



---

west virginia department of environmental protection

---

Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, October 28, 2024  
WELL WORK PERMIT  
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC  
POST OFFICE BOX 12359

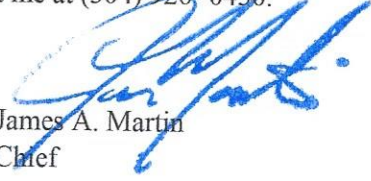
SPRING, TX 773914954

Re: Permit approval for Franz Thoman OHI 8H  
47-069-00372-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

  
James A. Martin  
Chief

Operator's Well Number: Franz Thoman OHI 8H  
Farm Name: Franz Thoman  
U.S. WELL NUMBER: 47-069-00372-00-00  
Horizontal 6A New Drill  
Date Issued: 10/28/2024

Promoting a healthy environment.

11/01/2024

# PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

---

## CONDITIONS

---

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

11/01/2024

4706900372

WW-6B  
(04/15)

API NO. 47-069 -  
OPERATOR WELL NO. Franz Thoman OHI 8H  
Well Pad Name: Franz Thoman OHI

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: SWN Production Co., LLC    494512924    069-Ohio    4-Richlar    641-Tiltonsville  
Operator ID    County    District    Quadrangle

2) Operator's Well Number: Franz Thoman OHI 8H    Well Pad Name: Franz Thoman OHI

3) Farm Name/Surface Owner: Franz Thoman    Public Road Access: Cherry Hill Road CR 3

4) Elevation, current ground: 1138'    Elevation, proposed post-construction: 1138'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_  
Other \_\_\_\_\_  
(b) If Gas Shallow  Deep \_\_\_\_\_  
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Target Formation- Marcellus, Down-Dip well to the South, Target Top TVD- 6078', Target Base TVD- 6137', Anticipated Thickness- 59', Associated Pressure- 3989

8) Proposed Total Vertical Depth: 6125'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 25513'

11) Proposed Horizontal Leg Length: 19035.81'

12) Approximate Fresh Water Strata Depths: 326'

13) Method to Determine Fresh Water Depths: No water wells, nearby Spring used

14) Approximate Saltwater Depths: 470' Salinity Profile on BW Edge Pad

15) Approximate Coal Seam Depths: 334'

16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 334'

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes \_\_\_\_\_ No

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
SEP 27 2024  
WV Department of  
Environmental Protection

*John Campbell*  
STRAVER CORP.  
8/27/2024

WW-6B  
(04/15)

4706900372  
API NO. 47- 069 -  
OPERATOR WELL NO. Franz Thoman OHI 8H  
Well Pad Name: Franz Thoman OHI

18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	136'	136' ✓	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	400'	400' ✓	454 sx/CTS ✓
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1740'	1740'	701 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	25513'	25513' ✓	Tail 4831sx/ 100' Inside Intermediate
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A ✓	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.330	1730	633	Class A	1.20/30% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.352	3520	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	✓ 10500	Class A	1.19/10-15% Excess
Tubing							
Liners							

PACKERS

Kind:				RECEIVED Office of Oil and Gas
Sizes:				SEP 27 2024
Depths Set:				WV Department of Environmental Protection

*Steve Gow*  
STRADER GOW  
8/22/2024

WW-6B  
(10/14)

4706900372  
API NO. 47-069 -  
OPERATOR WELL NO. Franz Thoman OHI 8H  
Well Pad Name: Franz Thoman OHI

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. \*\*If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (\*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production units, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 psi @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 22.65

22) Area to be disturbed for well pad only, less access road (acres): 12.98

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

24) Describe all cement additives associated with each cement type:

See Attachment \*\*\*

25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

RECEIVED  
Office of Oil and Gas

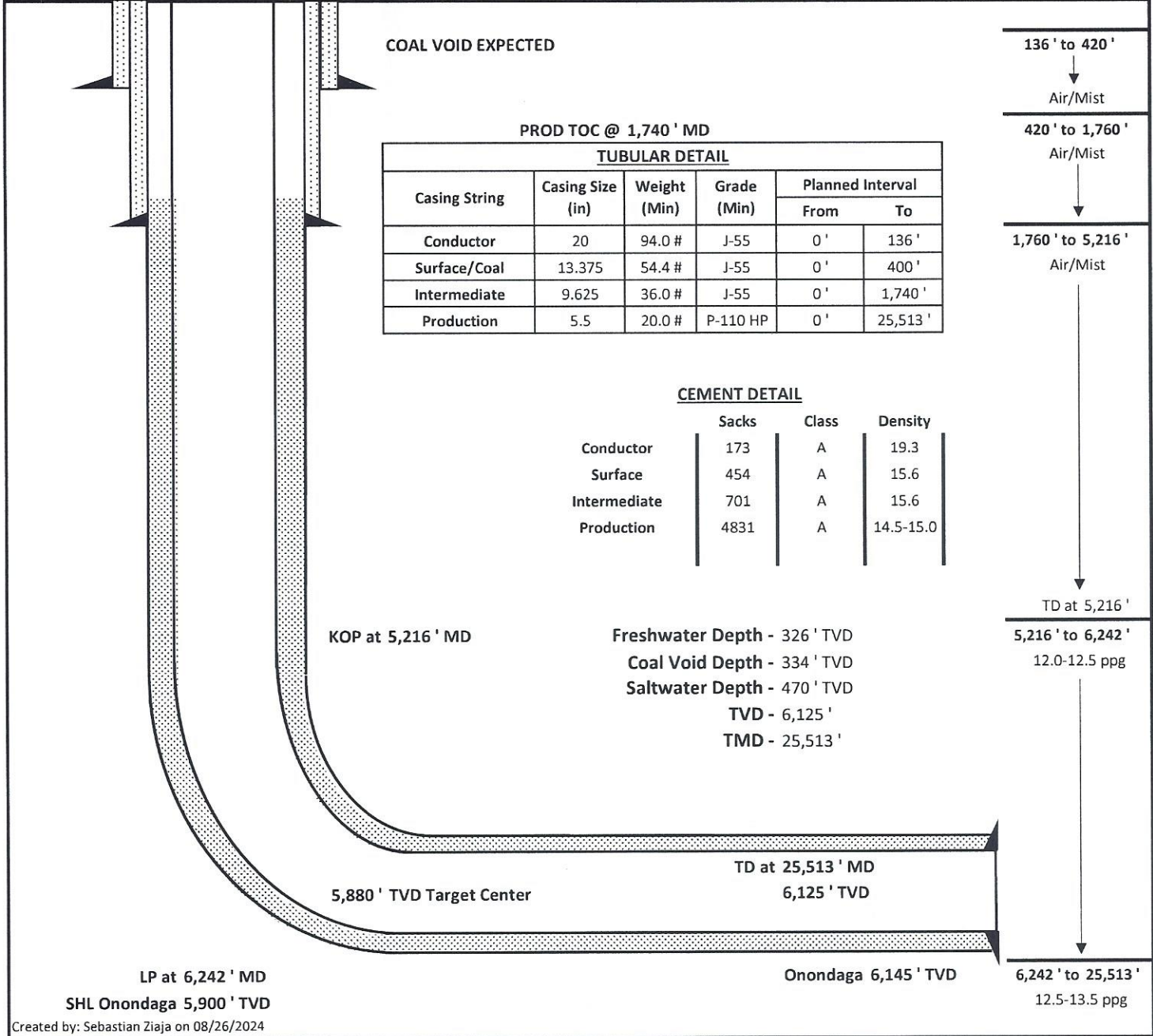
SEP 27 2024

Wv Department of  
Environmental Protection

\*Note: Attach additional sheets as needed.

4706900372

<b>Southwestern Energy Company</b>			<b>Proposed Drilling Program</b>		
Well:	FRANZ THOMAN OHI 8H		Drilling Rig:	SDC 41	
Field:	PANHANDLE FIELD WET		Formation:	Marcellus Shale	
County:	OHIO		State:	WV	
SHL (NAD83):	40.136681 Latitude	-80.659988 Longitude			
BHL (NAD83):	40.088388 Latitude	-80.630195 Longitude			
KB Elev:	1,164 ft MSL	KB Height: 26 ft AGL	GL Elev:	1,138 ft MSL	



Created by: Sebastian Ziaja on 08/26/2024

*John C. Strader*  
**STRADER GOWER**  
 8/27/2024

RECEIVED  
 Office of Oil and Gas

SEP 27 2024

WV Department of  
 Environmental Protection

11/01/2024

4706900372

CEMENT ADDITIVES						
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTier PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE (FRESHWATER) <small>up to 3%</small>	<del>XXXXXXXXXX</del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	0110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION <small>up to 3%</small>	<del>XXXXXXXXXX</del>	INTEGRA SEAL	0600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
INTERMEDIATE	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	0047	FP 28L	<del>XXXXXXXXXX</del>	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	<del>XXXXXXXXXX</del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETARY
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
PRODUCTION	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	<del>XXXXXXXXXX</del>	55-IIW	0880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	DO47	FP 28L	<del>XXXXXXXXXX</del>	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	OX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATICAMIDE POLYMER	PROPRIETARY
	0255	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	<del>XXXXXXXXXX</del>	FL-66	0501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETARY
	<del>XXXXXXXXXX</del>	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	<del>XXXXXXXXXX</del>	VISCOFIER/ANTI-SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETARY
	D198	R-3	<del>XXXXXXXXXX</del>	CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1
	D065	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	DISPERSANT	SODIUM POLYNAPHTHALENE SULFONATE	8068-51-6
D800	<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	CEMENT RETARDER (Mid-Temperature)	SODIUM LIGNOSULFONATE	8061-51-6	

RECEIVED  
Office of Oil and Gas

SEP 27 2024

WV Department of  
Environmental Protection 11/01/2024

4706900372

WW-9  
(4/16)

API Number 47 - 069 - \_\_\_\_\_  
Operator's Well No. Franz THoman OHI 8H

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924

Watershed (HUC 10) Upper Ohio South Quadrangle Tiltonsville

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number Various Approved Facilities )
- Reuse ( at API Number At the next anticipated well )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain recovery and solidification on site)

Will closed loop system be used? If so, describe: Yes- See Attachment 3A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air drill to KOP, fluid drill with SOBM from KOP to TD

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base

Additives to be used in drilling medium? Attachment 3B

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)

-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021

Apex Sanitary Landfill 06-08438, Brooke Co SWF-1013, FMS 353100

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Brittany Woody  
Company Official (Typed Name) Brittany Woody  
Company Official Title Staff Regulatory Specialist

RECEIVED  
Office of Oil and Gas  
SEP 27 2024

WV Department of  
Environmental Protection

Subscribed and sworn before me this 2 day of May, 2024

Elizabeth Blankenship  
My commission expires 6/23/2024





4706900372

Form WW-9

Operator's Well No. Franz THoman OHI 8H

**SWN Production Co., LLC**

Proposed Revegetation Treatment: Acres Disturbed 22.65 Prevegetation pH \_\_\_\_\_

Lime as determined by pH test min.2 Tons/acre or to correct to pH 12.98

Fertilizer type 10-20-20

Fertilizer amount 600/500 lbs/acre

Mulch Hay/Straw Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

**Attachment 3C**

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *John Corum*

Comments: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

SEP 27 2024

Wv Department of  
Environmental Protection

Title: Oil & Gas Inspector

Date: 8/27/2024

Field Reviewed?  Yes

No

11/01/2024

# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

4706900372



SWN Production Company, LLC  
1300 Fort Pierpont Drive, Suite 201  
Morgantown, West Virginia 26508

**API NO. 47-XXX-XXXXX**  
**WELL NAME: Franz Thoman OHI 8H**  
**Tiltonsville QUAD**  
**Richland DISTRICT**  
**Ohio COUNTY, WEST VIRGINIA**

Submitted by:

Name: Brittany Woody

Date: 4/22/2024

*Brittany Woody*

Title: Senior Regulatory Analyst

SWN Production Co., LLC

Approved by:

Name: STRADER GOWER

Date: 8/27/2024

Title: Oil & Gas Inspector

Approved by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

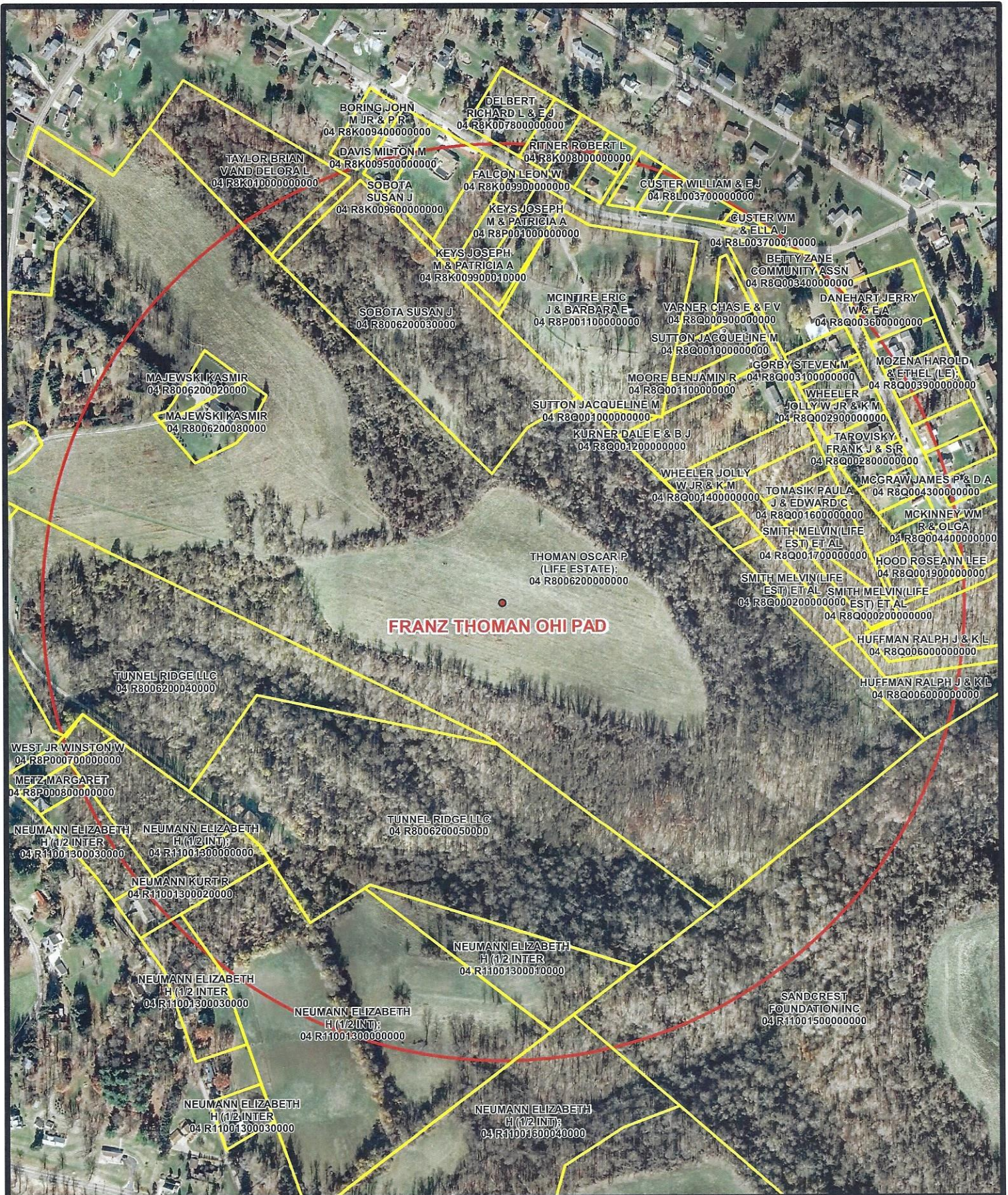
SWN PRODUCTION COMPANY, LLC – CONFIDENTIAL

RECEIVED  
Office of Oil and Gas

SEP 27 2024

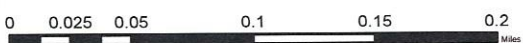
WV Department of  
Environmental Protection

11/01/2024



**FRANZ THOMAN OHI PAD**

1 in = 417 ft



- S Spring
- W Water Well
- P Pond
- Parcel
- 1500' Buffer

Water Purveyor Map  
Well Pad: Franz Thoman  
County: OH

**sw** *R<sup>2</sup> V<sup>+</sup>*  
Southwestern Energy  
**11/01/2024**

Coordinate System: NAD 1983 UTM Zone 17N  
Units: Meter

Coordinates: 40 136768 -80 660296

Date: 1/22/2019 | Author: willish

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

LATITUDE: 40°07'30" BOTTOM HOLE (2000' SCALE)

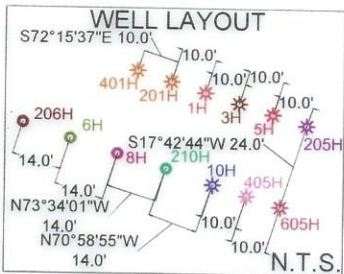


www.jhacompanies.com

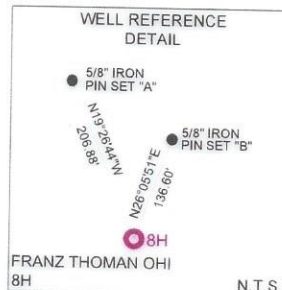
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

**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.

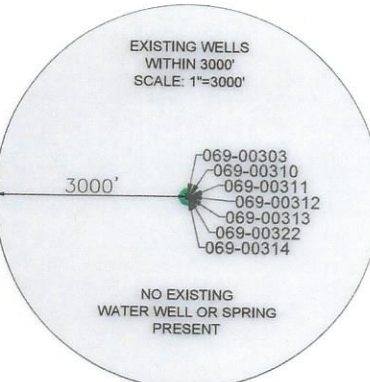


INSET IV



PROPOSED SURFACE HOLE

LINE	BEARING	DISTANCE
L1	N56°02'39"W	1098.79'
L2	N80°16'01"W	1355.60'



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4442983.07 EASTING: 528965.38
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4442862.21 EASTING: 529016.61
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4437633.02 EASTING: 531525.71



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.E. 19809 *Joseph J. Hunt*

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

 WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200  PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	FRANZ THOMAN OHI OPERATOR'S WELL #: 8H API WELL #: 47 069 00312 STATE COUNTY PERMIT
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO SOUTH DISTRICT: RICHLAND COUNTY: OHIO SURFACE OWNER: FRANZ THOMAN OIL & GAS ROYALTY OWNER: FRANZ THOMAN	ELEVATION: 1,137.5' QUADRANGLE: TILTONVILLE, OH-WV ACREAGE: ±69.418 ACREAGE: ±69.418

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6125' TVD 25513' 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

<b>LEGEND:</b> ● 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	<b>REVISIONS:</b> DATE: 09-03-2024 API NO: 47-069-XXXXX DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2018-781 WELL LOCATION PLAT
---	---



LONGITUDE: 80°37'30" BOTTOM HOLE (2000' SCALE)

LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE)

13347'

10950'

LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE)

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

9806'

LATITUDE: 40°07'30" BOTTOM HOLE (2000' SCALE)

1450'

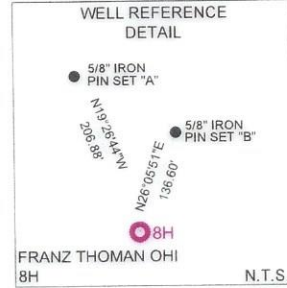


www.jhacompanies.com

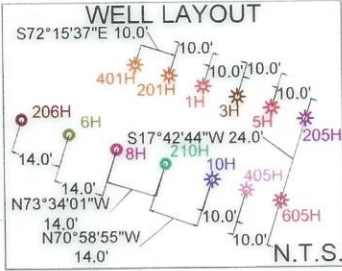
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

**NOTES ON SURVEY**

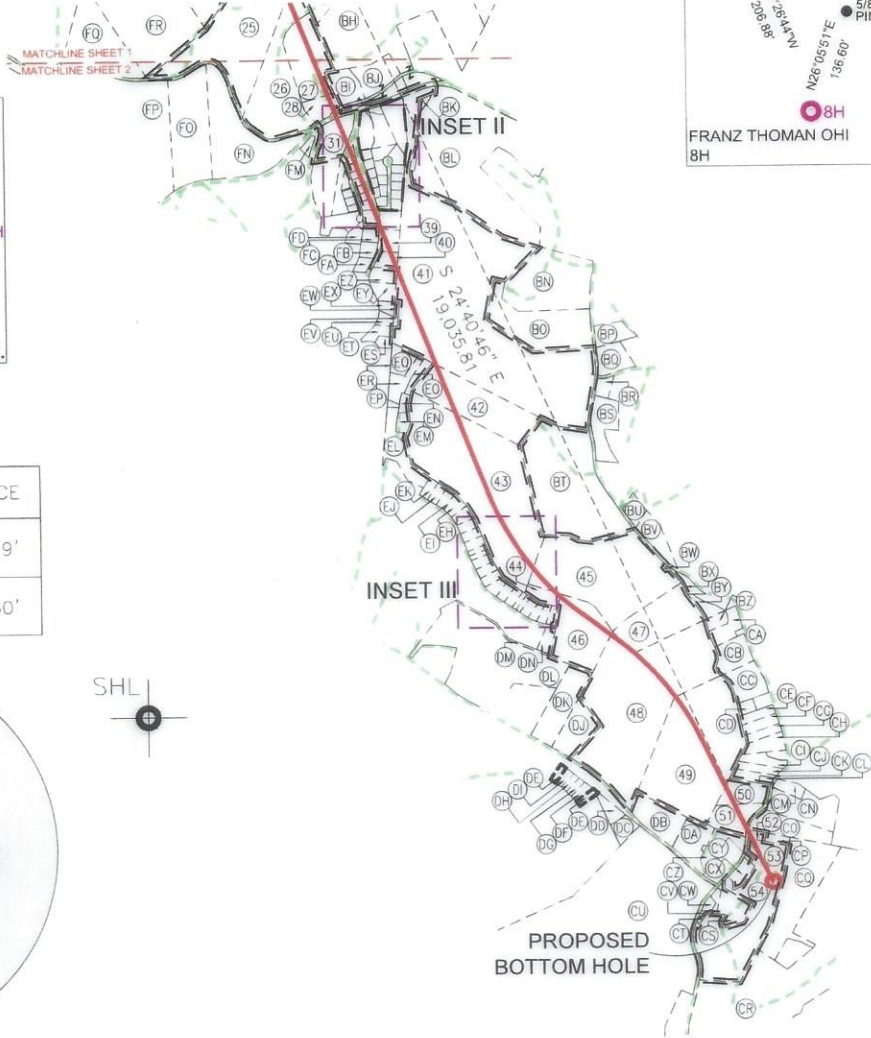
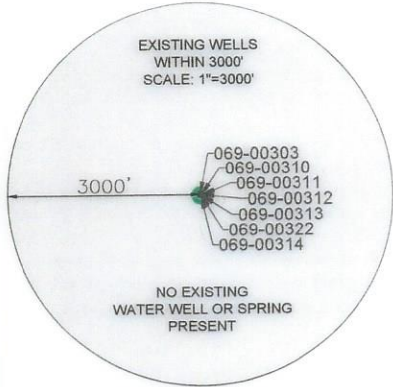
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES 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.



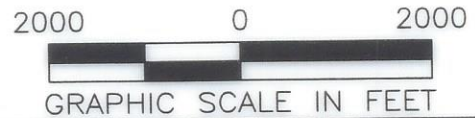
GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



LINE	BEARING	DISTANCE
L1	N56°02'39"W	1098.79'
L2	N80°16'01"W	1355.60'



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4442983.07 EASTING: 528965.38
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4442862.21 EASTING: 529016.61
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4437633.02 EASTING: 531525.71



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.E. 19809 *Joseph J. Hunt*

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

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: FRANZ THOMAN OHI 8H
	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	API WELL #: 47 STATE, 069 COUNTY, 00312 PERMIT	

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) **11/01/2024**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6125' TVD 25513' 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

<b>LEGEND:</b>	<b>REVISIONS:</b>	<b>DATE:</b> 09-03-2024
<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>NATURAL WATERWAY</li> <li>SURVEYED BOUNDARY</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> <li>PUBLIC ROAD</li> </ul>		API NO: 47-069-XXXXX DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2018-781 WELL LOCATION PLAT





ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
DO	BECKER CORY M & OLIVIA A	4-R14R-2
DP	FIGARETTI MARIO ET AL	4-R14R-3
DQ	WALLACE WILLIAM H	4-R14R-4
DR	POLUS JODY M & ALEXANDRIA M	4-R14R-5
DS	POLUS JODY M & ALEXANDRIA M	4-R14R-6
DT	DIGIANDOMENICO RYAN J & DIGIANDOMENICO KRISTEN LEE	4-R14R-6.1
DU	DIGIANDOMENICO RYAN J & DIGIANDOMENICO KRISTEN LEE	4-R14R-7
DV	NEWMAN LEWIS S V & C L	4-R14R-8
DW	ALBERTINI BERNARD F & C A	4-R14R-9
DX	FITZPATRICK ALAN H & ROSE BETTY C	4-R14R-10
DY	PORCH CHARLES	4-R14R-11
DZ	SHULTZ MICHAEL A	4-R14R-12
EA	BELLI DINO P & MEGAN R	4-R14R-13.1
EB	BELLI DINO P & MEGAN R	4-R14R-13
EC	BELLI DINO P & MEGAN R	4-R14R-14
ED	PLEVA THOMAS M & BARBARA J	4-R14R-15
EE	SEIVERTSON DAVID J & TRACIE L	4-R14R-16
EF	GRIFFITH NORMA V	4-R14M-12
EG	GRIFFITH N V & J E	4-R14M-11
EH	GRIFFITH DOROTHY V	4-R14M-10
EI	FORTUNA ALEX C JR	4-R14M-9
EJ	FORTUNA ALEX C JR	4-R14M-4
EK	FORTUNA ALEX C JR	4-R14M-4
EL	GRIFFITH DOROTHY V	4-R14M-2
EM	GRIFFITH VINCENT A & RITA L	4-R14M-2.9
EN	GRIFFITH RITA L & VINCENT A JR, TRUSTEE	4-R14M-2.10
EO	GRIFFITH DOROTHY V	4-R14M-2.6
EP	GRIFFITH DOROTHY V	4-R14M-2.3
EQ	KOLAS LINDA L ET AL	4-R14M-1
ER	GRIFFITH DOROTHY V	4-R14M-2.8
ES	GANGA PRABHAKAR & KEKA	4-R14H-36
ET	BERARDINELLI JON L & STEPHANIE	4-R14H-38
EU	KELLY JAMES & CAROLINE	4-R14H-7
EV	KELLY JAMES & CAROLINE	4-R14H-6.1
EW	COSTANZO KATHLEEN A - TOD	4-R14H-6.2
EX	COSTANZO KATHLEEN A - TOD	4-R14H-6
EY	TORISEVA TERESA C & JOSHUA D MILLER	4-R14H-5
EZ	MYNDRSKU SILVIA & MARTIN JOHN	4-R14H-4
FA	AULICK NEAL F II & GINGER G	4-R14H-11
FB	ANDREAS THOMAS G & K S (TOD)	4-R14H-10
FC	LONGO LOUIS	4-R14H-9
FD	EDGMON JEREMY J AND KARI C	4-R14H-18
FE	GEYER ANTOINETTE C	4-R14H-30
FF	KOVALESKY RAY AND LESLIE	10-W14H-29
FG	KOVALESKY RAY AND LESLIE	10-W14H-2
FH	KOVALESKY RAY AND LESLIE	10-W14H-3
FI	CHMEL ELISA A & DEAN T	10-W14H-4
FJ	CHMEL ELISA A & DEAN T	10-W14H-1.3
FK	MCCOMBS DAVID BRADLEY	10-W14H-5
FL	DEGUZMAN CRISTINA L	4-R14-35
FM	HUGHES MARY ELIZABETH	4-R14-36
FN	WHEELING PARK COMMISSION	4-R14-15.1
FO	WHEELING PARK COMMISSION	4-R14-15.2
FP	CITY OF WHEELING	4-R14-15
FQ	PARKS SYSTEM TRUST FUND OF WHEELING	4-R11-21.3
FR	WHEELING PARK COMMISSION	4-R14-91
FS	WHEELING PARK COMMISSION	4-R11-21.4
FT	WHEELING PARK COMMISSION	4-R11-20.1
FU	SISTERS OF ST JOSEPH OF WHG	4-R11-20
FV	SISTERS OF ST JOSEPH OF WHG	4-R11-21
FW	KEEFER FRANK JAY - TOD	4-R11-21.28
FX	KEEFER F JAY	4-R11L-39
FY	RICE BLAISE A	4-R11L-31
FZ	SPIELVOGEL TODD J	4-R11L-32
GA	RUCKMAN MARY ANN TRUST & K CUSTER & D BAUKNECHT TEES	4-R11L-29
GB	MARTIN NATHANIEL M & SCARNECHIA BRANDI L	4-R11L-8
GC	WADSWORTH GARY M & N A	4-R11L-9.1
GD	PADDEN BETH ANN & KARGE LINDA S	4-R11L-9
GE	DERICO DEBORAH KAY - TOD	4-R11L-10
GF	PISSOS DONNA JEAN - TOD	4-R11L-11.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
GG	CAMPBELL WM P & SUZANNE	4-R11L-12
GH	MOORE CHERYL IRENE ET AL	4-R11G-19
GI	FULOP JOZSEF A & C L	4-R11G-18
GJ	COWAN JACQUELYN J	4-R11G-17.1
GK	DOYLE LYNETTE - TOD	4-R11G-17
GL	REINEKE JAMES H & D L	4-R11G-27.1
GM	CUNNINGHAM ERIN L & MICHAEL A	4-R11G-31.1
GN	CUNNINGHAM ERIN L & MICHAEL A	4-R11G-31
GO	GREENE MICHAEL J	4-R11G-32
GP	CUNNINGHAM ERIN L & MICHAEL A	4-R11G-32.1
GQ	MILLER OLIVIA M	4-R11G-27
GR	SCHRAMM ALEXANDER M & ALESHIA M SCHRAMM	4-R11-16.18
GS	KLOS MARIE A	4-R11-16
GT	PROTESTANT EPISCOPAL CHURCH DIOCESE OF WV TRUSTEES	4-R11-16.1
GU	PROTESTANT EPISCOPAL CHURCH DIOCESE OF WV TRUSTEES	4-R11-16.2
GV	LAWRENCEFIELD CHAPEL TRUSTEES	4-R11-16.8
GW	MOLNAR KRISTINE N	4-R11-16.4
GX	MOLNAR KRISTINE N	4-R11-13.1
GY	MOLNAR KRISTINE N	4-R11-13.4
GZ	NEUMANN KURT ROBERT	4-R11-13
HA	TUNNEL RIDGE LLC	4-R8-62.4
HB	TUNNEL RIDGE LLC	4-R8P-14
HC	WEAVER SHIRLEY M	4-R8P-2
HD	TUNNEL RIDGE LLC	4-R8P-16
HE	CRAFT JOSEPH W III FOUNDATION	4-R8-51
HF	MCGEE JOHN M	4-R8P-17
HG	GAYDA DONALD P	4-R8P-18
HH	BOND CHARLES R	4-R8K-110
HI	SCHWERTFEGER TYLER S	4-R8K-111
HJ	SCHWERTFEGER TYLER S	4-R8K-112
HK	REED ELMER & JOY	4-R8K-105
HL	BOZENSKA B H AND OKELLEY K J	4-R8K-104
HM	WILSON RAY B & ANN M	4-R8-62.7
HN	MILLARD BRITTANY LYNN	4-R8-62.6
HO	MULDREW DAVID R & KAREN	4-R8K-101
HP	TAYLOR DELORA L - TOD	4-R8K-100
HQ	MAJEWSKI KASMIR & MAJEWSKI EDWARD A	4-R8-62.2
HR	MAJEWSKI KASMIR & MAJEWSKI EDWARD A	4-R8-62.8
HS	WRIGHT TAMMY L	4-R11G-30
HT	SCHNEIDER CAROLYN JAN	4-R11G-30.1
HU	SOBRAY J TRUST; SOBRAY JANICE C TRUSTEE	4-R11G-34
HV	PEKLINSKY JAMES S & MONICA J	4-R11G-35.1
HW	MICHAELS DIANA J	4-R11G-35
HX	LAWSON JOYCE A - TOD	4-R11G-21.1
HY	SHACKELFORD JEFFREY D & JODI A	4-R11G-36
HZ	SCHMITT JEAN M	4-R14-31.2
IA	SCHMITT JEAN M	4-R14-33.2
IB	SCHMITT LUKE T & NICOLE K	4-R14-33.4
IC	SCHMITT LUKE T & NICOLE K	4-R14-33.3
ID	ZAMBITO RICARDO D & CHERYL A	4-R14-33.1
IE	ZAMBITO RICARDO D & C A	10-W14H-18
IF	LESHUK GARY M & L B	10-W14H-17
IG	OLSAVSKY JOHN F AND JUDITH A	10-W14H-16
IH	MCCULLOUGH SAMUEL M & M	10-W14H-15
II	TUNNEY WILLIAM P	10-W14H-14
IJ	O'TOOLE WILLIAM A & ELEANOR F	10-W14H-13
IK	WHYTE LINDA A	10-W14H-27
IL	KYLE KELSEY A	10-W14H-28
IM	OCONNELL LESLIE	10-W14H-26
IN	DWYER SHELLEY A & VINCENT J JR	10-W14H-25
IO	GORDON BRUCE D	10-W14H-24
IP	DORSEY JOHN T III & L A	10-W14H-23

\*HIGHLIGHTED PARCELS MAY BE IMPACTED BY DRILLING ACTIVITY

11/01/2024

REVISIONS:

COMPANY: <b>SWN</b> Production Company, LLC		DATE: 09-03-2024	
OPERATOR'S: FRANZ THOMAN OHI		API NO: 47-069-XXXXX	
WELL #: 47-069-00372 8H		DRAWN BY: Z. WOOD	
DISTRICT: RICHLAND	COUNTY: OHIO	STATE: WV	SCALE: N/A
		DRAWING NO: 2018-781	
		WELL LOCATION PLAT	



WW-6A1  
(5/13)

Operator's Well No. Franz Thoman OHI 8H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
----------------------	-----------------------	-----------------------	---------	-----------

See Exhibit "A"

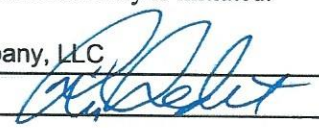
\*Potentially Impacted Parcels - Parcels that may be impacted during drilling.

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: SWN Production Company, LLC  
 By: Tim Ledet   
 Its: Staff Landman

## EXHIBIT "A"

Franz Thoman OHI 8H  
Ohio County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

Tract #	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	% Interest Not Leased by SWN
1	4-R8-62	Franz Thoman, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	827/5 885/644	0.00%
2	4-R8-62-5	Tunnel Ridge, LLC	SWN Production Company, LLC	17.00%	916/91	0.00%
3	4-R11-15	The Sandscrest Foundation, Incorporated	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	829/109 884/717	0.00%
4	4-R11-16-13	Shawn G. Stern and Aimee M. Stern, husband and wife	Fossil Creek Ohio, LLC Gulfport Energy Corporation American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	877/70 882/535 909/775 946/405	0.00%
5	4-R11G-28	Justine K. Crupe, a widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	841/148 885/25	0.00%
6	4-R11G-29	Michelle Leigh Campbell Bell, a married woman dealing in her sole and separate property  Robert Scott Campbell, a married man dealing in his sole and separate property  David Curtis Campbell, a single man  Marilyn Virginia Campbell, a widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC 15.00%	18.00%	872/353 884/681 878/177 895/484 878/172 895/491 971/766	0.00%
7	4-R11G-33	Garth L. Turner and Madelyn B. Turner, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	809/504 885/77	0.00%
8	4-R11G-34-1	Janice C. Sobray and William A. Novick, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	809/573 884/85	0.00%
9	4-R11G-22	Joyce A. Lawson, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	835/201 884/753	0.00%
10	4-R11G-21	Thomas E. Namack and Cheryl L. Namack a/k/a Cheryl Lynn Namack, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	840/222	0.00%

4706900372

EXHIBIT "A"  
 Franz Thoman OHI 8H  
 Ohio County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

11	4-R11G-20-1	Kimberly A. Glenn, a single woman	SWN Production Company, LLC	18.00%	937/375	0.00%
		Donald R. Dunaway	SWN Production Company, LLC	18.00%	937/380	0.00%
12	4-R11G-20-2	Wanda L. Derrrow, a widow	SWN Production Company, LLC	16.00%	955/403	0.00%
13	4-R11L-13	Joseph C. Eddy and Debra A. Eddy, husband and wife	SWN Production Company, LLC	18.00%	942/773 946/383	0.00%
14	4-R11L-14	Charles S. McFadden and Patricia E. McFadden	SWN Production Company, LLC	18.00%	938/458	0.00%
15	4-R11L-9-2	Beth Ann Padden, a single woman	Chesapeake Appalachia, L.L.C.	18.00%	807/658	0.00%
			SWN Production Company, LLC		883/391	
16	4-R11L-18-3	Joseph Forth, a/k/a Joseph R. Forth, widower	Chesapeake Appalachia, L.L.C.	18.00%	806/256	0.00%
			SWN Production Company, LLC		883/367	
17	4-R11L-18-2	Mary Sue Forth Visnic and David Paul Visnic, wife and husband	SWN Production Company, LLC	18.00%	1016/612	0.00%
18	4-R11L-18-1	Mary Sue Forth Visnic and David Paul Visnic, wife and husband	SWN Production Company, LLC	18.00%	1016/612	0.00%
19	4-R11L-26	Belinda Lee Dietrich, widow	Chesapeake Appalachia, L.L.C.	18.00%	813/435	0.00%
20	4-R11L-27	Mark C. Edge and Monica A. Edge, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	811/725	0.00%
			SWN Production Company, LLC		884/193	
21	4-R11L-28	The Mary Ann Ruckman Revocable Trust Agreement, Mary Ann Ruckman, Trustee	Chesapeake Appalachia, L.L.C.	18.00%	834/339	0.00%
			SWN Production Company, LLC		884/753	
22	4-R11-21-5	Trustees of the Parks System Trust Fund of Wheeling, a perpetual charitable Trust; and The Parks System Trust Fund of Wheeling	Chesapeake Appalachia, L.L.C.	14.00%	798/718	0.00%
			SWN Production Company, LLC		885/776	
23	4-R11-21-7	Trustees of the Parks System Trust Fund of Wheeling, a perpetual charitable Trust; and The Parks System Trust Fund of Wheeling	Chesapeake Appalachia, L.L.C.	14.00%	798/718	0.00%
			SWN Production Company, LLC		885/776	
24	4-R11-21-6	The Wheeling Park Commission	Chesapeake Appalachia, L.L.C.	14.00%	819/617	0.00%
			SWN Production Company, LLC		885/776	
		Trustees of the Parks System Trust Fund of Wheeling, a perpetual charitable Trust; and The Parks System Trust Fund of Wheeling	Chesapeake Appalachia, L.L.C.	14.00%	798/718	0.00%
			SWN Production Company, LLC		885/776	

11/01/2024

4706900372

EXHIBIT "A"  
 Franz Thoman OHI 8H  
 Ohio County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

25	4-R14-20-4	Trustees of the Parks System Trust Fund of Wheeling, a perpetual charitable Trust; and The Parks System Trust Fund of Wheeling	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	14.00%	798/718  885/776	0.00%
26	4-R14-20-2	Trustees of the Parks System Trust Fund of Wheeling, a perpetual charitable Trust; and The Parks System Trust Fund of Wheeling	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	14.00%	798/718  885/776	0.00%
27	4-R14-20-5	The Wheeling Park Commission	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	14.00%	819/617  885/776	0.00%
28	4-R14-20-1	Trustees of the Parks System Trust Fund of Wheeling, a perpetual charitable Trust; and The Parks System Trust Fund of Wheeling	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	14.00%	798/718  885/776	0.00%
29	4-R14-34	Frank Talenfeld and Myra J. Lebow, husband and wife	SWN Production Company, LLC	18.00%	962/319	0.00%
30	10-W14H-6	Douglas J. Merriman and Joanna L. Merriman, husband and wife	SWN Production Company, LLC	18.00%	961/782	0.00%
31	10-W14H-7	Anthony J. Leo Jr. and Christine Leo, husband and wife	SWN Production Company, LLC	18.00%	969/279	0.00%
32	10-W14H-8	Gregory A. Zuk, married, dealing in his separate property	SWN Production Company, LLC	18.00%	962/301	0.00%
33	10-W14H-9	Traci L. Naples, a single woman  Sharon K. Scott, a single woman	SWN Production Company, LLC  SWN Production Company, LLC	18.00%	925/175  925/169	0.00%
34	10-W14H-10	Luke A. Thomas and Ashley N. Thomas, husband and wife	SWN Production Company, LLC	18.00%	962/289	0.00%
35	10-W14H-11	Luke A. Thomas and Ashley N. Thomas, husband and wife	SWN Production Company, LLC	18.00%	962/289	0.00%
36	10-W14H-12	Joyce A. Gillispie, widow	SWN Production Company, LLC	18.00%	966/288	0.00%
37	4-R14H-8	Maryann N. Carter	SWN Production Company, LLC	18.00%	969/303	0.00%
38	4-R14H-1	Robert L. Vawter and Maryann N. Cater, husband and wife	SWN Production Company, LLC	18.00%	969/303	0.00%
39	4-R14H-2	Douglas W. Clatterbuck and Crystal L. Clatterbuck, husband and wife	SWN Production Company, LLC	18.00%	971/001	0.00%
40	4-R14H-3	Nancy Ann Georges, married dealing in her separate property	SWN Production Company, LLC	17.00%	983/177	0.00%
41	4-R14-31-30	Oglebay Foundation Properties, Inc., by G. Randolph Worls, CEO and President	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	14.00%	798/739  889/267	0.00%
42	4-R14M-2-5	Oglebay Foundation Properties, Inc., by G. Randolph Worls, CEO and President	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	14.00%	798/739  885/776	0.00%
43	4-R14M-2-4	Oglebay Foundation Properties, Inc., by G. Randolph Worls, CEO and President	Chesapeake Appalachia, L.L.C.  SWN Production Company, LLC	14.00%	798/739  885/776	0.00%

11/01/2024

## EXHIBIT "A"

Franz Thoman OHI 8H

Ohio County, West Virginia

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

44	4-R14M-2-7	Norma V. Griffith, a widow	SWN Production Company, LLC	18.00%	967/270	0.00%
45	4-R15-15	Charles R. Witt and Brenda K. Witt, husband and wife	Chesapeake Appalachia, L.L.C.	14.00%	799/105	0.00%
			SWN Production Company, LLC		916/558	
46	4-R14R-34	Norma V. Griffith, a widow	SWN Production Company, LLC	18.00%	967/270	0.00%
47	4-R15-13	David L. Harmon, Jr. and Kimberly S. Harmon, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	837/397	0.00%
			SWN Production Company, LLC		884/789	
48	4-R18-4	WesBanco Trust and Investment Services, Trustee of the Generation-Skipping Trust f/b/o Cassie Ellen Cox, under the Trust Agreement of Alice K. McLaughlin dated January 6, 2000	Chesapeake Appalachia, L.L.C.	18.00%	813/158	0.00%
			SWN Production Company, LLC		884/469	
		WesBanco Trust and Investment Services, Trustee of the Generation-Skipping Trust f/b/o A. Lee McLaughlin, Jr., under the Trust Agreement of Alice K. McLaughlin dated January 6, 2000	Chesapeake Appalachia, L.L.C.	18.00%	813/164	0.00%
			SWN Production Company, LLC		884/469	
		WesBanco Trust and Investment Services, Trustee of the Generation-Skipping Trust f/b/o Beth Ellen Voltz, under the Trust Agreement of Alice K. McLaughlin dated January 6, 2000	Chesapeake Appalachia, L.L.C.	18.00%	813/176	0.00%
			SWN Production Company, LLC		884/469	
49	4-R18-4-1	A. Lee McLaughlin, Jr. and Kathleen A. McLaughlin, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	814/306	0.00%
			SWN Production Company, LLC		884/469	
50	4-R18-20	Mary Beth LaFollett, married, and Kayla Marie Britton, single	Chesapeake Appalachia, L.L.C.	14.00%	854/703	0.00%
			SWN Production Company, LLC		885/77	
51	4-R18-21-3	Christpher N. LaFollett, a widower	SWN Production Company, LLC	14.00%	1019/789	0.00%
		Kayla Marie Britton, a single woman	SWN Production Company, LLC	14.00%	1019/795	0.00%
52	4-R18-24	Ronald L. Ross and Heather Ann Ross	SWN Production Company, LLC	18.00%	1072/686	0.00%
53	4-R18-27-2	Master Mineral Holdings II, LP	SWN Production Company, LLC	18.00%	1005/762	0.00%
54	4-R18-27-1	The Hoffman Family Trust, Dale E. Hoffman and Shirley L. Hoffman, Co-Trustees	Chesapeake Appalachia, L.L.C.	12.50%	802/733	0.00%
			SWN Production Company, LLC		883/415	
AU	4-R11L-18	Joseph Forth, a/k/a Joseph R. Forth, widower	Chesapeake Appalachia, L.L.C.	18.00%	806/256	0.00%
			SWN Production Company, LLC		883/367	
AX	4-R11-23	John W. Pascoli and Sheila Ann Pascoli, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	833/313	0.00%
			SWN Production Company, LLC		884/741	

EXHIBIT "A"  
 Franz Thoman OHI 8H  
 Ohio County, West Virginia

4706900372

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator

AY	4-R11-21.42	Ohio County Public Service District	Chesapeake Appalachia, L.L.C.	18.00%	809/277	0.00%
			SWN Production Company, LLC		884/61	
CO	4-R18-23.1	John G. Hoffman	Chesapeake Appalachia, L.L.C.	18.00%	813/613	0.00%
			SWN Production Company, LLC		884/457	
CZ	4-R18-21	Frank Allen Perko and Mary Ann Perko, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	808/249	0.00%
			SWN Production Company, LLC		883/403	
EO	4-R14M-2-6	Dorothy V. Griffith, a widow	SWN Production Company, LLC	18.00%	970/479	0.00%
EZ	4-R14H-4	Sylvia Myndresku and John Martin, as joint tenants with right of survivorship	SWN Production Company, LLC	18.00%	971/609	0.00%
FC	4-R14H-9	Philip Joseph DeMailo, Jr. and Susan McCloud DeMailo, husband and wife	SWN Production Company, LLC	18.00%	965/664	0.00%
GE	4-R11L-10	Deborah Kay Dericco f/k/a Deborah Kay Schrader, a single woman	SWN Production Company, LLC	18.00%	924/579	0.00%
GF	4-R11L-11-1	Tony M. Pissos and Donna J. Pissos, husband and wife	SWN Production Company, LLC	18.00%	934/635	0.00%
GO	4-R11G-32	Michael J. Greene and Laura L. Greene, husband and wife	Chesapeake Appalachia, L.L.C.	18.00%	809/613	0.00%
			SWN Production Company, LLC		884/97	
HU	4-R11G-34	Janice C. Sobray and William A. Novick, wife and husband	Chesapeake Appalachia, L.L.C.	18.00%	809/573	0.00%
			SWN Production Company, LLC		884/85	
HY	4-R11G-36	Diana Lynn Shackelford, single	SWN Production Company, LLC	18.00%	959/344	0.00%

END OF EXHIBIT "A"

\*Potentially Impacted Parcels - Parcels that may be impacted during drilling.

11/01/2024



SWN Production Company, LLC  
1300 Fort Pierpont Dr, Ste 201  
Morgantown, WV 26508  
Tel: 304 884 1610  
Fax: 304 471 2497  
www.swn.com

August 27, 2024

6706900372

Mr. Charles Brewer  
WV DEP Office of Oil & Gas  
601 57<sup>th</sup> St., SE  
Charleston, WV 25304

**RE:** SWN's proposed New Well: Franz Thoman OHI 8H in Ohio County, West Virginia, drilling under Longvue Acres Road, GC and P Road, McColloch Drive, Jo Betty Road, Golf Club Drive, Oglebay Drive, Crosby Drive, Trent Jones Lane, Crispen Court, Speidel Drive, Alpine Court, Aaron Woods Court, and Peters Run Road.

Dear Mr. Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well, and the State of West Virginia has raised some concerns as to SWN's right to drill under Longvue Acres Road, GC and P Road, McColloch Drive, Jo Betty Road, Golf Club Drive, Oglebay Drive, Crosby Drive, Trent Jones Lane, Crispen Court, Speidel Drive, Alpine Court, Aaron Woods Court, and Peters Run Road. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Timothy F. Ledet  
Staff Landman  
SWN Production Company, LLC

RECEIVED  
Office of Oil and Gas  
SEP 27 2024  
WV Department of  
Environmental Protection



The Right People doing the Right Things,  
wisely investing the cash flow from our  
underlying Assets, will create Value+®

11/01/2024

WW-PN  
(11-18-2015)

**Horizontal Natural Gas Well Work Permit  
Application Notice By Publication**

**Notice is hereby given:**

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

**Paper:** The Intelligencer

**Public Notice Date:** August 27, 2024 & September 3, 2024

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

**Applicant:** SWN Production Company, LLC **Well Number:** Franz Thoman OHI 8H

**Address:** 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

**Business Conducted:** Natural gas production.

**Location –**

State:	<u>West Virginia</u>	County:	<u>Ohio</u>	RECEIVED Office of Oil and Gas  <b>SEP 27 2024</b>  WV Department of Environmental Protection
District:	<u>Richland</u>	Quadrangle:	<u>Tiltonsville</u>	
UTM Coordinate NAD83 Northing:	<u>4,442,983</u>			
UTM coordinate NAD83 Easting:	<u>528,965</u>			
Watershed:	<u>Upper Ohio South</u>			

**Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: [http://tagis.dep.wv.gov/convert/llutm\\_conus.php](http://tagis.dep.wv.gov/convert/llutm_conus.php)

**Electronic notification:**

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

**Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to [DEP.comments@wv.gov](mailto:DEP.comments@wv.gov).

**Submitting Comments:**

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57<sup>th</sup> Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

11/01/2024



**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE CERTIFICATION**

Date of Notice Certification: 9/23

API No. 47- 069 - \_\_\_\_\_  
Operator's Well No. Franz Thoman OHI 8H  
Well Pad Name: Franz Thoman OHI

**Notice has been given:**

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>528965.38</u>
County:	<u>069-Ohio</u>		Northing:	<u>4442983.07</u>
District:	<u>Richland</u>	Public Road Access:	<u>Cherry Hill Road CR 3</u>	
Quadrangle:	<u>Tiltonsville</u>	Generally used farm name:	<u>Franz Thoman</u>	
Watershed:	<u>Upper Ohio South</u>			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:

\*PLEASE CHECK ALL THAT APPLY

- 1. NOTICE OF SEISMIC ACTIVITY or  NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED
- 2. NOTICE OF ENTRY FOR PLAT SURVEY or  NO PLAT SURVEY WAS CONDUCTED
- 3. NOTICE OF INTENT TO DRILL or  NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or  WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)
- 4. NOTICE OF PLANNED OPERATION
- 5. PUBLIC NOTICE
- 6. NOTICE OF APPLICATION

RECEIVED  
Office of Oil and Gas

SEP 27 2024

WV Department of  
Environmental Protection

**OOG OFFICE USE ONLY**

- RECEIVED/  
NOT REQUIRED
- RECEIVED
- RECEIVED/  
NOT REQUIRED
- RECEIVED
- RECEIVED
- RECEIVED

**Required Attachments:**

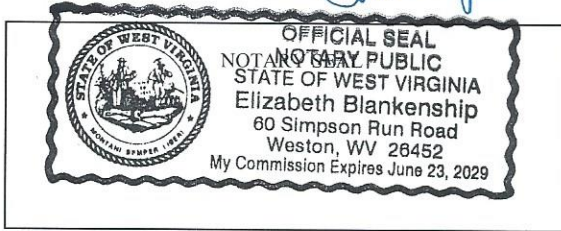
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

4706900372

**Certification of Notice is hereby given:**

THEREFORE, I Brittany Woody, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator:	<u>SWN Production Co., LLC</u>	Address:	<u>1300 Fort Pierpont Dr., Suite 201</u>
By:	<u>Brittany Woody</u>		<u>Morgantown, WV 26508</u>
Its:	<u>Staff Regulatory Specialist</u>	Facsimile:	<u>304-884-1690</u>
Telephone:	<u>304-884-1610</u>	Email:	<u>Brittany_Woody@swn.com</u>



Subscribed and sworn before me this 2 day of May 2024  
Elizabeth Blankenship Notary Public  
 My Commission Expires 6/23/2024

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [deprivacyofficer@wv.gov](mailto:deprivacyofficer@wv.gov).

RECEIVED  
 Office of Oil and Gas  
 SEP 27 2024  
 Environmental Protection

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 9/23 Date Permit Application Filed: 9/23

Notice of:

- PERMIT FOR ANY WELL WORK       CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE       REGISTERED MAIL       METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice    WSSP Notice    E&S Plan Notice    Well Plat Notice is hereby provided to:

SURFACE OWNER(s)  
Name: Franz Thoman  
Address: 17 Oskar Place  
Wheeling, WV 26003

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
Name: Franz Thoman  
Address: 17 Oskar Place  
Wheeling WV 26003

COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: None  
Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
SEP 27 2024  
WV Department of Environmental Protection

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** \_\_\_\_\_ **Date Permit Application Filed:** \_\_\_\_\_

**Notice of:**

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

**Delivery method pursuant to West Virginia Code § 22-6A-10(b)**

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice  WSSP Notice  E&S Plan Notice  Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: Alliance Resources GP LLC Attn: Evan Midler

Address: 2596 Battle Run Road

Triadelphia, WV 26059

COAL OPERATOR

Name: \_\_\_\_\_

Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_

Address: \_\_\_\_\_

RECEIVED  
State of Oil and Gas

\*Please attach additional forms if necessary

SEP 27 2024

11/01/2024

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

**This Notice Shall Include:**

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

RECEIVED  
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Office of Oil and Gas

SEP 27 2024

**Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

11/01/2024

WW-6A  
(8-13)

4706900372  
API NO. 47-069  
OPERATOR WELL NO. Franz Thoman OHI 8H  
Well Pad Name: Franz Thoman OHI

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

**Water Well Testing:**

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

**Water Testing Laboratories:**

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

**Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:**

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

**Written Comment:**

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

RECEIVED  
Office of Oil and Gas

SEP 27 2024

Environmental Protection

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

■ 11/01/2024

**Time Limits and Methods for Filing Comments.**

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

**Comment Requirements**

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

**Permit Denial or Condition**

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

RECEIVED  
Office of Oil and Gas  
SEP 27 2024  
WV Department of  
Environmental Protection

11/01/2024

WW-6A  
(8-13)

API No. 47-06900372  
OPERATOR WELL NO. Franz Thoman OHI 8H  
Well Pad Name: Franz Thoman OHI

**Notice is hereby given by:**

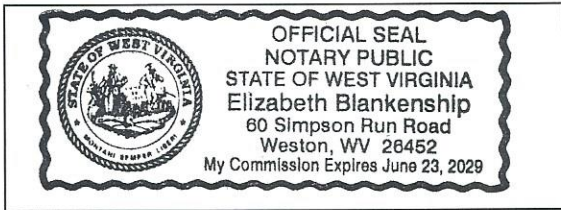
Well Operator: SWN Production Co., LLC  
Telephone: 304-884-1610  
Email: Brittany\_Woody@swn.com

*Brittany Woody*

Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Facsimile: 304-884-1690

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



Subscribed and sworn before me this 2 day of May, 2024.  
Elizabeth Blankenship Notary Public  
My Commission Expires 6/23/2029

RECEIVED  
Office of Oil and Gas

SEP 27 2024

WV Department of  
Environmental Protection

11/01/2024



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Notice: 10/31/2022 Date of Planned Entry: 11/7/2022

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)

Name: Franz Thoman  
Address: 17 Oskar Place  
Wheeling, WV 26003

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: Franz Thoman  
Address: 17 Oskar Place  
Wheeling, WV 26003

MINERAL OWNER(s)

Name: Franz Thoman  
Address: 17 Oskar Place  
Wheeling, WV 26003

\*please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
SEP 27 2024  
WV Department of  
Environmental Protection

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia	Approx. Latitude & Longitude: 40.136776, -80.660317
County: Ohio	Public Road Access: Cherry Hill Rd CR 3
District: Richland	Watershed: Short Creek
Quadrangle: Tiltonsville	Generally used farm name: Franz Thoman

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Notice is hereby given by:

Well Operator: SWN PRODUCTION COMPANY, LLC	Address: 1300 Fort Pierpont Dr., Suite 201
Telephone: 304-884-1610	Morgantown, WV 26508
Email: <a href="mailto:briffany_woody@swn.com">briffany_woody@swn.com</a>	Facsimile: 304-884-1690

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

11/01/2024

99 00 00 00 00 00

272000000000

2/18

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF PLANNED OPERATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 09/05/2024      **Date Permit Application Filed:** 9/23

**Delivery method pursuant to West Virginia Code § 22-6A-16(c)**

- CERTIFIED MAIL                                       HAND  
RETURN RECEIPT REQUESTED                                      DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

**Notice is hereby provided to the SURFACE OWNER(s)**

(at the address listed in the records of the sheriff at the time of notice):

Name: Franz Thoman  
Address: 17 Oskar Place  
Wheeling, WV 26003

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>WV</u>	UTM NAD 83	Easting:	<u>528965.38</u>
County:	<u>OHIO</u>		Northing:	<u>4442983.07</u>
District:	<u>RICHLAND</u>	Public Road Access:	<u>CHERRY HILL ROAD</u>	
Quadrangle:	<u>TILTONSVILLE, OH-WV</u>	Generally used farm name:	<u>FRANZ THOMAN</u>	
Watershed:	<u>UPPER OHIO SOUTH</u>			

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: SWN Production Company, LLC  
Telephone: 304-231-8329  
Email: reid\_croft@swn.com

Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Facsimile: \_\_\_\_\_

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

RECEIVED  
Office of Oil and Gas

**SEP 27 2024**

WV Department of  
Environmental Protection

**11/01/2024**



4706900372

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager  
District Four

Post Office Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Alanna J. Keller, P.E.  
Deputy Secretary of Transportation  
Deputy Commissioner of Highways

Jimmy Wriston, P. E.  
Secretary of Transportation  
Commissioner of Highways

May 2, 2024

James A. Martin, Chief  
Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Subject: DOH Permit for the Franz Thoman Well Pad, Ohio County  
Franz Thoman OHI 8H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0722 which has been issued to SWN Production Company, LLC for access to the State Road for a well site located off Ohio County Route 3 SLS MP 2.66.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Lacy D. Pratt  
Central Office O&G Coordinator

RECEIVED  
Office of Oil and Gas

SEP 27 2024

Office of  
Environmental Protection

Cc: Brittany Woody  
SWN Production Company, LLC  
OM, D-6  
File

4706900372

## Attachment VI Frac Additives

Product Name	Product Use	Chemical Name	CAS Number
HCL	Solvent	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
FSTI-CI-02	Corrosion Inhibitor	2-Butoxyethanol	111-76-2
		Ethylene glycol	107-21-1
		N,N-Dimethylformamide	68-12-2
		benzyl chloridequaternized	72480-70-7
		Cinnamaldehyde	104-55-2
		Isopropyl alcohol	67-63-0
		Poly(oxy-1,2-ethanediy), .alpha.-(nonylphenyl)- .omega.-hydroxy-	9016-45-9
		1-Decanol	112-30-1
		1-Octanol	111-87-5
		Triethyl phosphate	78-40-0
Ferriplex 80	Iron Control	Sodium Erythorbate	6381-77-7
Tolicide 4Frac	Biocide	Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8
		Quaternary ammonium compounds	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
Plexslick 930	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Oleic Acid Diethanolamide	93-83-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Ammonium Chloride	12125-02-9
		Sodium Chloride	7647-14-5
Plexaid 655NM	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
Plexslick V996	Friction Reducer	Hydrotreated Petroleum Distillate	64742-47-8
		Water	7732-18-5
		copolymer of 2-propenamide	69418-26-4
		Alcohol Ethoxylate Surfactants	68551-12-2
		Sodium Chloride	7647-14-5
Plexaid 655WG	Scale Inhibitor	ORGANIC PHOSPHONIC ACIDS SALTS	15827-60-8
		Water	7732-18-5
		Glycerin	67-56-1
Clearal 270	Biocide	Glutaraldehyde	111-30-8
		Didecyldimethylammonium Chloride	7173-51-5
		Quaternary Ammonium compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
		Water	7732-18-5
StimSTREAM SC 398 CW	Scale Inhibitor	Ethylene glycol	107-21-1
		CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5
StimSTREAM FR 9800	Friction Reducer	Chemstream-Alkane-00001	Chemstream-Alkane-00001
		Chemstream-Polymer-00001	Chemstream-Polymer-00001
		Ethoxylated alcohols (C12-16)	68551-12-2
		Water	7732-18-5
StimSTREAM FR 2800	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9
		Water	7732-18-5
StimSTREAM FR 9725	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium Chloride	12125-02-9
		Water	7732-18-5
StimSTREAM SC 398 C	Scale Inhibitor	CHEMSTREAM-Polymer-10001	CHEMSTREAM-Polymer-10001
		CHEMSTREAM-Polymer-10002	CHEMSTREAM-Polymer-10002
		Water	7732-18-5

As of 7/5/2023

RECEIVED  
Office of Oil and Gas

SEP 27 2024

Environmental Protection  
11/01/2024

OPERATOR: SWN Production Co., LLC

WELL NO: Franz Thoman OHI 8H

PAD NAME: Franz Thoman OHI

REVIEWED BY: \_\_\_\_\_

SIGNATURE: *Brittany Noddy*

### WELL RESTRICTIONS CHECKLIST

#### HORIZONTAL 6A WELL

#### Well Restrictions

**\*\*Pad Built 8/15/2019**

At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR

DEP Waiver and Permit Conditions

At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR

DEP Waiver and Permit Conditions

At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR

DEP Waiver and Permit Conditions

At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

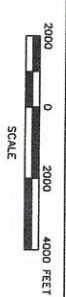
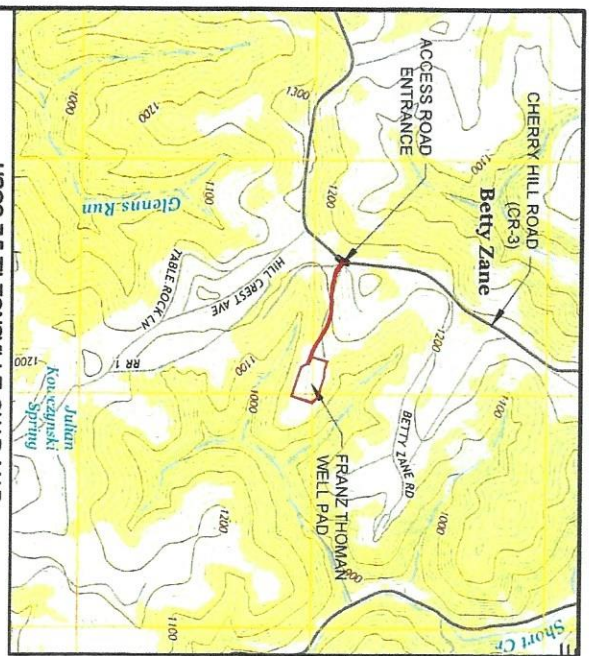
DEP Variance and Permit Conditions

RECEIVED  
Office of Oil and Gas

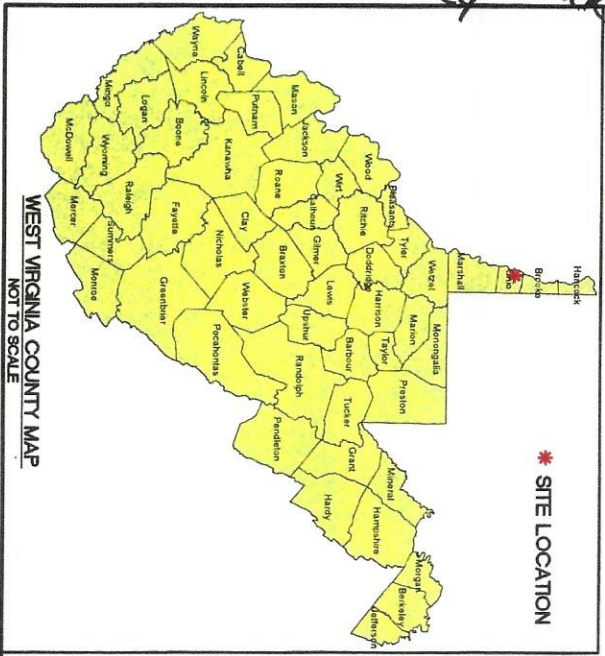
SEP 27 2024

11/01/2024  
Environmental Protection

*Handwritten:* STRADLER LOWE  
8/22/2024



TOTAL DISTURBED AREA: 22.65 ACRES  
ROAD DISTURBED AREA: 3.67 ACRES  
PAD DISTURBED AREA: 12.98 ACRES



# FRANZ THOMAN OHI WELL PAD

## CONSTRUCTION & RECLAMATION PLAN

RICHLAND DISTRICT, OHIO COUNTY, WEST VIRGINIA  
APRIL 2019

11/01/2024

**LOCATION COORDINATES:**  
ACCESS ROAD ENTRANCE  
LATITUDE: 40.137954 LONGITUDE: -80.666248 (NAD-83)  
N 4443122.33 E 528431.58 (UTM ZONE 17 METERS)

**WELL PAD CENTER**  
LATITUDE: 40.136776 LONGITUDE: -80.660317 (NAD-83)  
N 4442993.49 E 528937.33 (UTM ZONE 17 METERS)

**ENTRANCE PERMIT:**  
SWM WILL OBTAIN AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

**NOTES:**  
A GEOTECHNICAL INVESTIGATION REPORT HAS BEEN COMPLETED ON JULY 3, 2018 BY LARSON DESIGN GROUP. TOPOGRAPHICAL INFORMATION FIELD VERIFIED WITHIN LOD. REMAINDER SHOWN IS AS PROVIDED BY SWM.

RECEIVED  
Office of Oil and Gas  
SEP 27 2024

**LIMITS OF DISTURBANCE BY PROPERTY:**

PROPERTY #	PROPERTY OWNER	ACRES DISTURBED
R8P-14	TUNNEL RIDGE, LLC	0.069 ACRES
R8P-16	TUNNEL RIDGE, LLC	0.090 ACRES
R8-62	FRANZ THOMAN	21.070 ACRES
R8-62.4	TUNNEL RIDGE, LLC	1.417 ACRES

**SHEET INDEX**

- 1 COVER SHEET
- 2-3 EVACUATION ROUTE/PREVAILING WINDS
- 4 OVERALL SITE PLAN
- 5-7 SITE PLAN
- 8 OVERALL CROSS SECTION LAYOUT
- 9-10 ACCESS ROAD & PRIVATE ROAD PROFILES
- 11-14 ACCESS ROAD CROSS SECTIONS
- 15 WELL PAD PROFILE
- 16 STOCKPILE PROFILE
- 17-19 WELL PAD CROSS SECTIONS
- 20-22 SITE RECLAMATION PLAN
- 22-30 CONSTRUCTION DETAILS
- 31-35 CELLAR DETAILS

**APPROVED**  
**WDEP 00G**  
5/17/2019

**ENGINEERING ESTIMATE OF QUANTITIES**

DESCRIPTION	CUT (CY)	FILL
ASPHALT PAVEMENT	3400	
4" - 1-1/2" MINUS CRUSHER RUN	3225	
12" - SOIL CEMENT (8% CEMENT ONLY)	687	
INSTALL MOUNTABLE BERM	30	
ACCESS ROAD ROCK LINED CHANNEL	1070	
TOE KEY DRAIN PIPE	1140	
BONDING BENCH EXCAVATION	860	
GEOTEXTILE FABRIC	750	
STRAW SLOPE MATTING	27588	
18" COMPOST SOCK	475	
24" COMPOST SOCK	3019	
PAD PERIMETER ROCK LINED CHANNEL	1800	
WELL PAD CATCH BASIN & OUTLET	4	
18" HDPE CULVERT W/ OUTLET	1640	
<b>EARTHWORK</b>		
MAIN ACCESS ROAD	4200	108
PRIVATE GRAVEL ACCESS ROAD	5	7
PRIVATE PAVED ACCESS ROAD	50	16
WELL PAD	38300	195
STOCKPILE	0	123

**NOTE:**  
QUANTITIES SHOWN UNDER THE EARTHWORK CATEGORY ARE FINAL GRADE AND SUBGRADE EXCAVATION. ANY EXCAVATION SHOWN IN THE SITE QUANTITIES CATEGORY ARE ADDITIONAL.

**SWM QUICK ESTIMATE**  
**FRANZ THOMAN OHI WELL PAD**

Item Description	Unit	Quantity
Mobilization	Each Machine	N/A
Cleaning/Guiding (Topsoil Removal Only)	Ac.	9.24
Gravel	C.Y.	78.85
2" - 1/2" - 1/2" Milsa Crusher Run Limestone	Ton	750
12" - Soil Cement (8% cement only)	C.Y.	3,225
Spreading Stone	Ton	887
Topsoil	C.Y.	N/A
Topsoil	C.Y.	4,000
Topsoil	C.Y.	1,140
Pad Perimeter Channel	Each Outlet	4
Seed & Straw Mutch	Ac.	0.00
12" Fiber Stock	S.Y.	27,588
18" Fiber Stock	L.F.	N/A
24" Fiber Stock	L.F.	475
32" Fiber Stock	L.F.	3,019
Super Silt Fence	L.F.	N/A

MISS Utility of West Virginia  
1-800-245-4848  
West Virginia State Law  
(Section XIV, Chapter 24-C)  
Requires that you call two business days before you dig in the state of West Virginia.  
IT'S THE LAW!!

