



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, May 22, 2023
WELL WORK PERMIT
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for Nick Ballato BRK 10H
47-009-00335-00-00

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: Nick Ballato BRK 10H
Farm Name: Nicholas & Christopher Ballato
U.S. WELL NUMBER: 47-009-00335-00-00
Horizontal 6A New Drill
Date Issued: 5/22/2023

Promoting a healthy environment.

05/26/2023

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.

05/26/2023

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 009- Brooke 02-Cross 620-Steubenville
Operator ID County District Quadrangle

2) Operator's Well Number: Nick Ballato BRK 10H Well Pad Name: Nick Ballato BRK

3) Farm Name/Surface Owner: Nicholas & Christopher Ballato Public Road Access: St. Johns Run Road

4) Elevation, current ground: 959' Elevation, proposed post-construction: 959'

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- 5730', Target Base TVD- 5796', Anticipated Thickness- 66', Associated Pressure- 3767

8) Proposed Total Vertical Depth: 5784'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 30168'

11) Proposed Horizontal Leg Length: 24025.91'

12) Approximate Fresh Water Strata Depths: 300'

13) Method to Determine Fresh Water Depths: 4700900100

14) Approximate Saltwater Depths: 790' Salinity Profile

15) Approximate Coal Seam Depths: N/A

16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of.

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: _____

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Strader Governor
05/04/2023

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	J-55	94#	110'	110' ✓	CTS
Fresh Water	13 3/8"	New	J-55	54.4#	350'	350' ✓	404 sx/CTS
Coal							
Intermediate	9 5/8"	New	J-55	36#	1371'	1371' ✓	525 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	30168'	30168' ✓	Tail 5602sx/ 100' Inside Intermediate
Tubing Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.380	2730	633	Class A	1.20/30% Excess
Coal							
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	1.19/5% Excess
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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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 unites, 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): 10.91

22) Area to be disturbed for well pad only, less access road (acres): 8.0

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.

*Note: Attach additional sheets as needed.

Southwestern Energy Company

Proposed Drilling Program

Well: NICK BALLATO BRK 10
 Field: PANHANDLE FIELD WET
 County: BROOKE
 SHL (NAD83): 40.310381 Latitude -80.565321 Longitude
 BHL (NAD83): 40.249244 Latitude -80.533727 Longitude
 KB Elev: 985 ft MSL KB: 26 ft AGL GL Elev: 959 ft MSL

Re-entry Rig: SDC 40
 Prospect: Marcellus Shale
 State: WV



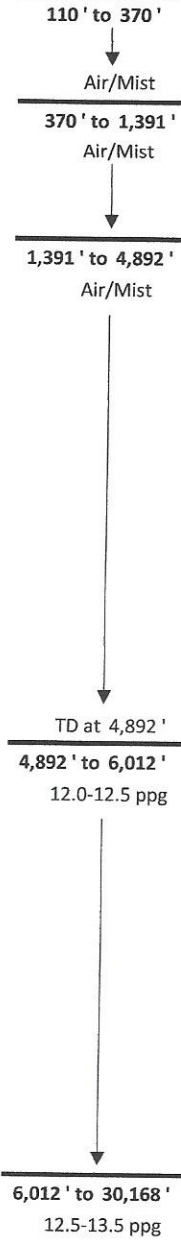
NO COAL VOID EXPECTED

PROD TOC @ 1,371' MD

TUBULAR DETAIL					
Casing String	Casing Size (in)	Weight (Min)	Grade (Min)	Planned Interval	
				From	To
Conductor	20	94.0 #	J-55	0'	110'
Surface	13.375	54.4 #	J-55	0'	350'
Intermediate	9.625	36.0 #	J-55	0'	1,371'
Production	5.5	20.0 #	P-110 HP	0'	30,168'

CEMENT DETAIL

	Sacks	Class	Density
Conductor	140	A	19.3
Surface	404	A	15.6
Intermediate	525	A	15.6
Production	5602	A	14.5-15.0



KOP at 4,892' MD

Freshwater Depth - 300' TVD
 Coal Depth - N/A
 Saltwater Depth - 790' TVD
 TVD - 5,784'
 TMD - 30,168'

5,528' TVD Target Center

TD at 30,168' MD
 5,784' TVD

LP at 6,012' MD

SHL Onondaga 5,542' TVD

Onondaga 5,798' TVD

6,012' to 30,168'
 12.5-13.5 ppg

Created by: Sebastian Ziaja on 05/04/2023

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WW-9
(4/16)

API Number 47 - 009 - _____
Operator's Well No. Nick Ballato BRK 10H

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 North Quadrangle Steubenville East

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 SOB 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 U0-08438, 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.

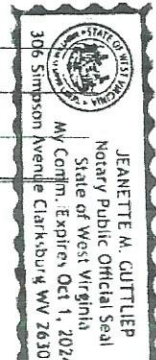
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 Senior Regulatory Analyst

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Subscribed and sworn before me this 13 day of September, 20 22
Jeanette M. Guttler Notary Public

My commission expires 10/01/24

05/26/2023

SWN Production Co., LLC

Proposed Revegetation Treatment: Acres Disturbed 10.91 Prevegetation pH _____

Lime as determined by pH test min.2 Tons/acre or to correct to pH 8.0

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 3B

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre

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: _____

Comments: _____

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Title: Oil & Gas Inspector

Date: APR 18 2023

Field Reviewed? () Yes () No

WV Department of Environmental Protection

Steve Coward
STRAIDER COWARD
9-15-2022

05/26/2023

MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



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

API NO. 47-XXX-XXXXX
WELL NAME: Nick Ballato BRK 10H
Steubenville East QUAD
Cross Creek DISTRICT
Brooke COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Date: 8/31/2022

Brittany Woody

Title: Senior Regulatory Analyst

SWN Production Co., LLC

Approved by:

Name: *John Gowen* SNADER Gowen

Date: 9-15-2022

Title: Oil & Gas Inspector

Approved by:

Name: _____

Date: _____

Title: _____

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SWN PRODUCTION COMPANY, LLC – CONFIDENTIAL

05/26/2023

WW-6A1
(5/13)

Operator's Well No. NICK BALLATO BRK 10H

**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"				

*Co-tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

**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: Jay Campbell
 Its: Cooper Farish, Staff Landman

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EXHIBIT "A"
 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
 Nick Ballato BRK 10H
 Brooke County, West Virginia

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	Interest Not Leased by SWN Production Company, LLC
1)	4-CC19-102	Nicholas Jay Ballato, single, and Christopher A. Ballato and Ruth V. Ballato, husband and wife Nicholas Jay Ballato, single, and Christopher A. Ballato and Ruth V. Ballato, husband and wife	Great Lakes Energy Partners, LLC SWN Production Company, LLC Great Lakes Energy Partners, LLC SWN Production Company, LLC	14.00% 14.00%	LB 9/720 LB 30/480 LB 9/720 LB 30/480	0.0000%
2)	4-CC19-192	Nicholas Jay Ballato, single; and Christopher A. Ballato and Ruth V. Ballato, husband and wife Betty Ann Williamson Burrough, a single woman Eloise V. Mccombs, a married woman dealing in her sole and separate property Robert K. Smith, a single man; and Shelley Smith, a single woman	Great Lakes Energy Partners, LLC SWN Production Company, LLC 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	14.00% 18.00% 18.00% 18.00%	LB 9/720 LB 30/480 LB 14/681 LB 30/480 LB 15/31 LB 30/480 LB 14/762 LB 30/480	0.0000%
3)	4-CC19-103	Gerald E. Gourley, single	Great Lakes Energy Partners, LLC SWN Production Company, LLC	12.50%	LB 9/739 LB 30/480	0.0000%
4)	4-C19K-57	Gerald E. Gourley, single SWN Production Company, LLC	Great Lakes Energy Partners, LLC SWN Production Company, LLC Operator Owned Minerals	12.50%	LB 9/739 LB 30/480 DB 396/444	0.0000%
5)	4-CC19-105	Wheeling & Lake Erie Railway Company, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	18.00%	LB 53/702	0.0000%
6)	4-C19K-18	Wheeling & Lake Erie Railway Company, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	18.00%	LB 53/702	0.0000%
		Royalty Owner	n/a	N/A	N/A	5.2134%
		Wheeling & Lake Erie Railway Company, sublessee of the Pittsburgh & West Virginia Railway Company	SWN Production Company, LLC	18.00%	LB 53/703	
		Amber McCullah, a married woman dealing in her sole and separate property	SWN Production Company, LLC	16.00%	LB 52/774	
		Amy Speis, a divorced woman	SWN Production Company, LLC	16.00%	LB 54/716	
		April L. Russell, divorced	SWN Production Company, LLC	16.00%	LB 46/557	
		Arthur Coulter, Jr., a single man	SWN Production Company, LLC	16.00%	LB 55/669	
		Barbara Palmer, widow	SWN Production Company, LLC	18.00%	LB 62/357	
		Bernice Francis, a widow	SWN Production Company, LLC	16.00%	LB 59/660	
		Bonnie A. McKee and William G. McKee, wife and husband	SWN Production Company, LLC	16.00%	LB 45/391	
		Brian L. Henthorn, a single man	SWN Production Company, LLC	16.00%	LB 52/283	
		Bruce T. Michaux and Lisa M. Michaux, husband and wife	SWN Production Company, LLC	16.00%	LB 43/789	
		Bruce W. DeGarmo, Jr., single	SWN Production Company, LLC	16.00%	LB 46/79	
		Carl R. Smith and Kimberly Smith, husband and wife	SWN Production Company, LLC	16.00%	LB 52/291	
		Carmel A. Swartz married, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	LB 63/486	
		Carol Carle, widow	SWN Production Company, LLC	16.00%	LB 55/193	
		Caroline M. Mendis, widow	SWN Production Company, LLC	18.00%	LB 61/565	
		Carrie Warren and Thomas Warren, wife and husband	SWN Production Company, LLC	16.00%	LB 54/541	
		Catherine L. Wolfe, divorced	SWN Production Company, LLC	16.00%	LB 45/384	
		Catherine S. Veverka, widow	SWN Production Company, LLC	15.00%	LB 52/730	
		Charles A. Cook, divorced	SWN Production Company, LLC	16.00%	LB 45/695	
		Chelsea Holloway, a single woman	SWN Production Company, LLC	16.00%	LB 54/549	
		Cheryl Bluthardt and John Bluthardt, wife and husband	SWN Production Company, LLC	16.00%	LB 54/383	
		Clifton Leroy Henthorn and Janette Henthorn, husband and wife	SWN Production Company, LLC	16.00%	LB 52/347	
		Crystal M. McCaddon, a married woman dealing in her sole and separate property	SWN Production Company, LLC	16.00%	LB 52/746	
		Dall Celeste Herrmann-Mehsling and Thomas Mehsling, wife and husband	SWN Production Company, LLC	16.00%	LB 56/182	
		Danielle Smalley, a single woman	SWN Production Company, LLC	16.00%	LB 54/333	
		Danyle Doubles, a divorced woman	SWN Production Company, LLC	15.00%	LB 52/722	
		Darin Martin, widow	SWN Production Company, LLC	16.00%	LB 61/368	
		David C. Heintz and Kathy S. Heintz, husband and wife	SWN Production Company, LLC	16.00%	LB 53/420	
		David Coleman and Rosemarie Coleman, husband and wife	SWN Production Company, LLC	15.00%	LB 52/615	
		David DeGarmo, a single man	SWN Production Company, LLC	16.00%	LB 52/754	
		David F. Morris, Jr. and Shirley Morris, husband and wife	SWN Production Company, LLC	16.00%	LB 55/631	
		David M. Himmelrick and Robin L. Himmelrick, husband and wife	SWN Production Company, LLC	15.00%	LB 55/230	
		David S. DeGarmo, single	SWN Production Company, LLC	16.00%	LB 46/37	
		Deborah L. Williams, a widow	SWN Production Company, LLC	16.00%	LB 43/782	
		Delbert A. Morris, a single man	SWN Production Company, LLC	18.00%	LB 54/161	
		Denise DeGarmo, a single woman	SWN Production Company, LLC	16.00%	LB 53/561	
		Denise Doubles, a married woman dealing in her sole and separate property	SWN Production Company, LLC	15.00%	LB 52/623	
		Donald Moyer and Melissa Moyer, husband and wife	SWN Production Company, LLC	16.00%	LB 54/533	
		Donald R. Michaux, Jr. and Susan M. Michaux, husband and wife	SWN Production Company, LLC	16.00%	LB 44/1	
		Donald W. Junker, a widower	SWN Production Company, LLC	16.00%	LB 53/176	
		Donna L. Ruckman f/k/a Donna Hambel, married, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	LB 63/195	
		Donnelly Rachael Smith, single	SWN Production Company, LLC	16.00%	LB 61/456	
		Douglas A. Sarkis and Susan J. Sarkis, husband and wife	SWN Production Company, LLC	15.00%	LB 53/484	
		Edna Fuller, widow	SWN Production Company, LLC	18.00%	LB 61/577	
		Elizabeth Stevens, a widow	SWN Production Company, LLC	16.00%	LB 53/593	
		Ella Mae Hayman, a widow	SWN Production Company, LLC	15.00%	LB 53/388	
		Emily F. Murphy, widow	SWN Production Company, LLC	18.00%	LB 63/243	

EXHIBIT "A"

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
Nick Ballato BRK 10H
Brooke County, West Virginia

Estate of Donald W. Hanlon, by Dail Herrmann-Mehsling, Individually and as Personal Representative	SWN Production Company, LLC	16.00%	LB 62/351
Gary P. Henthorn Sr. and Cheryl Henthorn, husband and wife	SWN Production Company, LLC	16.00%	LB 52/222
Gary Paul Henthorn, Jr., a single man	SWN Production Company, LLC	16.00%	LB 52/230
George A. DeGarmo, Jr., a divorced man	SWN Production Company, LLC	16.00%	LB 53/569
Glenn Huff and Terry Huff, husband and wife	SWN Production Company, LLC	16.00%	LB 55/246
Grace Ingwolson and Paul Ingwolson, wife and husband	SWN Production Company, LLC	18.00%	LB 61/608
Harriet A. O'Neil, a widow	SWN Production Company, LLC	15.00%	LB 53/337
James DeGarmo, a divorced man	SWN Production Company, LLC	16.00%	LB 53/577
James Phillis and Maria K. Phillis, husband and wife	SWN Production Company, LLC	16.00%	LB 54/423
Jeffrey D. Sootin and Gloria Sootin, husband and wife	SWN Production Company, LLC	16.00%	LB 55/201
Jeffrey Dale Smith, married, dealing in his sole and separate property	SWN Production Company, LLC	16.00%	LB 61/386
Jeffrey S. Checkan and Carey Checkan, husband and wife	SWN Production Company, LLC	16.00%	LB 55/738
Jennifer Lynne Arrick and Matthew D. Arrick, wife and husband	SWN Production Company, LLC	16.00%	LB 46/9
John T. Cook, single	SWN Production Company, LLC	16.00%	LB 45/688
Joseph R. Rohrig and Catherine Rohrig, husband and wife	SWN Production Company, LLC	15.00%	LB 53/168
Joseph W. Checkan and Darlene Checkan, husband and wife	SWN Production Company, LLC	16.00%	LB 55/89
Judith Corrigan, a single woman	SWN Production Company, LLC	16.00%	LB 53/722
Judy L. Stevens, a widow	SWN Production Company, LLC	16.00%	LB 53/601
Kandie Canavan, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	LB 55/639
Karen DeGarmo, a divorced woman	SWN Production Company, LLC	16.00%	LB 55/450
Keith Michael Henthorn and Melissa Henthorn, husband and wife	SWN Production Company, LLC	16.00%	LB 53/313
Kelleen Ann Simmonds and Ross Simmonds, wife and husband	SWN Production Company, LLC	18.00%	LB 61/602
Kenneth Marsh Murphy, married, dealing in his sole and separate property	SWN Production Company, LLC	18.00%	LB 61/559
Kent Lane Jones, Sr. and Wanda Jones, husband and wife	SWN Production Company, LLC	16.00%	LB 56/759
Leonard Coulter and Debra Coulter, husband and wife	SWN Production Company, LLC	16.00%	LB 54/284
Linda Sypolt, married, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	LB 62/589
Lisa Cain and Michael Cain, wife and husband	SWN Production Company, LLC	16.00%	LB 55/754
Lisa Dawn Morris, a single woman	SWN Production Company, LLC	18.00%	LB 55/746
Lynn Martin f/k/a Lynn Hamilton, single	SWN Production Company, LLC	18.00%	LB 62/446
Mark W. Hamilton and Cathy Hamilton, husband and wife	SWN Production Company, LLC	18.00%	LB 62/536
Marshall Henthorn and Jennie Henthorn, husband and wife	SWN Production Company, LLC	15.00%	LB 53/412
Mary Ann Lerch a/k/a Mary A. Adkins, a widow	SWN Production Company, LLC	16.00%	LB 55/185
Merl J. Bell and Donna Lee Bell, husband and wife	SWN Production Company, LLC	15.00%	LB 52/246
Mervin F. Wilson and Doreen A. Wilson, husband and wife	SWN Production Company, LLC	16.00%	LB 45/75
Michael Corrigan, a married man dealing in his sole and separate property	SWN Production Company, LLC	16.00%	LB 54/17
Michael Smith, single	SWN Production Company, LLC	16.00%	LB 61/275
Michelle L. DeGarmo, single	SWN Production Company, LLC	16.00%	LB 46/72
Nancy Jean Dillon, a widow	SWN Production Company, LLC	15.00%	LB 53/305
Nancy Rice, married, dealing in her sole and separate property	SWN Production Company, LLC	18.00%	LB 62/512
Pamela J. West, widowed	SWN Production Company, LLC	16.00%	LB 43/133
Patricia Ann Nichols and Christopher J. Nichols, wife and husband	SWN Production Company, LLC	16.00%	LB 42/735
Patricia Barnhart, a divorced woman	SWN Production Company, LLC	16.00%	LB 53/714
Paul M. Fest and Rebecca G. Fest, husband and wife	SWN Production Company, LLC	16.00%	LB 55/701
Paula M. Brown, divorced	SWN Production Company, LLC	16.00%	LB 42/728
Peggy Schilling, widow	SWN Production Company, LLC	16.00%	LB 54/724
Radiant Life Church	SWN Production Company, LLC	16.00%	LB 55/238
Ramona E. Orton, a widow	SWN Production Company, LLC	15.00%	LB 53/89
Raymond Rutan and Kimberly Rutan, husband and wife	SWN Production Company, LLC	16.00%	LB 52/583
Richard C. Wagner and Carol Wagner, husband and wife	SWN Production Company, LLC	16.00%	LB 55/129
Richard L. Hildebrand, single	SWN Production Company, LLC	16.00%	LB 62/440
Richard L. Smith, Jr. and Donna L. Smith, husband and wife	SWN Production Company, LLC	16.00%	LB 44/279
Richard William Henthorn and Danita Henthorn, husband and wife	SWN Production Company, LLC	15.00%	LB 53/468
Robert DeGarmo and Stefanie DeGarmo, husband and wife	SWN Production Company, LLC	16.00%	LB 52/782
Robert Hawk and Barbara Hawk, husband and wife	SWN Production Company, LLC	18.00%	LB 62/363
Robert L. Hambel, married, dealing in his sole and separate property	SWN Production Company, LLC	18.00%	LB 63/189
Robert Smith, divorced	SWN Production Company, LLC	16.00%	LB 61/374
Robert Svoboda and Kimberly Jo Svoboda, husband and wife	SWN Production Company, LLC	15.00%	LB 53/452
Robert W. Junker and Carol Junker, husband and wife	SWN Production Company, LLC	16.00%	LB 52/567
Robert Wood and Marcia Wood, husband and wife	SWN Production Company, LLC	16.00%	LB 54/431
Rodney Green and Melody Elizabeth Hayman Green, husband and wife	SWN Production Company, LLC	15.00%	LB 54/25
Roger Widner and Rebecca Widner, husband and wife	SWN Production Company, LLC	16.00%	LB 56/174

7) 4-CC19-191

EXHIBIT "A"
 Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-5A1, by SWN Production Company, LLC, Operator
 Nick Ballato BRK 10H
 Brooke County, West Virginia

		Ron E. Michaux and MaryLynn Michaux, husband and wife	SWN Production Company, LLC	16.00%	LB 44/8	
		Ronald Powers and Joyce Powers, husband and wife	SWN Production Company, LLC	16.00%	LB 54/399	
		Russell DeGarmo, single	SWN Production Company, LLC	16.00%	LB 46/16	
		Samuel G. Durr, Sr., a widower	SWN Production Company, LLC	16.00%	LB 54/407	
		Sarah Elizabeth Parr, a single woman	SWN Production Company, LLC	15.00%	LB 53/508	
		Sheridan Benton, single	SWN Production Company, LLC	18.00%	LB 61/659	
		Shirley M. Friese, married, dealing herein with her separate property	SWN Production Company, LLC	18.00%	LB 63/183	
		Susan A. Maison and William E. Maison, wife and husband	SWN Production Company, LLC	16.00%	LB 45/398	
		Susan Fodor, a widow	SWN Production Company, LLC	16.00%	LB 52/18	
		Susan Porter, widow	SWN Production Company, LLC	16.00%	LB 54/391	
		Teresa Koski, a divorced woman	SWN Production Company, LLC	16.00%	LB 55/693	
		Thomas E. Smith and Gloria C. Smith, husband and wife	SWN Production Company, LLC	16.00%	LB 45/69	
		Thomas Holloway, a single man	SWN Production Company, LLC	16.00%	LB 55/254	
		Todd Smalley, a single man	SWN Production Company, LLC	16.00%	LB 54/477	
		Tonya R. DeGarmo	SWN Production Company, LLC	16.00%	LB 45/405	
		Vincent Ricci and Jerilyn Sandra Ricci, husband and wife	SWN Production Company, LLC	16.00%	LB 55/121	
		William A. Moyer and Sharon Moyer, husband and wife	SWN Production Company, LLC	16.00%	LB 55/113	
		William E. Henthorn, a single man	SWN Production Company, LLC	15.00%	LB 53/444	
		William Gordon Moyer II and Caroline Susan Moyer, husband and wife	SWN Production Company, LLC	16.00%	LB 54/485	
		William Kiehl and Barbara L. Kiehl, husband and wife	SWN Production Company, LLC	16.00%	LB 54/415	
		SWN Production Company, LLC	Operator Owned		DB 420/451	
8)	4-CC23-51.4	J. Russell Greathouse and Linda Reeves Greathouse, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 16/618 LB 30/480	0.0000%
9)	4-CC23-322	Dorothy V. Cook, single	Phillips Production Company SWN Production Company, LLC	12.50%	LB 9/75 LB 30/480	0.0000%
10)	4-CC23-66	Ronald R. Burda and Deborah J. Burda, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 11/277 LB 30/480	0.0000%
11)	4-CC23-71	William E. Henthorn	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 11/335 LB 30/480	0.0000%
12)	4-CC23-78	David W. Haught, Sr. and Genevieve C. Haught, husband and wife	Phillips Production Company SWN Production Company, LLC	12.50%	LB 9/31 LB 30/480	0.0000%
13)	4-CC23-74	Gall Lynn Willey and Lyle William Willey, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 14/780 LB 30/480	0.0000%
14)	4-CC23-74.1	Kevin Charles Phillips and Heather Lee Phillips, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 16/628 LB 30/480	0.0000%
15)	4-CC23-77	Thomas E. Rogerson, Jr. and Crystal M. Rogerson, f/k/a Crystal Hoyt, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 27/362 LB 30/480	0.0000%
16)	4-CC23-76	Marvin P. Sperlizza and Lynn A. Sperlizza, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 16/253 LB 30/480	0.0000%
17)	4-CC23-78.1	Joseph B. Haught and Lisa Ann Haught, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 15/710 LB 30/480	0.0000%
18)	4-CC23-86	Samuel Hubbard, married	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 13/381 LB 30/480	0.0000%
19)	4-CC23-86.1	Robert A. Robinson and Jaclyn Jo Robinson, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 16/277 LB 30/480	0.0000%
20)	4-CC23-87	Howard F. Fell, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 16/181 LB 30/480	0.0000%
21)	4-CC23-88	Howard F. Fell, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 27/476 LB 30/480	0.0000%
22)	4-CC23-100	Howard Fell, as Executor of the Estate of Howard Clare Fell	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	LB 15/323 LB 30/480	0.0000%
23)	4-CC23-92	Mark H. Cooper, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 12/581 LB 30/480	0.0000%
24)	4-CC23-93	Mark H. Cooper, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 12/574 LB 30/480	0.0000%
25)	4-CC23-335.1	Clarence L. McGowan and Katherine A. McGowan, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 15/481 LB 30/480	0.0000%
26)	3-B235-1	Gerald L. Hensler and Winifred J. Hensler, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 19/197 LB 30/480	0.0000%
27)	3-B235-2	William M. Hensler and Margaret R. Hensler, his wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 17/733 LB 30/480	0.0000%
28)	3-B235-4.2	Virginia H. Hensler a/k/a, Virginia Hope Hensler, a widow and not remarried, appearing herein by and through her Agent and Attorney In Fact William M. Hensler by Power of Attorney dated August 31, 2011	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 21/528 LB 30/480	0.0000%
29)	3-B235-11	Michael B. Conaway and Lisa A. Conaway, Husband and Wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 20/16 LB 30/480	0.0000%
30)	3-B235-12	Michael B. Conaway and Lisa A. Conaway, Husband and Wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 20/21 LB 30/480	0.0000%
31)	3-B235-14	Theodore A. Bolen and Linda G. Bolen, Husband and Wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 20/341 LB 30/480	0.0000%
32)	3-B28D-26	Brooke County Public Service District	SWN Production Company, LLC	18.00%	LB 56/520	0.0000%
33)	3-B28D-30	Brooke County Public Service District	SWN Production Company, LLC	18.00%	LB 56/520	0.0000%
34)	3-B28D-54	Brooke County Public Service District	SWN Production Company, LLC	18.00%	LB 56/520	0.0000%
35)	3-B28D-62	Franklin Cemetery Association, a Corporation	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 13/762 LB 30/557	0.0000%
36)	3-B28D-65	Elizabeth Ann Potter, a/k/a Elizabeth A. Potter, a widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 17/104 LB 30/480	0.0000%
37)	Pierce Run Hollow Road	West Virginia Department of Transportation	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.00%	LB 18/723 LB 30/480	0.0000%
38)	3-B28-66	Richard P. Gist, a married man doing business in his sole and separate interest	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/61 LB 30/480	0.0000%
		Virginia Gist Abblitt, single	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/67 LB 30/480	
		Ann Gist Levin, widow	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/69 LB 30/480	
39)	3-B28-67	Richard P. Gist, a married man doing business in his sole and separate interest	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/61 LB 30/480	0.0000%
		Richard P. Gist, a married man doing business in his sole and separate interest	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/61 LB 30/480	

		Virginia Gist Abblitt, single	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/67 LB 30/480	
		Richard P. Gist, a married man doing business in his sole and separate interest	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/61 LB 30/480	0.0000%
40)	3-B28-65	Virginia Gist Abblitt, single	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/67 LB 30/480	
		Ann Gist Levin, widow	Fortuna Energy Inc. SWN Production Company, LLC	12.50%	LB 10/69 LB 30/480	
41)	3-B29-14	Brooke County Park and Recreation Commission f/k/a Brooke County Park Association	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	LB 13/43 LB 30/480	0.0000%
42)	3-B34-16.1	Laura G. Inman and James C. Inman Jr., her husband and Karen G. Younkins and Terry D. younkins, her husband	TriEnergy Holdings, LLC SWN Production Company, LLC	18.00%	LB 10/607 LB 30/480	0.0000%
43)	3-B34-7	William Curtis Hunt and Susan L. Hunt, husband and wife	SWN Production Company, LLC		LB 37/661	0.0000%
44)	3-B34-10	Resource Minerals Headwater I, LP Sarah A. Stenger, a widow	SWN Production Company, LLC SWN Production Company, LLC	18.00%	LB 42/751 LB 39/599	0.0000%

47 00 900 335



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

April 12, 2023

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

RE: SWN's proposed New Well: Nick Ballato BRK 10H in Brooke County, West Virginia, Drilling under St. Johns Run Road, Cross Creek Road, Potrock Run Road, Washington Pike, Bonnie Beth Drive, Manor Drive, Pierce Run Hollow Road, Brook Hills Park Road, Chesapeake Drive, Genteel Ridge Road, Carol Cr. Dr., Bonnie Beth Drive, Northview Road, and Pierce Run Road.

Dear Mr. Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under St. Johns Run Road, Cross Creek Road, Potrock Run Road, Washington Pike, Bonnie Beth Drive, Manor Drive, Pierce Run Hollow Road, Brook Hills Park Road, Chesapeake Drive, Genteel Ridge Road, Carol Cr. Dr., Bonnie Beth Drive, Northview Road, and Pierce 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,

Cooper Farish
Staff Landman
SWN Production Company, LLC

RECEIVED
Office Of Oil and Gas
APR 18 2023
WV Department of
Environmental Protection



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

05/26/2023

**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: Brooke County Review

Public Notice Date: March 28, 2023 & April 4, 2023

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:** Nick Ballato BRK 10H

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Business Conducted: Natural gas production.

Location –

State: West Virginia

County: Brooke

District: Cross Creek

Quadrangle: Steubenville East

UTM Coordinate NAD83 Northing: 4,462,298

UTM coordinate NAD83 Easting: 536,935

Watershed: Upper Ohio North

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: 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 57th 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.

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 57th 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

05/26/2023

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

Date of Notice Certification: 4/17

API No. 47- 009 -
Operator's Well No. Nick Ballato BRK 10H
Well Pad Name: Nick Ballato BRK

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>536,935.55</u>
County:	<u>009- Brooke</u>		Northing:	<u>4,462,298.03</u>
District:	<u>Cross Creek</u>	Public Road Access:	<u>St. Johns Run Road</u>	
Quadrangle:	<u>Steubenville East</u>	Generally used farm name:	<u>Nick Ballato BRK</u>	
Watershed:	<u>Upper Ohio North</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		OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED
<input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY	or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	
<input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY	or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED	
<input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL	or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	
	<input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION		
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE		
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		

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.

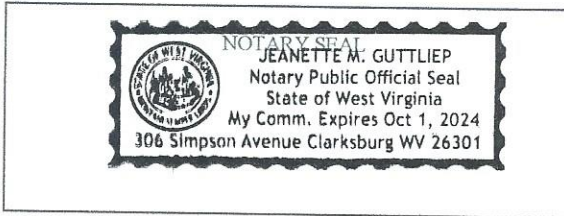
05/26/2023

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>Senior Regulatory Analyst</u>	Facsimile:	<u>304-884-1690</u>
Telephone:	<u>304-884-1610</u>	Email:	<u>Brittany_Woody@swn.com</u>

Brittany Woody



Subscribed and sworn before me this 13 day of September 2022
Jeanette M. Guttliet Notary Public
 My Commission Expires 10/01/2024

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 depprivacyofficer@wv.gov.

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: 4/17 Date Permit Application Filed: 4/17

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: Nick Ballato
 Address: 556 Rear Rockdale Road
Follansbee, WV 26037
 Name: Christopher Ballato
 Address: 43 Richie Dr
Wellsburg, WV 26070

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: Nicholas Ballato, Christopher & Ruth Ballato
 Address: 556 Rear Rockdale Road
Follansbee, WV 26037

COAL OPERATOR

Name: _____
 Address: _____

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

Name: See Attachment 13
 Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
 Address: _____

*Please attach additional forms if necessary

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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

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

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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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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.**

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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.

WW-6A
(8-13)

API NO. 47-00900335
OPERATOR WELL NO. Nick Ballato BRK 10H
Well Pad Name: Nick Ballato BRK

Notice is hereby given by:

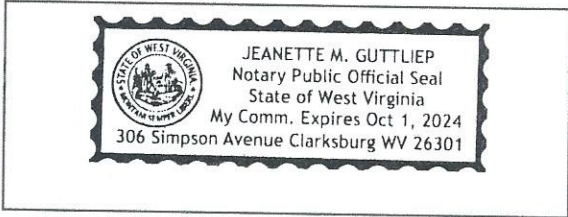
Well Operator: SWN Production Co., LLC
Telephone: 304-884-1610
Email: Brittany_Woody@swn.com

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.



Subscribed and sworn before me this 13 day of September 2022
Jeanette M. Guttliet Notary Public
My Commission Expires 10/01/2024

WW-6A3
(1/12)

Operator Well No. Nick Ballato BRK

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: 8/18/222 **Date of Planned Entry:** 8/25/2022

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: Nick Ballato
 Address: 556 Rear Rockdale Road
Follansbee, WV 26037
 Name: _____
 Address: _____
 Name: _____
 Address: _____

COAL OWNER OR LESSEE

Name: Nicholas Jay Ballato, Christopher A. & Ruth V. Ballato
 Address: 556 Rear Rockdale Road
Follansbee, WV 26037

MINERAL OWNER(S)

Name: Nick Ballato
 Address: 556 Rear Rockdale Road
Follansbee, WV 26037

*please attach additional forms if necessary

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:	<u>WV</u>	Approx. Latitude & Longitude:	<u>40.310273, -80.565406</u>
County:	<u>Brooke</u>	Public Road Access:	<u>St. Johns Road</u>
District:	<u>Cross Creek</u>	Watershed:	<u>Upper Ohio South</u>
Quadrangle:	<u>Steubenville East</u>	Generally used farm name:	<u>Nick Ballato BRK</u>

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 57th 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.

Notice is hereby given by:

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

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.

05/26/2023

**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: 8/18/2022 **Date of Planned Entry:** 8/25/2022

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: Christopher Ballato

Address: 43 Richie Drive
Wellsburg, WV 26070

Name: _____

Address: _____

Name: _____

Address: _____

COAL OWNER OR LESSEE

Name: Nicholas Jay Ballato, Christopher A. & Ruth V. Ballato

Address: 556 Rear Rockdale Road
Follansbee, WV 26037

MINERAL OWNER(s)

Name: Christopher Ballato

Address: 43 Richie Drive
Wellsburg, WV 26070

*please attach additional forms if necessary

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: <u>WV</u>	Approx. Latitude & Longitude: <u>40.310273, -80.565406</u>
County: <u>Brooke</u>	Public Road Access: <u>St. Johns Road</u>
District: <u>Cross Creek</u>	Watershed: <u>Upper Ohio South</u>
Quadrangle: <u>Steubenville East</u>	Generally used farm name: <u>Nick Ballato BRK</u>

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 57th 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.

Notice is hereby given by:

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

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.

05/26/2023

WW-6A4
(1/12)

Operator Well No. Nick Ballato 10H
47 00 900 335

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.
Date of Notice: 03/27/2023 **Date Permit Application Filed:** 4/11

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

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

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

Name: Nick Ballato
Address: 556 Rear Rockdale Rd.
Follansbee, WV 26037

Name: Christopher Ballato
Address: 43 Richie Dr.
Wellsburg, WV 26070

Notice is hereby given:

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

State: West Virginia UTM NAD 83 Easting: 536,935.55
County: Brooke Northing: 4,462,298.03
District: Cross Creek Public Road Access: St. Johns Run Road
Quadrangle: Steubenville East, OH Generally used farm name: Nick Ballato BRK
Watershed: Upper Ohio North

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting 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 Drive, Suite 201
Morgantown, WV 26508
Telephone: 304-231-8329
Email: reid_croft@swn.com
Facsimile: _____

Authorized Representative: Reid Croft
Address: 1300 Fort Pierpont Drive, Suite 201
Morgantown, WV 26508
Telephone: 304-231-8329
Email: reid_croft@swn.com
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.

05/26/2023

**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: 03/27/2023 **Date Permit Application Filed:** 4/11

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: Nick Ballato
Address: 556 Rear Rockdale Rd.
Follansbee, WV 26037

Name: Christopher Ballato
Address: 43 Richie Dr.
Wellsburg, WV 26070

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>West Virginia</u>	UTM NAD 83	Easting:	<u>536,935.55</u>
County:	<u>Brooke</u>		Northing:	<u>4,462,298.03</u>
District:	<u>Cross Creek</u>	Public Road Access:	<u>St. Johns Run Road</u>	
Quadrangle:	<u>Steubenville East, OH</u>	Generally used farm name:	<u>Nick Ballato BRK</u>	
Watershed:	<u>Upper Ohio North</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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting 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 Drive, 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.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
 Charleston, West Virginia 25305-0430 • (304) 558-3505

D. Alan Reed, P.E.
 State Highway Engineer

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

September 1, 2022

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

Subject: DOH Permit for the Nick Ballato Pad, Brooke County
 Nick Ballato 10H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2011-0112 which has been issued to Southwestern Energy for access to the State Road for a well site located off Brooke County Route 14 SLS MP 0.53.

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 October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.
 Regional Maintenance Engineer
 Central Office O&G Coordinator

Cc: Brittany Woody
 Southwestern Energy
 CH, OM, D-6
 File

Attachment VI Frac Additives

Product Name	Product Use	Chemical Name	CAS Number
AI-303 (U.S. Well Services)	Mixture	Ethylene glycol	107-21-1
		Cinnamaldehyde	104-55-2
		Butyl cellosolve	111-76-2
		Formic acid	64-18-6
		Polyether	Proprietary
AP ONE (U.S. Well Services)	Breaker	Acetophenone, thiourea, formaldehyde polymer	68527-49-1
Bactron K-139 (Champion Technologies)	Biocide	Ammonium persulfate	7727-54-0
		Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
Bactron K-219 (Champion Technologies)	Biocide	Ethanol	64-17-5
		Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
CarboNRT	Tracer	Ceramic Proppant	66402-68-4
EC6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
EC6734A (Champion Technologies)	Biocide	Ethylene Glycol	107-21-1
		Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
Econo-Cl200 (SWN Well Services)	Corrosion Inhibitor	Peroxyacetic Acid	79-21-0
		Methanol	67-56-1
		Oxyalkylated fatty acid	68951-67-7
		Fatty acids	61790-12-3
		Modified thiourea polymer	68527-49-1
		Water	7732-18-5
		Hydrochloric acid	7647-01-0
Ecopol-FEAC (SWN Well Services)	Iron Control	Potassium acetate	127-08-2
		Formaldehyde	50-00-0
		Acetic Acid	64-19-7
		Citric Acid	77-92-9
FDP-S1176-15 (Halliburton)	Friction Reducer	Water	7732-18-5
		Polyacrylate	Proprietary
		Hydrotreated light petroleum distillate	64742-47-8
FLOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
FLOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
FR-76 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Inorganic Salt	Proprietary
GYPTRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
HAI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
HCL (SWN Well Services)	Hydrochloric Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
LP-65 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
OPTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
Plexslick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated	68551-12-2
		Oleic Acid Diethanolamide	93-83-4
Plexslick 953	Friction Reducer	Ammonium Chloride	12125-02-9
		Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
Plexslick 957	Friction Reducer	N,N-bis (2-hydroxyethyl) oleamide	93-83-4
		Petroleum Distillate	64742-47-8
		Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
Plexslick 996	no data available	Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
		Copolymer of 2-Propeenamide	*****
		Distillates (petroleum), hydrotreated light	64742-47-8
WFRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Alcohol Ethoxylate	*****
		Surfactant	*****
		Hydrotreated light distillate (petroleum)	64742-47-8
Plexaid 655 NM	Scale Inhibitor	Propenoic acid, polymer with propenamide	9003-06-9
Plexslick 922	no data available	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
		Copolymer of 2-propenamide	69418-26-4
		Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium chloride ((NH4)Cl)	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
Tolcide 4Frac	Mixture	Phosphonium, tetrakis (hydroxymethyl), Sulfate	55566-30-8
		Quaternary ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
		Tetrakis (hydroxymethyl) phosphonium sulphate	55566-30-8
LD-2950	Friction Reducer	Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	397256-50-7
		Hydrotreated light petroleum distillate	64742-47-8
		Ethoxylated alcohol	Proprietary
Legend LD-7750W	Scale Control	Poly (oxy-1,2-ethanediyl) alpha.-tridecyl-omega.-hydroxy-, branched	69011-36-5
		Methanol	67-56-1
MC MX 8-4743	Specialty Product	Phosphonic Acid Salt	Proprietary
		Sodium Nitrate	7631-90-5

OPERATOR: SWN Production Co., LLC

WELL NO: Nick Ballato BRK 10H

PAD NAME: Nick Ballato BRK

REVIEWED BY: _____

SIGNATURE: *Brittany Woody*

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

**Pad Built 8/3/11*

Well Restrictions

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