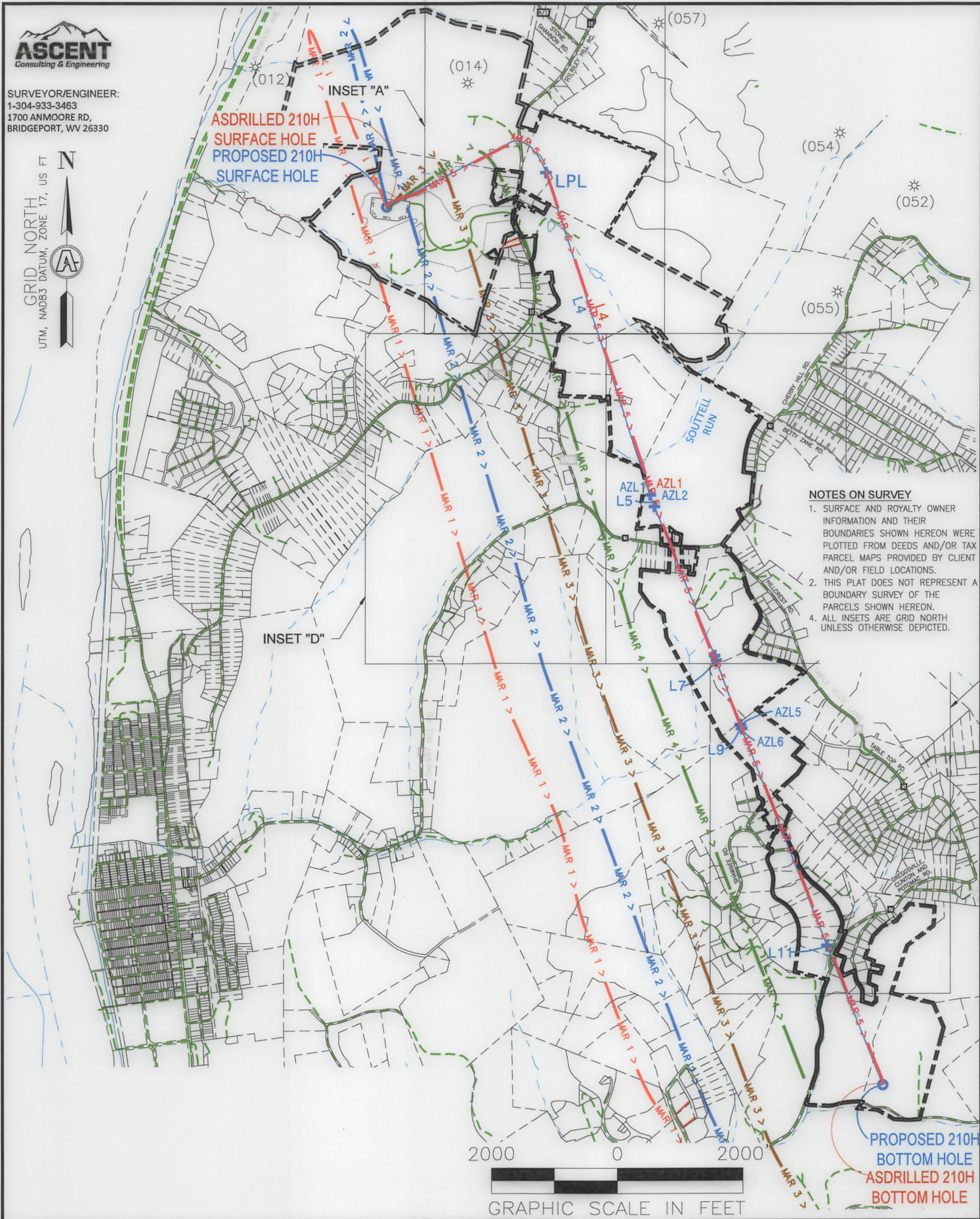
WELL #
210H

SERIAL #	XXXX
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COUNTY	—	CODE
OHIO	—	069

DISTRICT; RICHLAND	
-----------------------	--

USGS 7 1/2 QUADRANGLE MAP NAME
TILTONSVILLE 7.5', OH



COMPANY:

expand

OPERATOR'S
WELL #:

ROTH OHI
210H

DISTRICT: COUNTY: STATE:

RICHLAND OHIO WV

SWN PRODUCTION COMPANY, LLC
SURFACE HOLES

1. "ROTH-OHI 206H"
2. "ROTH-OHI 6H"
3. "ROTH-OHI 8H"
4. "ROTH-OHI 10H"
5. "ROTH-OHI 210H"

09/26/2025

REVISIONS:

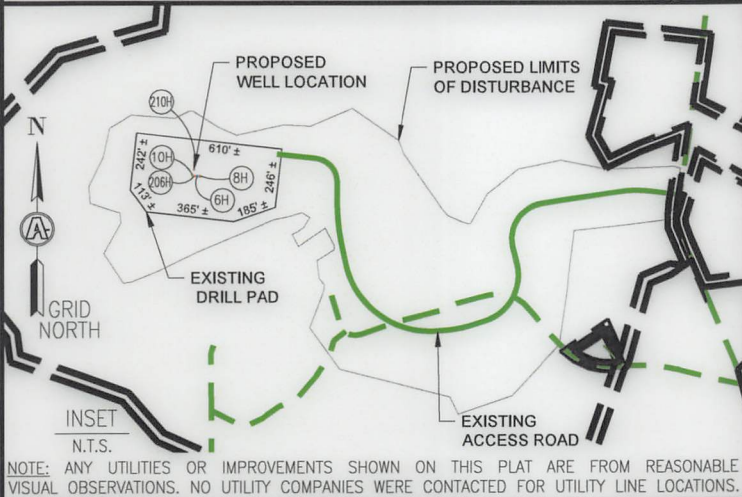
DATE: 04-17-2025

DRAWN BY: TMF
SCALE: 1" = 2000'
DRAWING NO: ACE-2598
INTERNAL WELL PLAT



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

SURFACE HOLE LOCATION (SHL):	SURFACE HOLE LOCATION (SHL):	AZIMUTH POINT LOCATION (AZL5):	AZIMUTH POINT LOCATION (AZL5):
GEOGRAPHIC (NAD83): LATITUDE: 40.151214° LONGITUDE: -80.686960°	GEOGRAPHIC (NAD27): LATITUDE: 40.151143° LONGITUDE: -80.687159°	GEOGRAPHIC (NAD83): LATITUDE: 40.128643° LONGITUDE: -80.666926°	GEOGRAPHIC (NAD27): LATITUDE: 40.128571° LONGITUDE: -80.667125°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,581,951.550 EASTING: 1,727,890.070	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,581,235.184 EASTING: 1,727,836.975	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,573,752.580 EASTING: 1,733,519.280	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,573,036.197 EASTING: 1,733,466.043
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,587.722 EASTING: 526,661.947	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,444,369.373 EASTING: 526,645.763	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,088.671 EASTING: 528,377.733	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,441,870.317 EASTING: 528,361.507
LANDING POINT LOCATION (LPL):	LANDING POINT LOCATION (LPL):	AZIMUTH POINT LOCATION (AZL6):	AZIMUTH POINT LOCATION (AZL6):
GEOGRAPHIC (NAD83): LATITUDE: 40.152681° LONGITUDE: -80.677896°	GEOGRAPHIC (NAD27): LATITUDE: 40.152609° LONGITUDE: -80.678095°	GEOGRAPHIC (NAD83): LATITUDE: 40.128507° LONGITUDE: -80.666858°	GEOGRAPHIC (NAD27): LATITUDE: 40.128435° LONGITUDE: -80.667058°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,582,494.580 EASTING: 1,730,420.970	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,581,778.191 EASTING: 1,730,367.803	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,573,703.020 EASTING: 1,733,538.330	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,572,986.637 EASTING: 1,733,485.092
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,753.237 EASTING: 527,433.367	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,444,534.882 EASTING: 527,417.161	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,073.565 EASTING: 528,383.540	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,441,870.317 EASTING: 528,367.313
AZIMUTH POINT LOCATION (AZL1):	AZIMUTH POINT LOCATION (AZL1):	AZIMUTH POINT LOCATION (AZL7):	AZIMUTH POINT LOCATION (AZL7):
GEOGRAPHIC (NAD83): LATITUDE: 40.138649° LONGITUDE: -80.672003°	GEOGRAPHIC (NAD27): LATITUDE: 40.138577° LONGITUDE: -80.672203°	GEOGRAPHIC (NAD83): LATITUDE: 40.119017° LONGITUDE: -80.662028°	GEOGRAPHIC (NAD27): LATITUDE: 40.118945° LONGITUDE: -80.662228°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,577,391.000 EASTING: 1,732,086.500	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,576,674.616 EASTING: 1,732,033.296	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,570,252.320 EASTING: 1,734,901.530	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,569,535.938 EASTING: 1,734,848.260
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,443,197.663 EASTING: 527,941.021	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,442,979.309 EASTING: 527,924.805	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,441,021.789 EASTING: 528,799.044	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,440,803.436 EASTING: 528,782.807
AZIMUTH POINT LOCATION (AZL2):	AZIMUTH POINT LOCATION (AZL2):	AZIMUTH POINT LOCATION (AZL8):	AZIMUTH POINT LOCATION (AZL8):
GEOGRAPHIC (NAD83): LATITUDE: 40.138137° LONGITUDE: -80.671762°	GEOGRAPHIC (NAD27): LATITUDE: 40.138065° LONGITUDE: -80.671962°	GEOGRAPHIC (NAD83): LATITUDE: 40.118992° LONGITUDE: -80.662016°	GEOGRAPHIC (NAD27): LATITUDE: 40.118920° LONGITUDE: -80.662216°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,577,204.780 EASTING: 1,732,154.490	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,576,488.396 EASTING: 1,732,101.285	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,570,243.370 EASTING: 1,734,905.080	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,569,526.988 EASTING: 1,734,851.810
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,443,140.903 EASTING: 527,961.744	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,442,922.549 EASTING: 527,945.527	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,441,019.061 EASTING: 528,800.126	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,440,800.708 EASTING: 528,783.889
AZIMUTH POINT LOCATION (AZL3):	AZIMUTH POINT LOCATION (AZL3):	BOTTOM HOLE LOCATION (BHL):	BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.131650° LONGITUDE: -80.668377°	GEOGRAPHIC (NAD27): LATITUDE: 40.131578° LONGITUDE: -80.668576°	GEOGRAPHIC (NAD83): LATITUDE: 40.112933° LONGITUDE: -80.658902°	GEOGRAPHIC (NAD27): LATITUDE: 40.112861° LONGITUDE: -80.659102°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,574,845.920 EASTING: 1,733,109.510	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,574,129.537 EASTING: 1,733,056.282	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,568,040.380 EASTING: 1,735,783.950	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,567,323.998 EASTING: 1,735,730.659
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,421.921 EASTING: 528,252.835	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,442,203.567 EASTING: 528,236.611	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,440,347.589 EASTING: 529,068.006	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,440,129.235 EASTING: 529,051.763
AZIMUTH POINT LOCATION (AZL4):	AZIMUTH POINT LOCATION (AZL4):		
GEOGRAPHIC (NAD83): LATITUDE: 40.131452° LONGITUDE: -80.668278°	GEOGRAPHIC (NAD27): LATITUDE: 40.131380° LONGITUDE: -80.668477°		
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,574,773.870 EASTING: 1,733,137.560	UTM (NAD27, ZONE 17, FEET): NORTHING: 14,574,057.487 EASTING: 1,733,084.332		
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,399.960 EASTING: 528,261.385	UTM (NAD27, ZONE 17, METERS): NORTHING: 4,42,181.606 EASTING: 528,245.161		



COMPANY:

OPERATOR'S

ROTH OH

WELL #:

210H

DISTRICT:

RICHLAND

COUNTY:

OHIO

STATE:

WV

SWN PRODUCTION COMPANY, LLC

SURFACE HOLES

1. "ROTH-OHI 206H"

2. "ROTH-OHI 6H"

3. "ROTH-OHI 8H"

4. "ROTH-OHI 10H"

5. "ROTH-OHI 210H"

09/26/2025

REVISIONS:

DATE: 04-17-2025

DRAWN BY: TMF

SCALE: 1" = 2000'

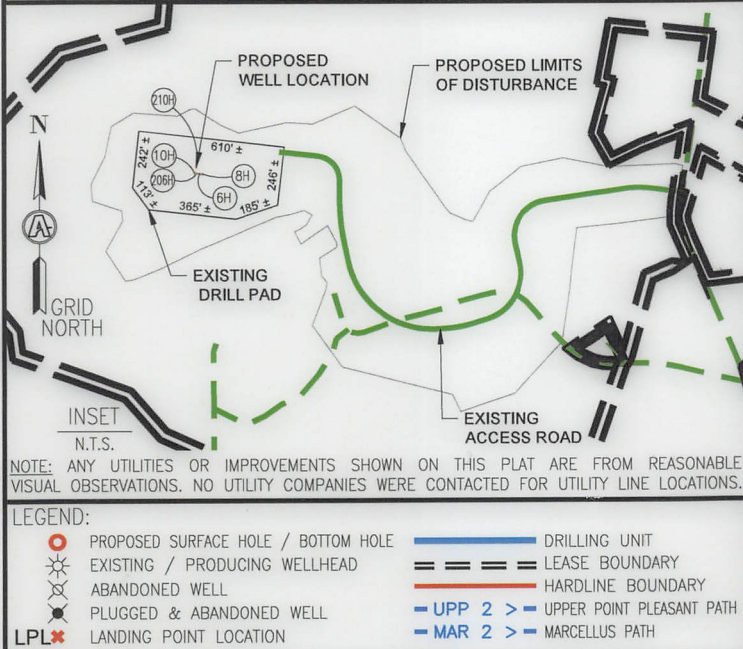
DRAWING NO: ACE-2598

INTERNAL WELL PLAT



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

SURFACE HOLE LOCATION (SHL):	AZIMUTH POINT LOCATION (AZL3):	AZIMUTH POINT LOCATION (AZL7):
GEOGRAPHIC (NAD83): LATITUDE: 40.151220° LONGITUDE: -80.686963°	GEOGRAPHIC (NAD83): LATITUDE: 40.131866° LONGITUDE: -80.668579°	GEOGRAPHIC (NAD83): LATITUDE: 40.119239° LONGITUDE: -80.662069°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,581,953.758 EASTING: 1,727,889.398	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,574,924.281 EASTING: 1,733,052.633	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,570,333.356 EASTING: 1,734,889.784
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,588.395 EASTING: 526,661.742	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,445.806 EASTING: 528,235.499	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,441,046.489 EASTING: 528,795.464
SPCS, WV NORTH (NAD83): NORTHING: 603,631.872 EASTING: 1,636,707.023	SPCS, WV NORTH (NAD83): NORTHING: 596,514.327 EASTING: 1,641,753.774	SPCS, WV NORTH (NAD83): NORTHING: 591,891.595 EASTING: 1,643,514.488
GEOGRAPHIC (NAD27): LATITUDE: 40.151149° LONGITUDE: -80.687161°	GEOGRAPHIC (NAD27): LATITUDE: 40.131793° LONGITUDE: -80.668779°	GEOGRAPHIC (NAD27): LATITUDE: 40.119007° LONGITUDE: -80.662269°
SPCS, WV NORTH (NAD27): NORTHING: 603595.100 EASTING: 1668142.420	SPCS, WV NORTH (NAD27): NORTHING: 596,477.540 EASTING: 1,673,189.040	SPCS, WV NORTH (NAD27): NORTHING: 591,854.810 EASTING: 1,674,949.710
LANDING POINT LOCATION (LPL):	AZIMUTH POINT LOCATION (AZL4):	AZIMUTH POINT LOCATION (AZL8):
GEOGRAPHIC (NAD83): LATITUDE: 40.152798° LONGITUDE: -80.677925°	GEOGRAPHIC (NAD83): LATITUDE: 40.131399° LONGITUDE: -80.668337°	GEOGRAPHIC (NAD83): LATITUDE: 40.119007° LONGITUDE: -80.661950°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,582,537.289 EASTING: 1,730,412.791	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,574,754.573 EASTING: 1,733,120.890	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,570,248.859 EASTING: 1,734,923.462
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,766.255 EASTING: 527,430.874	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,394.079 EASTING: 528,256.304	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,441,020.734 EASTING: 528,805.729
SPCS, WV NORTH (NAD83): NORTHING: 604,173.294 EASTING: 1,639,240.776	SPCS, WV NORTH (NAD83): NORTHING: 596,343.437 EASTING: 1,641,819.206	SPCS, WV NORTH (NAD83): NORTHING: 591,806.515 EASTING: 1,643,546.758
GEOGRAPHIC (NAD27): LATITUDE: 40.152726° LONGITUDE: -80.678124°	GEOGRAPHIC (NAD27): LATITUDE: 40.131327° LONGITUDE: -80.668537°	GEOGRAPHIC (NAD27): LATITUDE: 40.118935° LONGITUDE: -80.662150°
SPCS, WV NORTH (NAD27): NORTHING: 604,136.500 EASTING: 1,670,676.100	SPCS, WV NORTH (NAD27): LATITUDE: 596,306.650 LONGITUDE: 1,673,254.470	SPCS, WV NORTH (NAD27): NORTHING: 591,769.730 EASTING: 1,674,981.980
AZIMUTH POINT LOCATION (AZL1):	AZIMUTH POINT LOCATION (AZL5):	BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.138463° LONGITUDE: -80.671788°	GEOGRAPHIC (NAD83): LATITUDE: 40.128832° LONGITUDE: -80.667012°	GEOGRAPHIC (NAD83): LATITUDE: 40.112958° LONGITUDE: -80.658822°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,577,323.596 EASTING: 1,732,146.882	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,573,821.159 EASTING: 1,733,494.949	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,568,049.551 EASTING: 1,735,806.491
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,443,177.118 EASTING: 527,959.426	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,109.573 EASTING: 528,370.317	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,440,350.384 EASTING: 529,074.877
SPCS, WV NORTH (NAD83): NORTHING: 598,929.358 EASTING: 1,640,887.984	SPCS, WV NORTH (NAD83): NORTHING: 595,403.546 EASTING: 1,642,177.725	SPCS, WV NORTH (NAD83): NORTHING: 589,591.925 EASTING: 1,644,393.169
GEOGRAPHIC (NAD27): LATITUDE: 40.138392° LONGITUDE: -80.671987°	GEOGRAPHIC (NAD27): LATITUDE: 40.128760° LONGITUDE: -80.667211°	GEOGRAPHIC (NAD27): LATITUDE: 40.112886° LONGITUDE: -80.659021°
SPCS, WV NORTH (NAD27): NORTHING: 598,892.570 EASTING: 1,672,323.270	SPCS, WV NORTH (NAD27): NORTHING: 595,366.760 EASTING: 1,673,612.980	SPCS, WV NORTH (NAD27): NORTHING: 589,555.140 EASTING: 1,675,828.370
AZIMUTH POINT LOCATION (AZL2):	AZIMUTH POINT LOCATION (AZL6):	
GEOGRAPHIC (NAD83): LATITUDE: 40.137512° LONGITUDE: -80.671368°	GEOGRAPHIC (NAD83): LATITUDE: 40.128362° LONGITUDE: -80.666770°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,576,977.584 EASTING: 1,732,265.610	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,573,650.309 EASTING: 1,733,563.056	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,443,071.654 EASTING: 527,995.614	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,057.498 EASTING: 528,391.076	
SPCS, WV NORTH (NAD83): NORTHING: 598,581.278 EASTING: 1,641,000.946	SPCS, WV NORTH (NAD83): NORTHING: 595,231.516 EASTING: 1,642,242.986	
GEOGRAPHIC (NAD27): LATITUDE: 40.137440° LONGITUDE: -80.671567°	GEOGRAPHIC (NAD27): LATITUDE: 40.128290° LONGITUDE: -80.666970°	
SPCS, WV NORTH (NAD27): NORTHING: 598,544.490 EASTING: 1,672,436.230	SPCS, WV NORTH (NAD27): NORTHING: 595,194.730 EASTING: 1,673,678.240	



COMPANY:		
OPERATOR'S		
WELL #:		
DISTRICT:		
COUNTY:		
STATE:		
SWN PRODUCTION COMPANY, LLC		
SURFACE HOLES		
1. "ROTH-OHI 206H"		
2. "ROTH-OHI 6H"		
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REVISIONS:		DATE: 04-17-2025
		DRAWN BY: TMF
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