

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 Earl Ray Tomblin , Governor Randy C. Huffman , Cabinet Secretary www.dep.wv.gov

Thursday, August 11, 2016 WELL WORK PERMIT Horizontal 6A / Horizontal 6A Well - 1

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for CONSTANCE TAYLOR WTZ 5H

47-103-03149-00-00

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: CONSTANCE TAYLOR WTZ 5H

Farm Name: TAYLOR, CONSTANCE A. U.S. WELL NUMBER: 47-103-03149-00-00

Horizontal 6A / Horizontal 6A Well - 1

Date Issued: 8/11/2016

Promoting a healthy environment.

API Number: 103.-03149

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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. 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.
- 8. 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.
- 9. 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, 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.

API NO. 47- 103 - O3149
OPERATOR WELL NO. Condunce Taylor WTZ ON
Well Pad Name: Constance Taylor Pad

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

2) Operator's Well Number: Constance Taylor WTZ 8H Well Pad Nar	•		Quadrangle
Operator's Well Number: Constance Taylor WTZ 8H Well Pad Nar Farm Name/Surface Owner: Constance A. Taylor Public Road Ac	me: Consta		
3) Farm Name/Surface Owner: Constance A. Taylor Public Road Ac		nce laylor	Pad
	cess: Brock	Ridge Ro	ad
4) Elevation, current ground: 1426' Elevation, proposed post-	-construction	: 1426'	
5) Well Type (a) Gas x Oil Undergroup	und Storage		
Other			
(b)If Gas Shallow x Deep		···	
Horizontal X		T).A	1H 8/3/16
6) Existing Pad: Yes or No Yes		•	ماروره انت
 Proposed Target Formation(s), Depth(s), Anticipated Thickness and A Target Formation- Marcellus, Target Top TVD-7360', Target Base TVD-7407', Anticipated 	ssociated Prated Thickness-	essure(s): 47', Associate	ed Pressure- 4500#
8) Proposed Total Vertical Depth: 7390'			
9) Formation at Total Vertical Depth: Marcellus			
10) Proposed Total Measured Depth: 14,300'			
11) Proposed Horizontal Leg Length: 6,910'	•		-
12) Approximate Fresh Water Strata Depths: 363'			
13) Method to Determine Fresh Water Depths: Offset wells in the clos	se proximity.		
14) Approximate Saltwater Depths: 1282'			
15) Approximate Coal Seam Depths: 1366'			
16) Approximate Depth to Possible Void (coal mine, karst, other): None	e that we are	e aware of	· •
17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes	No 2	<	
(a) If Yes, provide Mine Info: Name:			
Depth:			
Seam:	-1.20		
Owner:			
		•	
		Pa	ge 1 of 3

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18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	<u>Grade</u>	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	463'	463'	430 sx/CTS
Coal	9 5/8"	New	J-55	40#	2872'	2872'	1107 sx/CTS
Intermediate	7"	New	P-110	20#	If Needed	If Needed	If Needed/As Needed
Production	5 1/2"	New	HCP-110	20#	14,300'	14,300'	Load 1007 sectod 1543 zarh00 knalos julie
Tubing	2 3/8'	New	P-110	4.7#	Арргох. 7390'	Approx. 7390'	
Liners							

DMH 8/3/16

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Max. Associated Surface Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% Excess
Intermediate	7"	8 3/4"	0.317	4360	3250	Class A	1.20/15% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/15% Excess
Tubing	2 3/8"	4.778"	0.190				
Liners							

PACKERS

Kind:	10K Arrowset AS1-X		
Sizes:	5 1/2"		
Depths Set:			

Page 2 of 3

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. Run casing not less than 20' below void nor more than 50' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

12-17-15

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. The well is produced through surface facilities consisting of high pressure production unites, vertical separation units, water and oil storage tanks. Max press and anticipated max rate- 9000 lbs @ 80 barrels a minute.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres):
- 22) Area to be disturbed for well pad only, less access road (acres):

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:

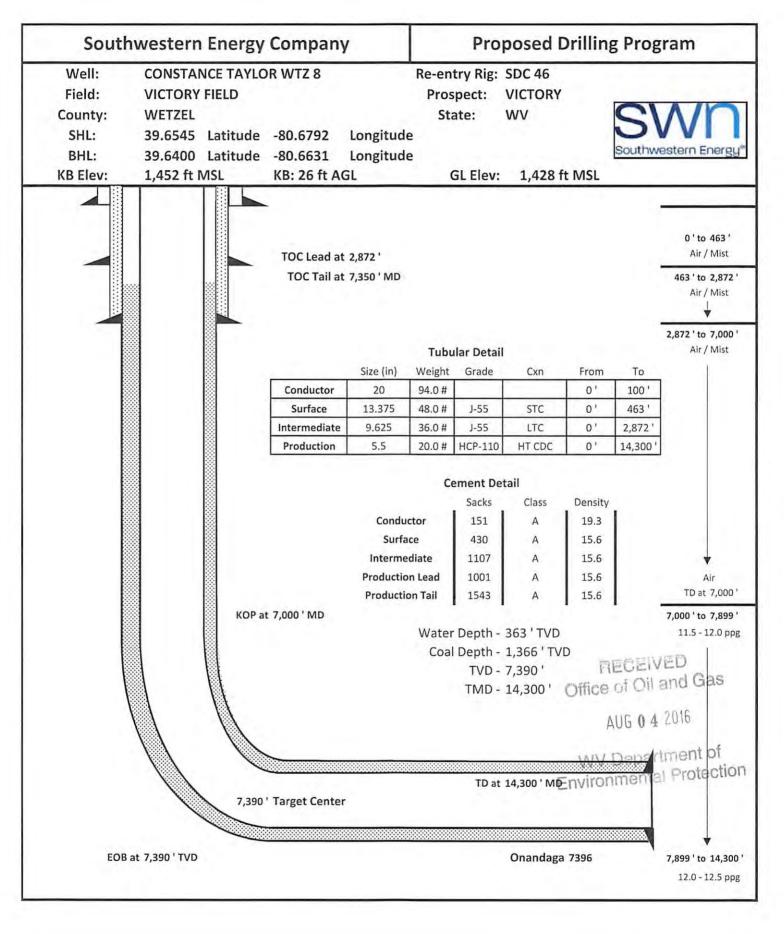
All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

Office of Oil and Gas

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*Note: Attach additional sheets as needed.

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Schlumberger Cement Additives

	Product Name	Product Use	Chemical Name	CAS Number
Surface	S001	accelerator	calcium chloride	10043-52-4
Intermediate	S001	accelerator	calcium chloride	10043-52-4
4	D080	dispersant	sodium polynaphthalene sulfonate	9008-63-3
9	D801	retarder	aromatic polymer derivative	propriatary
Kick Off Plug	D047	antifoam	polypropylene glycol	25322-69-4
	D167	fluid loss	aliphatic amide polymer	propriatary
	D154 extender		non-crystalline silica	7631-86-9
	D400 gas migration		boric acid	10043-35-3
			polypropylene glycol	25322-69-4
ad	D046	antifoam	fullers earth (attapulgite)	8031-18-3
Production-Lead			chrystalline silica	14808-60-7
tion	D201	retarder	metal oxide	propriatary
quo			sulphonated synthetic polymer	propriatary
Pro	D202	dispersant	formaldehyde (impurity)	propriatary
			polypropylene glycol	25322-69-4
	D046	antifoam	fullers earth (attapulgite)	8031-18-3
	D167	fluid loss	aliphatic amide polymer	propriatary
=			sodium polynaphthalene sulfonate	9008-63-3
T-T	D065	dispersant	sodium sulfate	7757-82-6
Production-Tail			chrystalline silica	14808-60-7
duc	D201	retarder	metal oxide	propriatary
Pro	D153	anti-settling	chrystalline silica	14808-60-7



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JAN 2 7 2016

WV Department of Environmental Protection

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 49447757
Watershed (HUC 10)_Little Fishing Creek	Quadrangle	681-Wileyville
Elevation 1426' Cou	nty_103-Wetzel	District 7-Proctor
Do you anticipate using more than 5,000 bbls of Will a pit be used? Yes No	-	well work? Yes No t this time- cuttings will be taken to a permitted landfill.
If so, please describe anticipated pit wa Will a synthetic liner be used in the pit.	Sic.	f so, what ml.?
Proposed Disposal Method For Treated		DAH
Land Application Underground Injectio Reuse (at API Numb Off Site Disposal (Su	n (UIC Permit Number 2D007: er_at next anticipated well, API# will be incupply form WW-9 for disposal lo	72539/ 2D0413175/ 2D0610306/ 2D0610317 Included with the WR-34/DDMR &/or permit addendum. Docation) and reused or taken to a permitted disposal facility.
Will closed loop system be used? If so, describe	:Yes	
Drilling medium anticipated for this well (vertice	al and horizontal)? Air, freshwa	ater, oil based, etc. Air and salt saturate mud
-If oil based, what type? Synthetic, pet	roleum, etc.Synthetic Oil Base	
Additives to be used in drilling medium? see atta	ched sheets	
Drill cuttings disposal method? Leave in pit, lar		
-If left in pit and plan to solidify what n	nedium will be used? (cement, l	lime, sawdust)
I certify that I understand and agree to on August 1, 2005, by the Office of Oil and Gas provisions of the permit are enforceable by law law or regulation can lead to enforcement action I certify under penalty of law that LI application form and all attachments thereto	the terms and conditions of the of the West Virginia Department. Violations of any term or contave personally examined and and that, based on my inquiry information is true, accurate, and	GENERAL WATER POLLUTION PERMIT issued not of Environmental Protection. I understand that the indition of the general permit and/or other applicable arm familiar with the information submitted on this of those individuals immediately responsible for an example to I am aware that there are significant
Company Official Signature		JAN D !
Company Official (Typed Name) Dee Southall		- NVV Department of
Company Official Title Regulatory Supervisor		Environmental Protection
Subscribed and sworn before me this and My commission expires	day of December	

Form WW-9		Operator's Well	Constance Taylor W
SWN Production Co	., LLC	Operator 3 Well	110
Proposed Revegetation Treatm	nent: Acres Disturbed	Prevegetation pH	
Lime as determined by pH test n	Tons/acre or to corre	ect to pH	
Fertilizer type	-20		
Fertilizer amount_600		lbs/acre	
Mulch_ Hay/Straw 2.5		_Tons/acre	
		Seed Mixtures	
Ten	porary	Permaner	nt
Seed Type White Grove	lbs/acre 15	Seed Type White Grove	lbs/acre 15
Red Top	15	Red Top	15
Orchard Grass	20	Orchard Grass	20
Photocopied section of involve	ed 7.5' topographic sheet		
Comments:			
		Office of Oil a	≘⊎ ind Gas
		JAN 27	2016
		WV Depart Environmental	ment of Protection
_{Title:} Oil and Gas Ins	spector	Date: [2-17-15	
Title.	A SATERCIA	Date: (3-11)-15	

Marcellus Well Drilling Procedures And Site Safety Plan

SWN Production Co., LLC

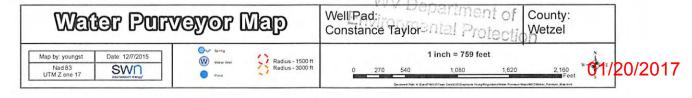
47 - 103 - 03149 Well name: Constance Taylor WTZ 5H Wileyville, Quad Proctor, District Wetzel County, West Virginia

Submitted by: Danielle Southall		12-2-2015
Title Regulatory Supervisor	SWN Pr	oduction Co., LLC
Approved by:	_ Date:	12-17-15
Title: Oil + Ger Inspector	-	
Approved by:		
	_ Date:	
Title:		
SWN Production Co., LLC – Confidential		RECEIVED Office of Oil and Gas
		JAN 2 7 2016
		WV Department of Environmental Protection

103-03149



The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.



WW-6A1 (5/13) Operator's Well No. Constance Taylor MSH 5#

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:

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

See Attached

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

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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 Co., LLC
Ву:	Thil His) - TRAVIS HILL
Its:	SENIOR LANDMAN

Page 1 of

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, L.L.C., Operator Constance Taylor South 8H Wetzel County, West Virginia

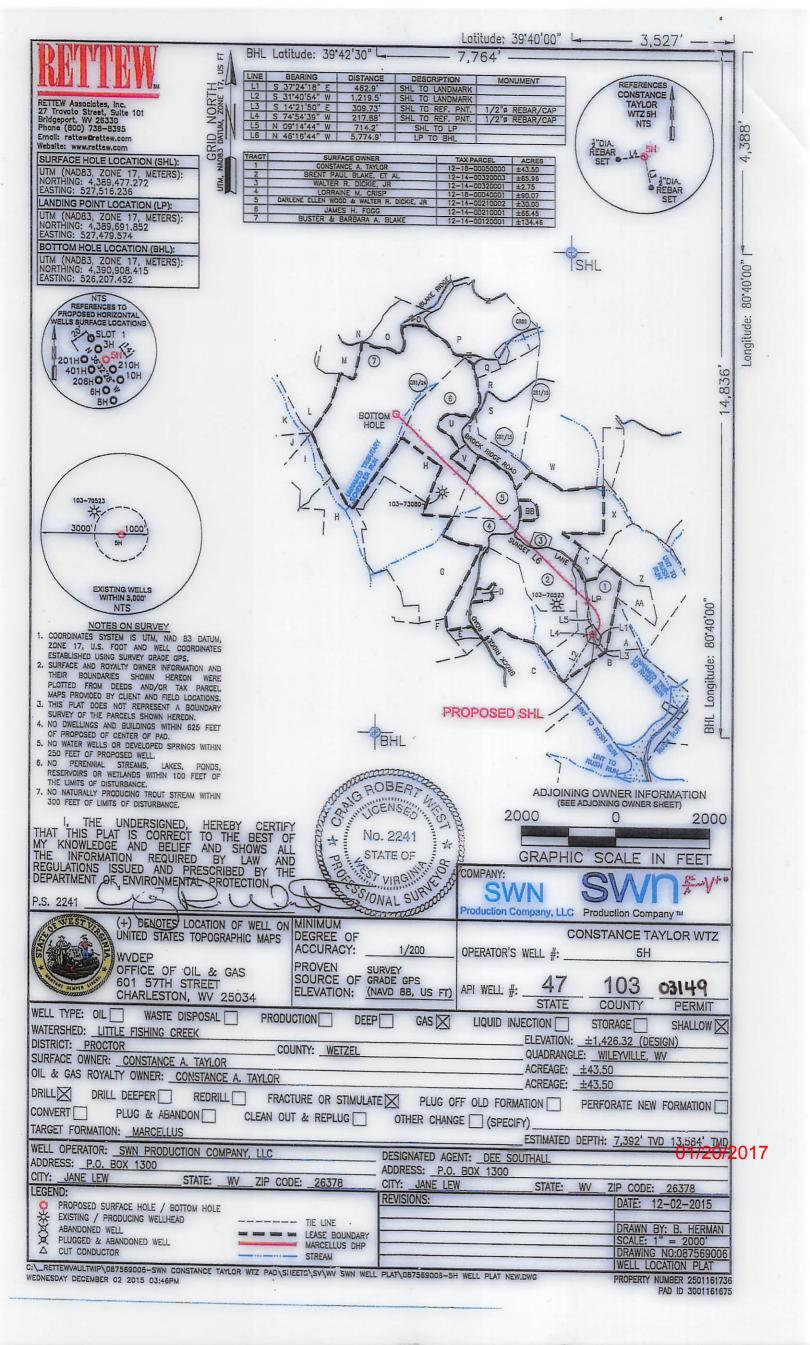
ract#	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	BK/PG	Surface Owner	Book/Page Must describe The Parce	Deeded Acreage	Leased
1	12-0018-0005-0000	WV0000155-001	Harold H. Blake and Donna M. Blake, husband and wife Haddad and Brooks, Inc. Chesapeake Appalachia, LLC	Haddad and Brooks, Inc. Chesapeake Appalachia, LLC SWN Production Company, LLC	12.50%	79A/452 104A/230 157A/540	Constance A. Taylor	357/480	43.087500	78.000000
1	12-0018-0005-0000	1-292576-001	BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia, LLC	BRC Working Interest Company LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	12.88%	102A/505 103A/470 157A/540	Constance A. Taylor	357/480	43.087500	N/A
1	12-0018-0005-0000	1-348380-001	Tammy Kemnetz, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	17.00%	130A/706	Constance A. Yaylor	357/480	43.087500	43.500000
			Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
1	12-0018-0005-0000	1-346380-002	Leonard Dunham, a/k/a Leonard Sidney Dunham, a married man dealing in his sole and separate property	Chesapeake Appalachia, LLC	17.00%	130A/951	Constance A. Taylor	357/480	43.087500	43,500000
			Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
I	12-0018-0005-0000	1-348380-003	Debra Keesee, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	17,00%	132A/456	Constance A. Taylor	357/480	43,087500	43.500000
_			Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540		229111		
1	12-0018-0005-0000	47-0000842-001	Joan Sauro, a/k/a Joany Sauro, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	17.00%	153A/480	Constance A. Taylor	357/480	43.087500	43.500000
	13 0016 0006 0000	***	Chesapeake Appalachia, LLC	5WN Production Company, LLC	16 poer	157A/540		252500	13.043500	4174
1	12-0018-0005-0000	N/A	Audrey Dunham	SWN Production Company, LLC	16.00%	168A/619	Constance A. Taylor	357/480	43.087500	N/A
2	12-0018-0012-0000	1-301381-001	Mary Ballour Davis aka Mary B. Davis, a single woman Chesapeake Appalachia, LLC	Chesspeake Appalachia, LLC SWN Production Company, LLC	17,00%	111A/632 157A/540	Timothy N. Wells	427/577	78.090000	239.372000
2	12-0018-0012-0000	1-301381-002	Rosalyn A. Metzger, a married woman dealing in her sole and separate property		17.00%	121A/499	Timothy N. Wells	427/577	78.090000	239.372000
			Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
2	12-0018-0012-0000	1-301381-003	Deborah Rein, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	17.00%	121A/495	Timothy N. Wells	427/577	78.090000	239,372000
			Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
2	17-0018-0012-0000	1-301381-004	The Siegler Family Trust, by Rosalyn A. Metrger and Deborah Rein, acting as Trustees		17.00%	121A/700	Timothy N. Wells	427/577	78.090000	239,372000
	71 200 200 200		Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
2	12-0018-0012-0000	1-292576-001	BRC Minerals LP and BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.88%	103A/320 103A/470 157A/540	Timothy N. Welis	427/577	78.090000	N/A
2	12-0018-0012-0000	722916-001	Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	157A/646	Timothy N. Wells	427/577	78.090000	N/A
3	12-0018-0019-0000	1-301381-001	Mary Ballour Davis aka Mary B. Davis,		17.00%	111A/632	Jimmy Duke Reed	367/683	60.000000	239.372000
			a single woman Chesapeake Appalachia, LLC	SWN Production Company, LLC	1,340	157A/540	Allinity Make Need	201/003	60.00000	23372000
3	12-0018-0019-0000	1-301381-002	Rosalyn A. Metzger, a married woman dealing in her sole and separate property	Chesapeake Appalachia, LLC	17.00%	171A/499	Jimmy Duke Reed	367/683	60,000000	239 372000
			Chiesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
3	12-0018-0019-0000	1-301381-003	Deborah Rein, a married woman dealing in her sole and separate property	Cherapeake Appalachia, LLC	17.00%	121A/495	Jimmy Duke Reed	367/683	60,000000	239.372000
			Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
3	12-0018-0019-0000	1-301381-004	The Siegler Family Trust, by Rosalyn A. Metzger and Deborah Rein, acting as Trustees		17.00%	121A/700	Jimmy Duke Reed	367/683	60,000000	239.372000
	12-0018-0019-0000	1-292576-001	Chesapeake Appalachia, LLC	SWN Production Company, LLC		157A/540				
3	17-0018-0019-0000	1-2925/6-001	BRC Minera's LP and BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC	12.88%	103A/320 103A/470 157A/540	Jimmy Duke Reed	367/683	60.000000	N/A
3	12-0018-0019-0000	722916-001	Chesapeake Appalachia, LLC	SWN Production Company, LLC	12.50%	157A/646	Jimmy Duke Reed	367/683	60.000000	N/A
3	12-0018-0019-0000	N/A	Richard C. Davis	Haddad and Brooks, Inc.	12.50%	79A/456	Jimmy Duke Reed	367/683	60,000000	240.000000
			Haddad and Brooks, Inc. Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC		104A/230 157A/540		and and	20,220,000	
4	01-0013-0007-0000	1-344236-001	Janice E. Cowan, a single woman Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC	17.00%	121A/859 157A/540	Patrick L Morris	393/35	88.500000	88.500000
4	01-0013-0007-0000	1-344236-002	Jon A. Cowan, aka John A. Cowan, a single man Chesapeake Appalachia, LLC	Cherapeake Appalachia, LLC SWN Production Company, LLC	17.00%	121A/903 157A/540	Patrick L. Morris	393/35	88.500000	88.500000
5	01-0013-0008-0000	WV0000152-001	Geneva Rawe, a widow; Elleen C.	Haddad and Brooks, Inc.	12.50%	80A/72	Patrick L Morris	371/140	70,000000	102,000000
			Smittle; Madelyn C. Harman, widow							

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01/20/2017





RETTEW Associates, Inc.
27 Travato Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8395
Email: rettew@rettew.com
Website: www.rettew.com

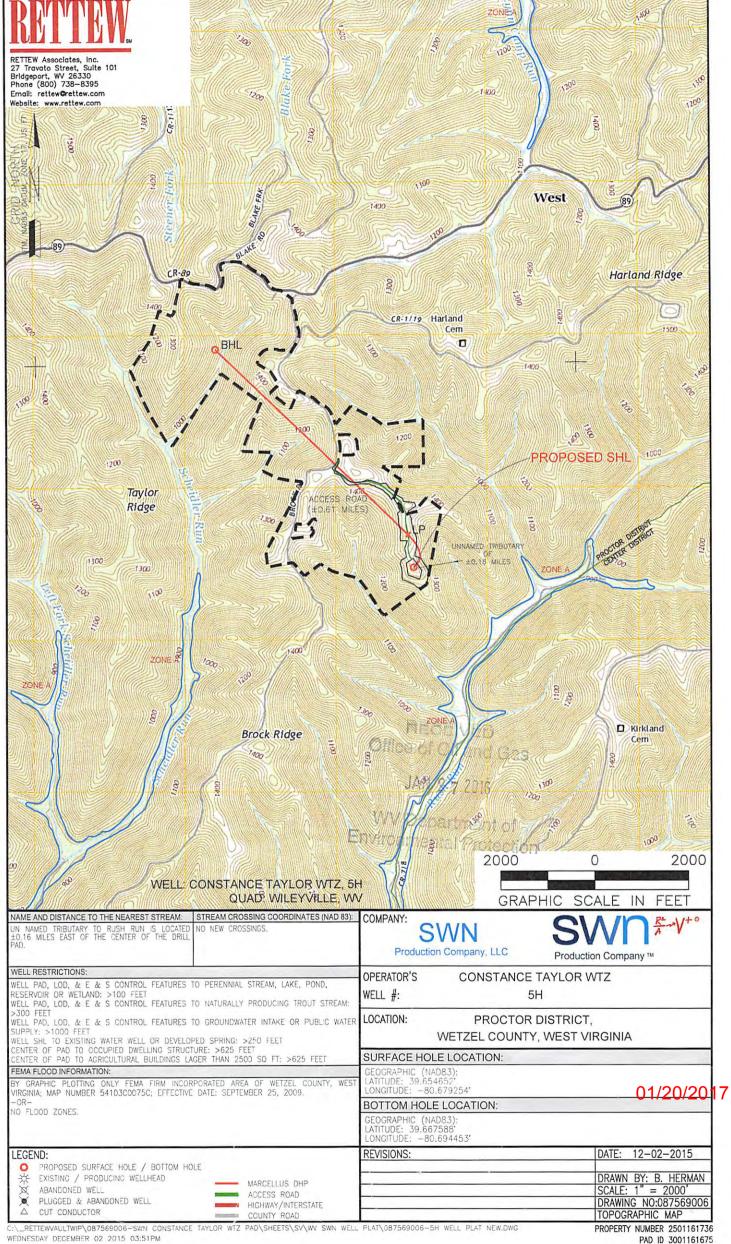
ADJOINING OWNERS

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	BENJAMIN SHANOWER	12-18-00060000	±10.00
В	TIMOTHY N. WELLS	12-18-00120000	±78.09
C	RICHARD E. & STEPHANIE WILLIAMS	12-18-00110000	±64.00
D	CONSTANCE A. TAYLOR	12-18-00040000	±2.87
E	DAVID F. & ROSANNE POSTLETHWAIT	12-18-00030000	±3.22
F	WANDA HUGGINS	12-18-00010000	±35.00
G	LORRAINE M. CRISP	12-14-00310000	±100.38
Н	BUSTER TERRY BLAKE	12-14-00300000	±108.50
i	HEITH M. & DAVID L. HOWELL & ROBERT C.	12-14-00200000	±28.88
J	HARRY E., MICHAEL, & DAVID MCABEE & GARY SPEECE, JR.	12-14-00180000	±28.00
K	MARY C. BENNINGTON	12-14-00170000	±65.00
1	ROBERT C. & MILDRED M. RICHTER	12-14-00100000	±99.19
М	CHARLES E. & SHIRLEY M. SMITH	12-14-00120003	±18.30
N	DONNA & STEVEN WHITE	12-14-00120000	±15.81
0	SHEILA K. WHITE	12-14-00120004	±18.35
P	CHESAPEAKE APPALACHIA LLC.	12-14-00130000	±85.30
Q	QUENTIN ALAN YOCUM, JR.	12-14-00220003	±3.21
R	T&C TRUST	12-14-00220001	±17.87
S	OWEN E. SCHMUCKER	12-14-00220000	±27.25
T	OWEN E. SCHMUCKER	12-14-00210004	±15.00
U	BURL E. & SHIRLEY A. RICHMOND	12-14-00210000	±6.57
V	DAVID L. & CAROLYN S. LONG	12-14-00210003	±5.53
W	CATHERINE L. GODDARD & JAMES M. LEDERGERBER	12-14-00230000	±84.00
X	BRENT PAUL BLAKE, ETAL	12-14-00340000	±18.00
Ŷ	CONSTANCE A. TAYLOR	12-14-00330000	±6.25
Z	ERICK D. & PHYLLIS BECKER	12-18-00070000	±57.13
AA	BENJAMIN SHANOWER	12-18-00070001	±10.37
BB		12-14-00320002	±3.23

REVISIONS:	COMPANY:	SWN Production Company, LLC	SWI Production Company	у тм	
	OPERATOR'S WELL #:	CONSTANCE TAYLOR V 5H	VTZ	DRAWN BY: E	B. HERMAN
	LOCATION:	PROCTOR DISTRICT WETZEL COUNTY, WEST V		SCALE: DRAWING NO: ADJOINING O	

C:_RETTEWVAULTWIP\087569006-SWN CONSTANCE TAYLOR WTZ PAD\SHEETS\SV\WV SWN WELL PLAT\087569006-5H WELL PLAT\087569

PAD ID 3001161675





PO Box 1300 Jane Lew, WV 26378 PHONE: (832) 796-1610

December 16, 2015

Ms. Laura Cooper WV DEP Office of Oil & Gas 601 57th St., SE Charleston, WV 25304

RE: SWN's proposed Constance Taylor WTZ 8H and Constance Taylor WTZ 5H in Wetzel County, West Virginia, Drilling under Brock Ridge Road and Sunset Lane.

Dear Ms. Cooper:

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 Brock Ridge Road and Sunset Lane. 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,

SWN Production Company, LLC

- SENIOR LANDMAN

1000 Energy Drive

Spring, Texas 77389

The Right People doing the Right Things, wisely Investing the cash flow from Office of Olour underlying Assets, will create Value+

JAN 2 7 2016

WV Department of Environmental Protection 01/20/2017

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

Date of Notic	re Certification:		THE PROPERTY OF A PARTY	s Well No. Constance Taylor WTZ 5H	
	Europital Control		Well Pad	Name: Constance Taylor Pad	
Notice has b	0				
	e provisions in West Virginia Code § 22-6A	, the Operator has pro	vided the red	quired parties with the Notice Forms listed	
below for the	tract of land as follows:				
State:	WV	UTM NAD 83	Easting:	527516.236	
County:	103-Wetzel	OTIVI NAD 65	Northing:	4389477.272	
District:	7-Proctor	Public Road Acc	cess:	Brock Ridge Road	
Quadrangle:	681-Wileyville	Generally used farm name:		Constance Taylor	
Watershed:	Little Fishing Creek				
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), every puthe secretary, shall be verified and shall contend the owners of the surface described in sequired by subsections (b) and (c), section size surface owner notice of entry to survey puther of subsection (b), section sixteen of this are § 22-6A-11(b), the applicant shall tender probable been completed by the applicant.	tain the following inf ubdivisions (1), (2) kteen of this article; (rsuant to subsection ticle were waived in	formation: (1) and (4), substill that the re (a), section writing by	4) A certification from the operator that (i) section (b), section ten of this article, the equirement was deemed satisfied as a result ten of this article six-a; or (iii) the notice the surface owner; and Pursuant to West	

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

Required Attachments:

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

WV Department of 01/20/2017 Environmental Protection

Certification of Notice is hereby given:

THEREFORE, I , 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: SWN Production Co., LLC

By: Dee Southall Its: Regulatory Supervisor

Telephone: 832-796-1614 Address: P.O. Box 1300

Jane Lew, WV 26378

Facsimile:

Email: Dee Southall@swn.com



Subscribed and sworn before me this

day of Down len 2015

Notary Public

My Commission Expires

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.

Office of Oil and Gas

WV Department of Environmental Protection 1/20/2017

WW-6A (9-13) API NO. 47- 103 - 03/49
OPERATOR WELL NO. Constance Taylor WTZ 5H
Well Pad Name: Constance Taylor Pad

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

Notice Time Requirement: notice shall be prov	ided no later than the filing date of permit application.
Date of Notice: [] You'r Date Permit Applica	ation Filed:
	ICATE OF APPROVAL FOR THE RUCTION OF AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia C	ode § 22-6A-10(b)
☐ PERSONAL ☑ REGISTERED SERVICE MAIL	☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION
sediment control plan required by section seven of the surface of the tract on which the well is or is provided in the erosion and sediment control plans operator or lessee, in the event the tract of land on womer coal seams; (4) The owners of record of the swell work, if the surface tract is to be used for the pimpoundment or pit as described in section nine of have a water well, spring or water supply source looprovide water for consumption by humans or dome proposed well work activity is to take place. (c)(1) subsection (b) of this section hold interests in the larecords of the sheriff required to be maintained pur provision of this article to the contrary, notice to a l Code R. § 35-8-5.7.a requires, in part, that the operator of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires, in part, that the operator is the surface of the sheriff requires in part, that the operator is the surface of the sheriff requires in part, that the operator is the surface of the sheriff requires in part, that the operator is the surface of the sheriff requires in part, that the operator is the surface of the sheriff requires in part, that the operator is the surface of the sheriff requires in the surface of the sheriff requir	equires a receipt or signature confirmation, copies of the application, the erosion and this article, and the well plat to each of the following persons: (1) The owners of record of oposed to be located; (2) The owners of record of the surface tract or tracts overlying the used well work, if the surface tract is to be used for roads or other land disturbance as submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, which the well proposed to be drilled is located [sic] is known to be underlain by one or urface tract or tracts overlying the oil and gas leasehold being developed by the proposed placement, construction, enlargement, alteration, repair, removal or abandonment of any this article; (5) Any surface owner or water purveyor who is known to the applicant to cated within one thousand five hundred feet of the center of the well pad which is used to estic animals; and (6) The operator of any natural gas storage field within which the If more than three tenants in common or other co-owners of interests described in ands, the applicant may serve the documents required upon the person described in the suant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. rator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any and water testing as provided in section 15 of this rule.
☐ Application Notice ☐ WSSP Notice ☐ E& ☐ SURFACE OWNER(s)	&S Plan Notice ☑ Well Plat Notice is hereby provided to: ☐ COAL OWNER OR LESSEE
Name: Constance Taylor	Name: Consolidated Coal Company
Address: 807 Johnson St	Address: 1000 Consol Energy Drive
New Martinsville, WV 26155	Canonsburg, PA 15317
Name:	COAL OPERATOR
Address:	
Address.	
SURFACE OWNER(s) (Road and/or Other Di	Address:
	ESTIDEACE OWNED OF WATER WELL
Name:	AND/OR WATER PURVEYOR(\$) 0 0 0 0 and Gas
Address:	Names See Machinette
Nama	
Name:	Address:
Address:	FORED A TOP OF ANIV NATURAL CAS STORAGE FIELD
= CUDE (CE OWNIED() (L	☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits	Name: WV Department of
Name:	Name: WV Department of Address: Environmental Protection
Address:	*Please attach additional forms if necessary
	riease attach additional forms if necessary



Shiper



Consolidated Coal Company 1000 Consol Energy Drive Canonsburg, PA 15317



Erick D. & Phyllis Becker HC 60 218 A New Martinsville, WV 26155

MECEIVED Office of Oil and Gas

JAN 2 7 2016

WV Department of **Environmental Protection** Affectment 41

Constance Taylor WTZ Pad - Water Purveyors w/in 1500'

Landowner

Address

Erick & Phyllis Becker

647 Sunset Lane New Martinsville, WV 26155

RECEIVED
Office of Oil and Gas

JAN 27 2016

V/V Department of Environmental Protection

API NO. 47- 103 - 03149
OPERATOR WELL NO. Constance Taylor WTZ.5H
Well Pad Name: Constance Taylor Pad

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 of 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

API NO. 47-103 - 03149

OPERATOR WELL NO. Constance Taylor WTZ 5H

Well Pad Name: Constance Taylor Pad

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

Ruddiveb Office of Oil and Gas

JAN 2 7 2016

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

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.

Office of Oil and Gas

JAN 2 7 2016

WW-6A (8-13)

API NO. 47- 103 OPERATOR WELL NO. Constance Taylor WTZ 5H Well Pad Name: Constance Taylor Pad

Notice is	hereby	given	by:
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Well Operator: SWN Production Co., LLC Telephone: 304-884-1613

Email: Dee_Southall@swn.com

Address: P.O. Box 1300 Jane Lew, WV 26378 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.



Subscribed and sworn before me this Notary Public My Commission Expire

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

elivery m			red Entry: 12/30/2015					
chivery in	ethod pursuant	t to West Virginia C	le § 22-6A-10a					
PERSO	ONAL =	REGISTERED	☐ METHOD OF DELIVERY THA	METHOD OF DELIVERY THAT REQUIRES A				
SERVI		MAIL	RECEIPT OR SIGNATURE CO					
	West West St.	7-1-622 (A 10/-) I	and Cities and the United Alexander	perator shall provide notice of planned entry				
n to the sur ut no more eneath suc- wner of mind Sedime, ecretary, whable the s	rface tract to con than forty-five th tract that has f inerals underlyin the Control Manu- thich statement turface owner to	nduct any plat survey days prior to such en- filed a declaration pur ng such tract in the co- ual and the statutes an shall include contact obtain copies from the	required pursuant to this article. Such not to: (1) The surface owner of such traction to section thirty-six, article six, chanty tax records. The notice shall include rules related to oil and gas exploration formation, including the address for a vertical surface.	otice shall be provided at least seven days et; (2) to any owner or lessee of coal seams apter twenty-two of this code; and (3) any de a statement that copies of the state Erosic and production may be obtained from the web page on the Secretary's web site, to				
otice is he	reby provided	to:						
SURFA	CE OWNER(s)	☐ COAL OWNER C	OR LESSEE				
	ance A. Taylor	1						
	7 Johnson Street		Address:	Name:Address:				
w Martinsville	, WV 26155							
ame:								
ddress: _			☐ MINERAL OWN	☐ MINERAL OWNER(s)				
			Name:	Name:				
ame:			Address:	Address:				
ddress:			*slance attack additional few	*please attach additional forms if necessary				
ddress:			prease attach additional fori	ills if ficcessary				
ddress:								
	L. 29. T. 267, T							
otice is h	ereby given:	Code § 22-6A-10(a), r	ice is hereby given that the undersigne	ed well operator is planning entry to conduc				
otice is h	ereby given: West Virginia (Code § 22-6A-10(a), r						
otice is harsuant to plat survey	ereby given: West Virginia (Approx. Latitude & Longi					
otice is h ursuant to plat survey ate: punty:	ereby given: West Virginia C y on the tract of West Virginia	land as follows:	Approx, Latitude & Longi Public Road Access:	tude: N) 4,389,255.125 E) 527,518.921 Brock Ridge				
otice is h ursuant to blat survey ate: bunty: strict:	ereby given: West Virginia C y on the tract of West Virginia Wetzel Proctor	land as follows:	Approx. Latitude & Longi Public Road Access: Watershed:	tude: N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio				
Notice is h ursuant to plat survey tate:	ereby given: West Virginia C	land as follows:	Approx Latituda & Langi					
lotice is h ursuant to plat survey tate: county: bistrict: duadrangle: copies of th nay be obta harleston,	ereby given: West Virginia C y on the tract of West Virginia Wetzel Proctor : Wileyville e state Erosion ained from the S WV 25304 (30	and Sediment Contro ecretary, at the WV D 4-926-0450). Copies	Approx. Latitude & Longic Public Road Access: Watershed: Generally used farm name Manual and the statutes and rules relate partment of Environmental Protection 1	tude: N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio d to oil and gas exploration and production headquarters, located at 601 57 th Street, SE ation related to horizontal drilling may be				
fotice is hursuant to plat survey tate: ounty: istrict: uadrangle: opies of thay be obtaharleston,	ereby given: West Virginia C y on the tract of West Virginia Wetzel Proctor : Wileyville e state Erosion ained from the S WV 25304 (30	and Sediment Contro ecretary, at the WV D 4-926-0450). Copies	Approx. Latitude & Longic Public Road Access: Watershed: Generally used farm name Manual and the statutes and rules relate partment of Environmental Protection of the following such documents or additional informations.	Brock Ridge Upper Ohio d to oil and gas exploration and production headquarters, located at 601 57 th Street, SE				
otice is haursuant to plat survey ate: ounty: istrict: uadrangle: opies of the ay be obtatharleston, otained fro	ereby given: West Virginia Cy on the tract of West Virginia Wetzel Proctor : Wileyville e state Erosion sined from the S WV 25304 (30	and Sediment Contro secretary, at the WV E 44-926-0450). Copies by visiting www.der	Approx. Latitude & Longic Public Road Access: Watershed: Generally used farm name Manual and the statutes and rules relate partment of Environmental Protection of the following such documents or additional informations.	tude: N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio d to oil and gas exploration and production headquarters, located at 601 57 th Street, SE ation related to horizontal drilling may be				
otice is hursuant to plat survey ate: ounty: istrict: uadrangle: opies of the ay be obtatharleston, otained fro	ereby given: West Virginia Cy on the tract of West Virginia Wetzel Proctor Wileyville e state Erosion sined from the S WV 25304 (30 om the Secretary	and Sediment Contro secretary, at the WV E 44-926-0450). Copies by visiting www.der	Approx. Latitude & Longic Public Road Access: Watershed: Generally used farm name Manual and the statutes and rules relate partment of Environmental Protection of the following such documents or additional informations.	tude: N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio d to oil and gas exploration and production headquarters, located at 601 57 th Street, SE ation related to horizontal drilling may be Office of Oil and Gas				
otice is haursuant to plat survey ate: ounty: istrict: uadrangle: opies of the ay be obtatharleston, otained fro	ereby given: West Virginia Cy on the tract of West Virginia Wetzel Proctor Wileyville e state Erosion sined from the S WV 25304 (30 om the Secretary	and Sediment Contro secretary, at the WV D 4-926-0450). Copies by visiting www.dep	Approx. Latitude & Longic Public Road Access: Watershed: Generally used farm name Manual and the statutes and rules relate partment of Environmental Protection of such documents or additional informative.gov/oil-and-gas/pages/default.aspx. Address: 179 Innovation	tude: N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio d to oil and gas exploration and production headquarters, located at 601 57 th Street, SE, ation related to horizontal drilling may be Office of Oil and Gas				

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.

WW-6A3 (1/12)

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

Delivery metho	12/23/2015	Data of Dlan						
		Date of Flair	ned Entry: 12/30/2015					
_	od pursuant to	West Virginia Co	de § 22-6A-10a					
☐ PERSONA	AL III F	REGISTERED	☐ METHOD OF DEL	IVERY THAT RE	EOUIRES A			
SERVICE		MAIL		RECEIPT OR SIGNATURE CONFIRMATION				
on to the surface but no more than beneath such tra owner of minera and Sediment Co Secretary, which	e tract to condu n forty-five day act that has filed als underlying sontrol Manual a h statement sha	ct any plat surveys is prior to such ent I a declaration purs uch tract in the cou and the statutes and	required pursuant to this any to: (1) The surface owner that to section thirty-six, a next tax records. The notice rules related to oil and gast formation, including the a	ticle. Such notice s of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to			
Notice is hereby	y provided to:							
■ SURFACE	OWNER(s)	/	□ coa	L OWNER OR LE	SSEE			
Name: Joan AKA J		1						
Address: 232 Rain	nbow Drive		Address:					
Livingston, TX 77399								
Tvanic.								
Address:			■ MINE	ERAL OWNER(s)	0.1			
			Name: Joa	n AKA Joany Sauro				
Name:			Address:	Address: 232 Rainbow Drive				
Address:			Livingston, TX	Livingston, TX 77399 *please attach additional forms if necessary				
Notice is here		\$ 22 CA 10(a)						
a plat survey on			tice is hereby given that th	e undersigned wei	l operator is planning entry to conduct			
A TANK A A R. D. A. HOLL ST. M. A. A.	Vest Virginia	d d3 follows.	Approx. Latit	ude & Longitude:	N) 4,389,255,125 E) 527,518.921			
-23	Vetzel		Doletta Dand /		Brock Ridge			
District: Pr	68.6		Windowski and		Upper Ohio			
Quadrangle: w			Generally use	d farm name:				
may be obtained Charleston, WV	I from the Secre 25304 (304-9)	etary, at the WV D 26-0450). Copies	partment of Environmenta	l Protection headquoinal information r	il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be			
Notice is herel	hy given hy							
ACCUMATE ADMINISTRATION OF THE PARTY OF THE		mpany LLC	Address:	179 Innovation Drive				
Telephone:	304-884-1611	mpany LLO	/ radioss.	Jane Lew, West Virginia	26378			
Email:	micah feather@swr	n.com	Facsimile:		and of the sent than			
- 77				Uill	e or Uniting Gas			

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.

01/20/2017

WW-6A3 (1/12)

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

	ce: 12/23/2015	Date of Plan	nned Entry: 12/30/2015
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a
PERSO SERVIC		REGISTERED MAIL	☐ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION
on to the surf but no more t beneath such owner of min and Sediment Secretary, wh enable the sur	ace tract to cond than forty-five d tract that has fil terals underlying t Control Manua nich statement sl rface owner to co	duct any plat surveys ays prior to such ent led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the	rior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days ry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any unty tax records. The notice shall include a statement that copies of the state Erosion drules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to e secretary.
Notice is her	eby provided to	0:	
■ SURFAC	CE OWNER(s)		☐ COAL OWNER OR LESSEE
Name: Leonard	d Dunham		Name:
Address: 419 Moundsville, WV 2	Edgewood Avenue		Address:
Name:			
Address:			☐ MINERAL OWNER(s)
			Name:
Name:			Name:Address:
Address:			*please attach additional forms if necessary
Pursuant to W a plat survey State:	ereby given: Vest Virginia Co on the tract of la West Virginia		otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: N) 4,389,255.125 E) 527,518.921
County:	Wetzel		
District:			Watershed: Upper Ohio
Quadrangle:	Wileyville		Generally used farm name:
		cretary, at the WV D	Manual and the statutes and rules related to oil and gas exploration and production repartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such decomposition and distinct information related to herizontal distinct provides
may be obtain Charleston, V obtained from	VV 25304 (304 n the Secretary b	by visiting <u>www.dep</u>	of such documents or additional information related to horizontal drilling may be www.gov/oil-and-gas/pages/default.aspx .
may be obtain Charleston, Vobtained from Notice is he	VV 25304 (304 in the Secretary bereby given by	by visiting <u>www.dep</u>	.wv.gov/oil-and-gas/pages/default.aspx.
may be obtain Charleston, Vobtained from Notice is he Well Operato	VV 25304 (304 in the Secretary b reby given by or: SWN Production	by visiting <u>www.dep</u>	.wv.gov/oil-and-gas/pages/default.aspx. Address: 179 Innovation Drive
may be obtain Charleston, Vobtained from Notice is he	VV 25304 (304 in the Secretary bereby given by	by visiting <u>www.dep</u> : Company LLC	.wv.gov/oil-and-gas/pages/default.aspx.

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

Operator Well No. Constance Taylor WTZ Pad

WW-6A3 (1/12)

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

		equirement:	Notice shall be prov	ided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
Date		12/23/2015	Date of Plan	nned Entry: 12/30/2015
Deli	very metho	od pursuant	to West Virginia Co	ode § 22-6A-10a
	PERSONA	L 🔳	REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
	SERVICE		MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to but r bene own and Secr enab	o the surface no more than eath such tra er of minera Sediment C retary, which ole the surface	e tract to cond in forty-five d act that has fil als underlying ontrol Manua in statement sl ce owner to co	duct any plat surveys ays prior to such ent led a declaration pur- g such tract in the co al and the statutes an hall include contact in obtain copies from the	rior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days ry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any unty tax records. The notice shall include a statement that copies of the state Erosio d rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to be secretary.
		y provided to		
		OWNER(s)		☐ COAL OWNER OR LESSEE
	ne:			Name: CNX Center c/o Leatherwood
Add				
Nam				
Add	ress;			☐ MINERAL OWNER(s)
				Name:
Nam	ie:			Address:
Add	ress:			
				*please attach additional forms if necessary
NIA	las is basis	har alternati		
	ice is here		nde 8 22-6A-10(a) n	otice is hereby given that the undersigned well operator is planning entry to conduct
				once is notedy given that the undersigned wen operator is planning entry to conduct
4 1/10	a plat survey on the tract of land as follows:			
		Vest Virginia		Approx. Latitude & Longitude: N) 4,389,255.125 E) 527,518.921
State	e: <u>w</u>	Vest Virginia		D 112 B 114
State	e: w	Vest Virginia		D 112 B 114
State Cour Distr	e: w	Vest Virginia Vetzel Proctor		Public Road Access: Brock Ridge
State Cour Distr Quad Copi may Char	e: with the state of the state	Vest Virginia Vetzel Proctor Vileyville ate Erosion at I from the Sec. 25304 (304	nd Sediment Control cretary, at the WV D -926-0450). Copies	Public Road Access: Brock Ridge Watershed: Upper Ohio
State Cour Distr Quad Copi may Char obta	nty: when the state of the stat	Vest Virginia Vetzel Proctor Vileyville ate Erosion and from the Sec. 25304 (304 ne Secretary by	nd Sediment Control cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to oil and gas exploration and production repartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be
State Cour Distr Quad Copi may Char obta	e: winty:	Vest Virginia Vetzel Proctor Alleyville Atte Erosion and from the Sec. 25304 (304 ne Secretary by	nd Sediment Control cretary, at the WV E-926-0450). Copies by visiting www.dep	Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to oil and gas exploration and production repartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be .wv.gov/oil-and-gas/pages/default.aspx.
Copi Copi may Char obta	e: winty:	Vest Virginia Vetzel Proctor Vileyville ate Erosion and from the Sec. 25304 (304 ne Secretary by	nd Sediment Control cretary, at the WV E-926-0450). Copies by visiting www.dep	Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to oil and gas exploration and production repartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be www.gov/oil-and-gas/pages/default.aspx . Address: 179 Innovation Drive
Copi May Char Obta Not	nty: when the state of the stat	Vest Virginia Vetzel Proctor Alleyville Atte Erosion and from the Sec. 25304 (304 ne Secretary by	nd Sediment Control cretary, at the WV E-926-0450). Copies by visiting www.dep	Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to oil and gas exploration and production repartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be .wv.gov/oil-and-gas/pages/default.aspx.

Oil and Gas Privacy Notice:

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Operator Well No. Constance Taylor WTZ Pad

WW-6A3 (1/12)

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

Notice Time entry	Requirement:	Notice shall be prov	vided at least SEVEN (7)	lays but no more tha	n FORTY-FIVE (45) days prior to			
	e: 12/23/2015	Date of Pla	nned Entry: 12/30/2015					
Delivery met	hod pursuant	to West Virginia C	ode § 22-6A-10a					
☐ PERSON	NAL I	REGISTERED	☐ METHOD OF DI	ELIVERY THAT RE	EOUIRES A			
SERVIC		MAIL		NATURE CONFIR				
on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, wh	ace tract to cond nan forty-five d tract that has fil erals underlying Control Manua ich statement sl	duct any plat survey ays prior to such en ed a declaration put g such tract in the co ll and the statutes ar	s required pursuant to this try to: (1) The surface own suant to section thirty-six, bunty tax records. The not ad rules related to oil and ginformation, including the	article. Such notice ser of such tract; (2) article six, chapter tice shall include a state exploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the tage on the Secretary's web site, to			
Notice is here	eby provided to	0:						
SURFAC	CE OWNER(s)		Псо	AL OWNER OR LE	SSEE			
Name: Audrey	the state of the s			Name:				
	Bethel Church Road		Address	Address:				
Tarheel, NC 28392			_					
Name:				Marie Same				
Address:			■ MI	NERAL OWNER(s)				
			_ Name: A	udrey Dunham	1			
Name:			Address	Address: 905 Bethel Church Road				
Address:			Tarheel, NO	Tarheel, NC 28392 *please attach additional forms if necessary				
			_ *please att	ach additional forms if ne	ccessary			
				the undersigned wel	l operator is planning entry to conduct N) 4,389,255.125 E) 527,518.921			
County:	Motral		Public Road		Brock Ridge			
District:			11/	7100033.	Upper Ohio			
Quadrangle:	Wileyville			sed farm name:				
may be obtain Charleston, W	ned from the Ser V 25304 (304	cretary, at the WV I -926-0450). Copies	Department of Environmer	tal Protection headq itional information i	il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be			
Notice is he	reby given by							
Well Operator			Address:	179 Innovation Drive				
Telephone:	304-884-1611			Jane Lew, West Virginia	a 26378			
Email:	micah_feather@	swn.com	Facsimile	THE PARTY OF THE P				
Oil and Gas	Privacy Not			REG	elved			

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.

WW-6A3 (1/12)

Operator Well No. Constance Taylor WTZ Pad

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

entry			nned Entry: 12/30/2015	ays out no more tha	in FORTY-FIVE (45) days prior to		
Delivery met	hod pursuant t	to West Virginia C	ode § 22-6A-10a				
	SERVICE MAIL REC			LIVERY THAT RE			
on to the surfa but no more the beneath such owner of mine and Sediment Secretary, wh	ace tract to cond han forty-five d tract that has fil erals underlying Control Manua ich statement sl	duct any plat survey, ays prior to such en- led a declaration pur g such tract in the co al and the statutes an	s required pursuant to this try to: (1) The surface own suant to section thirty-six, but tax records. The notion of rules related to oil and ginformation, including the	article. Such notice er of such tract; (2) article six, chapter to shall include a state exploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to		
Notice is here	eby provided to	0:					
☐ SURFAC	CE OWNER(s)		□ co	AL OWNER OR LE	ESSEE		
Name:			Name: _	Name:			
Address:			Address:	Address:			
Name:			_	Little Parkers			
Address:			LEI MIN	■ MINERAL OWNER(s)			
			Name: O	Name: OXY USA, Inc.			
Name:			_ Address:	Address: 5 Greenway Plaza, Suite 110			
Address:			Houston, TX *please atta	Houston, TX 77046 *please attach additional forms if necessary			
	Vest Virginia Co on the tract of la West Virginia Wetzel	and as follows:	Approx. Lat	tude & Longitude:	Il operator is planning entry to conduct N) 4,389,255.125 E) 527,518.921 Brock Ridge		
Quadrangle:	The same of the sa		C 11	Watershed: Upper Ohio Generally used farm name:			
Zaudi tiligioi			Generally u.	ou turni numer	+		
may be obtain Charleston, W	ned from the Sec VV 25304 (304-	cretary, at the WV I -926-0450). Copies	Department of Environmen	al Protection headq	oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be		
Notice is be	volve givon be-						
Well Operator	reby given by r: SWN Production		Address:	179 Innovation Drive	Dispussion		
Telephone:	304-884-1611	Company LLC	Addiess.	Jane Lew, West Virgini	FIECEIVED		
Email:	micah feather@s	swn.com	Facsimile		or Offerd Gas		
and construction	can_icanici@.		- A withouse		IANI		
Oil and Cas	Privacy Noti	ico:			JAN 2 7 2018		

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.

WW-6A3 (1/12)

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

	Requirement:	Notice shall be prov	ded at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
entry Date of Notice	e: 12/23/2015	Date of Pla	ned Entry: 12/30/2015
		to West Virginia C	
☐ PERSO		REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
SERVIC	E	MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to the surfa- but no more to beneath such owner of min- and Sediment Secretary, whenable the sur	ace tract to cond nan forty-five d tract that has fil erals underlying Control Manua ich statement sl face owner to o	duct any plat survey ays prior to such en led a declaration pur g such tract in the coal and the statutes are hall include contact obtain copies from the	required pursuant to this article. Such notice shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days y to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams uant to section thirty-six, article six, chapter twenty-two of this code; and (3) any nty tax records. The notice shall include a statement that copies of the state Erosion rules related to oil and gas exploration and production may be obtained from the aformation, including the address for a web page on the Secretary's web site, to executary.
Notice is her	eby provided to	0:	
SURFACE	CE OWNER(s)	1	☐ COAL OWNER OR LESSEE
Name: Paul Bla	ke (Life Estate)	1	Name:
	unset Lane		Address:
New Martinsville, V			
Name:			
Address:			☐ MINERAL OWNER(s)
			Name:
Name:			Name:Address:
Address:			
			*please attach additional forms if necessary
			otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: N) 4,389,255.125 E) 527,518.921
County:	Wetzel		
District:			
Quadrangle:			
may be obtain Charleston, W	state Erosion and the Service of the Service (304)	nd Sediment Contro cretary, at the WV I -926-0450). Copies	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be www.gov/oil-and-gas/pages/default.aspx .
	reby given by		737
Well Operato	SWN Production	Company LLC	Address: 179 Innovation Drive
Telephone:	304-884-1611		Jane Lew, West Virginia 26378
Email:	micah_feather@	swn.com	Facsimile: 304-471-2497
Oil and Gas	Privacy Not	ice:	Office of Oil and Gas

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 apartment of DEP's Chief Privacy Officer at depprivacyofficer@wv.gov. Environmental Protection 01/20/2017

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

	equirement: 1	Notice shall be prov	ided at least SEVEN (7) days but no more that	an FORTY-FIVE (45) days prior to		
entry Date of Notice:	12/23/2015	Date of Plan	ned Entry: 12/30/2015				
Delivery metho	d pursuant t	o West Virginia Co	ode 8 22-6A-10a				
☐ PERSONA	L	REGISTERED		METHOD OF DELIVERY THAT REQUIRES A			
SERVICE		MAIL	RECEIPT OR S	SIGNATURE CONFIR	RMATION		
on to the surface but no more than beneath such tra- owner of minera and Sediment Co Secretary, which enable the surface	e tract to cond in forty-five da ct that has file als underlying control Manua in statement sh ce owner to ol	uct any plat surveys mys prior to such ent ed a declaration purs such tract in the con I and the statutes and all include contact i btain copies from th	required pursuant to the ry to: (1) The surface of suant to section thirty-sunty tax records. The right of rules related to oil and information, including the related to oil and the r	is article. Such notice wner of such tract; (2) ix, article six, chapter otice shall include a st I gas exploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any satement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to		
Notice is hereby	y provided to	:					
☐ SURFACE	OWNER(s)			☐ COAL OWNER OR LESSEE			
			Name	Name:			
Address:			Addre	Address:			
				Acres was a			
Address:			_ LEI N	IINERAL OWNER(s)			
			Name	Somerset Minerals, LP			
Address:			Addre	SS: 14860 Montfort Drive Suit TX 75254	e 209		
			*please	attach additional forms if no	ecessary		
a plat survey on State: w County: w	et Virginia Co the tract of la lest Virginia letzel roctor		Approx. Public Ro	Latitude & Longitude: ad Access:	Il operator is planning entry to conduct N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio		
may be obtained Charleston, WV obtained from th Notice is here! Well Operator: Telephone:	I from the Sec 25304 (304- ne Secretary b	cretary, at the WV D 1926-0450). Copies y visiting <u>www.dep</u> :	epartment of Environn of such documents or a .wv.gov/oil-and-gas/pa Addres	ental Protection headedditional information ges/default.aspx. S: 179 Innovation Drive Jane Lew, West Virgin	oil and gas exploration and production quarters, located at 601 57 th Street, SE, related to horizontal drilling may be		
Email:	micah_feather@s	swn.com	Facsim	ile: 304-471-2497	f Oil and Gas		
Oil and Gas P	rivacy Noti	ce:		JAN	1 2 7 201c		

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.

WW-6A3 (1/12)

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

	ce: 12/23/2015	Date of Planned	l Entry: 12/30/2015			
Delivery met	thod pursuant to W	est Virginia Code {	§ 22-6A-10a			
☐ PERSO	NAL REG	GISTERED [METHOD OF DELIVERY THAT REQUIRES A			
SERVIC	CE MA	IL	RECEIPT OR SIGNATURE CONFIRMATION			
on to the surf but no more to beneath such owner of min and Sediment Secretary, who	ace tract to conduct a than forty-five days put ract that has filed a perals underlying suct that the control Manual and	any plat surveys req orior to such entry to declaration pursuan in tract in the county If the statutes and rul include contact infor	to filing a permit application, the operator shall provide notice of plan quired pursuant to this article. Such notice shall be provided at least seven (1) The surface owner of such tract; (2) to any owner or lessee of control to section thirty-six, article six, chapter twenty-two of this code; and tax records. The notice shall include a statement that copies of the states related to oil and gas exploration and production may be obtained from the control to the state of the state o	ren days al seams (3) any ate Erosion from the		
Notice is her	eby provided to:					
☐ SURFA	CE OWNER(s)		☐ COAL OWNER OR LESSEE	☐ COAL OWNER OR LESSEE		
			Name:	Name:		
Address:			Address:	Name:		
Name:			<u></u>			
Address:			■ MINERAL OWNER(s)			
			Name: MM - Marcellus - HBP 1, LP			
Name:				Address: 508 W. Wall Street, Ste. 1250		
Address:			Midland, TX 79702 *please attach additional forms if necessary			
Pursuant to Warsuant plat survey	on the tract of land a West Virginia	s follows:	Approx. Latitude & Longitude: Public Road Access: N) 4,389,255.125 E) 527,518.921 Brock Ridge	o conduct		
	Wetzel		rubiic Road Access.			
County:	Wetzel Proctor		Watershed: Upper Ohio			
State: County: District: Quadrangle:						
County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained fron Notice is he Well Operato	Proctor Wileyville e state Erosion and Sened from the Secreta VV 25304 (304-926)	ediment Control Mary, at the WV Depare-0450). Copies of sisting www.dep.wv.	Watershed: Upper Ohio	treet, SE,		
County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained fron Notice is he Well Operato Telephone:	Proctor Wileyville state Erosion and Sened from the Secreta VV 25304 (304-926 In the Secretary by viereby given by:	ediment Control Mary, at the WV Depare-0450). Copies of sisting www.dep.wv.	Watershed: Generally used farm name: unual and the statutes and rules related to oil and gas exploration and prtment of Environmental Protection headquarters, located at 601 57 th Such documents or additional information related to horizontal drilling gov/oil-and-gas/pages/default.aspx.	treet, SE,		
County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained fron	Proctor Wileyville e state Erosion and Sened from the Secreta VV 25304 (304-926 In the Secretary by viereby given by: Ereby given by: SWN Production Comp	ediment Control Mary, at the WV Depar 0450). Copies of sisting <u>www.dep.wv.</u>	Watershed: Generally used farm name: unual and the statutes and rules related to oil and gas exploration and prtment of Environmental Protection headquarters, located at 601 57 th Such documents or additional information related to horizontal drilling gov/oil-and-gas/pages/default.aspx. Address: 179 Innovation Drive	treet, SE,		

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.

WW-6A3 (1/12)

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

entry			idea in least SD (D) (() dia	ys out no more tha	n FORTY-FIVE (45) days prior to	
Date of Noti	ce: 12/23/2015	Date of Plan	nned Entry: 12/30/2015			
Delivery me	thod pursuant t	to West Virginia C	ode § 22-6A-10a			
☐ PERSO	NAL	REGISTERED	☐ METHOD OF DEL	IVERY THAT RI	EQUIRES A	
SERVIC	CE	MAIL	RECEIPT OR SIGN	NATURE CONFIR	MATION	
on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the su	ace tract to conciban forty-five ditract that has filterals underlying to Control Manuatich statement shrface owner to o	duct any plat surveys ays prior to such en- led a declaration pur- g such tract in the co- al and the statutes an hall include contact obtain copies from the	s required pursuant to this are try to: (1) The surface owner suant to section thirty-six, and ounty tax records. The notice and rules related to oil and gas information, including the ac-	ticle. Such notice of such tract; (2) rticle six, chapter the shall include a state of sexploration and p	shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to	
Notice is her	eby provided to	o:				
☐ SURFAC	CE OWNER(s)		☐ COA	☐ COAL OWNER OR LESSEE		
Name:			Name:	Name:		
Address:			Address:	Address:		
Name:				ERAL OWNER(s)		
					/	
Name:			Address:	Address: 100 Kuroki St.		
Address:			Wellsburg, WV	Wellsburg, WV 26070		
			*please attack	h additional forms if ne	cessary	
	reby given:	do \$ 22.64.10(a) -	notice is hereby given that th	a undersioned well		
a plat survey	Vest Virginia Co on the tract of la West Virginia		Approx. Latite	ude & Longitude:	N) 4,389,255.125 E) 527,518.921	
a plat survey State: County:	on the tract of la		Approx. Latiti Public Road A	ude & Longitude:		
a plat survey State: County: District:	on the tract of la West Virginia Wetzel Proctor		Approx. Latiti Public Road A Watershed:	ude & Longitude: Access:	N) 4,389,255.125 E) 527,518.921	
	on the tract of la West Virginia Wetzel		Approx. Latiti Public Road A	ude & Longitude: Access:	N) 4,389,255.125 E) 527,518.921 Brock Ridge	
a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, V	west Virginia Wetzel Proctor Wileyville state Erosion armed from the Sec VV 25304 (304-	and as follows: and Sediment Control cretary, at the WV E -926-0450). Copies	Approx. Latite Public Road A Watershed: Generally use I Manual and the statutes and Department of Environmenta	ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information r	N) 4,389,255.125 E) 527,518.921 Brock Ridge	
a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained fron	west Virginia West Virginia Wetzel Proctor Wileyville state Erosion are need from the Sec VV 25304 (304- in the Secretary by	and as follows: and Sediment Controcretary, at the WV E-926-0450). Copies by visiting www.dep	Approx. Latite Public Road A Watershed: Generally use I Manual and the statutes and Department of Environmenta of such documents or additi	ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information r	N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio il and gas exploration and production uarters, located at 601 57 th Street, SE,	
a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained fron Notice is he	west Virginia Wetzel Proctor Wileyville state Erosion are from the Sec VV 25304 (304-1) the Secretary by the state by given by	and as follows: and Sediment Control cretary, at the WV E -926-0450). Copies by visiting www.dep	Approx. Latite Public Road A Watershed: Generally use I Manual and the statutes and Department of Environmenta of such documents or additionwy.gov/oil-and-gas/pages/o	ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information r lefault.aspx.	N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be	
a plat survey State: County: District: Quadrangle: Copies of the may be obtain Charleston, V obtained fron Notice is he Well Operato	west Virginia Wetzel Proctor Wileyville state Erosion are ned from the Sec VV 25304 (304-1) the Secretary by the Secretary b	and as follows: and Sediment Control cretary, at the WV E -926-0450). Copies by visiting www.dep	Approx. Latite Public Road A Watershed: Generally use I Manual and the statutes and Department of Environmenta of such documents or additi	ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information r default.aspx.	N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio il and gas exploration and production warters, located at 601 57 th Street, SE, elated to horizontal drilling may be	
a plat survey State: County: District; Quadrangle: Copies of the may be obtain Charleston, V obtained fron Notice is he	west Virginia Wetzel Proctor Wileyville state Erosion are from the Sec VV 25304 (304-1) the Secretary by the state by given by	and as follows: and Sediment Controcretary, at the WV E-926-0450). Copies by visiting www.dep	Approx. Latite Public Road A Watershed: Generally use I Manual and the statutes and Department of Environmenta of such documents or additionwy.gov/oil-and-gas/pages/o	ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information r lefault.aspx.	N) 4,389,255.125 E) 527,518.921 Brock Ridge Upper Ohio il and gas exploration and production warters, located at 601 57 th Street, SE, elated to horizontal drilling may be	

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WW-6A3 (1/12)

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

	Requirement:	Notice shall be prov	ided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
Date of Notice	ce: 12/23/2015	Date of Plan	ned Entry: 12/30/2015
Delivery met	hod pursuant t	to West Virginia Co	ode § 22-6A-10a
☐ PERSON	NAL 🔳	REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
SERVIC		MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to the surfabut no more the beneath such owner of minand Sediment Secretary, whenable the sur	ace tract to conc han forty-five d tract that has fil erals underlying Control Manua ich statement sl face owner to o	duct any plat surveys ays prior to such ent ed a declaration purs g such tract in the con all and the statutes and hall include contact in obtain copies from the	rior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days ry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any unty tax records. The notice shall include a statement that copies of the state Erosion d rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to e secretary.
Notice is here	eby provided to	0:	
■ SURFAC	CE OWNER(s)	1	☐ COAL OWNER OR LESSEE
Name: Tammy	Kemnetz	1	Name:
Address: 3908			Address:
Wausau, WI 54403			
Name:			■ MINERAL OWNER(s)
rtduress,			Name: Tammy Kemnetz
Name:			Address: 3908 Riverview Drive
Address:			Wausau, WI 54403
			*please attach additional forms if necessary
	Vest Virginia Co on the tract of la West Virginia Wetzel Proctor		Public Road Access: Brock Ridge
Quadrangie:	vvileyville		Generally used farm name:
may be obtain Charleston, W obtained from	ned from the Sec VV 25304 (304-	cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u>	Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be www.gov/oil-and-gas/pages/default.aspx .
	r: SWN Production		Address: 179 Innovation Drive
Telephone:	304-884-1611		Jane Lew, West Virginia 26378
Email:	micah_feather@s	swn.com	Facsimile: 304-471-2497
Oil and Gas	Privacy Noti	ice:	Office of Oil and Gas

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

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

	Requirement:	Notice shall be prov	rided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to
Date of Noti	ce: 12/23/2015	Date of Plan	nned Entry: 12/30/2015
Delivery me	thod pursuant t	to West Virginia C	ode § 22-6A-10a
☐ PERSO	NAL	REGISTERED	☐ METHOD OF DELIVERY THAT REQUIRES A
SERVIC		MAIL	RECEIPT OR SIGNATURE CONFIRMATION
on to the surf but no more t beneath such owner of min and Sediment Secretary, wh enable the sur	ace tract to condition forty-five distract that has filterals underlying to Control Manuatich statement shrface owner to o	duct any plat surveys ays prior to such en- led a declaration pur g such tract in the co all and the statutes an hall include contact obtain copies from the	Prior to filing a permit application, the operator shall provide notice of planned entry is required pursuant to this article. Such notice shall be provided at least seven days try to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any unty tax records. The notice shall include a statement that copies of the state Erosion drules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to be secretary.
Notice is her	eby provided to	0:	
	CE OWNER(s)		☐ COAL OWNER OR LESSEE
Name: Debra k	Keesee 4 Columbus Street # 12		Name:
Address: 4544 Virginia Beach, VA	4 Columbus Street # 12 A 23462	211	Address:
Address:			■ MINERAL OWNER(s)
			Name: Debra Keesee
Name:			Address: 4544 Columbus Street # 1211
Address:			Virginia Beach, VA 23462
			*please attach additional forms if necessary
a plat survey State: County:	Vest Virginia Co on the tract of la West Virginia Wetzel	and as follows:	
District:			Watershed: Upper Ohio
Quadrangle:	vviieyviiie		Generally used farm name:
may be obtain Charleston, V	ned from the Sec VV 25304 (304-	cretary, at the WV I -926-0450). Copies	Manual and the statutes and rules related to oil and gas exploration and production department of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be a.wv.gov/oil-and-gas/pages/default.aspx.
Notice is he	reby given by	:	
Well Operato			Address: 179 Innovation Drive
Telephone:	304-884-1611		Jane Lew, West Virginia 26378
Email:	micah_feather@s	swn.com	Facsimile: 304-471-2497
			Office of Oil and Gas
Oil and Gas	s Privacy Noti	ice:	wild (395)

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 ENTRY FOR PLAT SURVEY

Delivery method pursuant to West Virginia Code § 22-6A-10a PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL RECEIPT OR SIGNATURE CONFIRMATION	Date of Notic	e: 12/23/2015	Date of Plan	nned Entry: 12/30/2015			
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 filled 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 Erosio 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: Address: Name: Address: Name: Address: Name: Address: Name: By Mineral Holdings II, LLC Address: Name: By Mineral Holdings II, LLC Address: Name: Address: 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 conduce a plat survey on the tract of land as follows: State: Name: Address: Approx. Latitude & Longitude: 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 conduce a plat survey on the tract of land as follows: State: County: West Virginia 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 document	Delivery met	hod pursuant i	to West Virginia C	ode § 22-6A-10a			
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-oof 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 Erosio 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: Address: Approx. Latitude & Longitude: Approx. Latitude & Longitude: Address: Brock Ridge Upper Ohio District: Address: Approx. Latitude & Longitude: Address: Approx. Latitude & Longitude: Address: Brock Ridge Upper Ohio District: Address: Ad							
on to the surface trace 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) SURFACE OWNER(s) Name: Address: Name: Address: Name: Address: Name: Address: Name: Address: Name: Address: Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: Public Road Access: Brooks Ridge Wespolle County: Wetcel Public Road Access: Brooks Ridge Wespolle 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	SERVIC	E	MAIL	RECEIPT OR SIGN	NATURE CONFIR	MATION	
SURFACE OWNER(s) Name: Address: Notice is hereby given: Notice is hereby given: Notice is hereby given: Notice is hereby given: Approx. Latitude & Longitude: Notice is hereby given: Notice is hereby given: Notice is hereby given: Approx. Latitude & Longitude: Notice is hereby given: Notice is hereby given: Address: Brock Ridge Upper Ohio Quadrangle: Wileyville Generally used farm name: 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: SWN Production Company LLC Address: 179 Innovation Drive Jane Lew, West Virginia 26378	on to the surfa- but no more the beneath such to owner of mine and Sediment Secretary, wh	nce tract to cond nan forty-five d tract that has fil erals underlying Control Manua ich statement sl	duct any plat survey, ays prior to such en- ed a declaration pur g such tract in the co all and the statutes an nall include contact	s required pursuant to this are try to: (1) The surface owner suant to section thirty-six, a bunty tax records. The notice of rules related to oil and gas information, including the a	ticle. Such notice s r of such tract; (2) tricle six, chapter to e shall include a state s exploration and p	shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the	
Name:	Notice is here	eby provided to	o:				
Address: Name: MINERAL OWNER(s) Name: BP Mineral Holdings II, LLC Address: MINERAL OWNER(s) Name: BP Mineral Holdings II, LLC Address: MINERAL OWNER(s) Name: BP Mineral Holdings II, LLC Address: Mist Dallas, TX 75225 Mest Dallas, TX 75225 **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: West Virginia Approx. Latitude & Longitude: N) 4.389,255.125 E) 527,518.921 County: Welzel Public Road Access: Brock Ridge District: Proctor Watershed: Upper Ohio Upper	☐ SURFAC	E OWNER(s)		□ COA	L OWNER OR LE	SSEE	
Address: Name: MINERAL OWNER(s) Name: BP Mineral Holdings II, LLC Address: MINERAL OWNER(s) Name: BP Mineral Holdings II, LLC Address: MINERAL OWNER(s) Name: BP Mineral Holdings II, LLC Address: Mist Dallas, TX 75225 Mest Dallas, TX 75225 **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: West Virginia Approx. Latitude & Longitude: N) 4.389,255.125 E) 527,518.921 County: Welzel Public Road Access: Brock Ridge District: Proctor Watershed: Upper Ohio Upper	Name:			Name:			
Name: Address:	Address:			Address:			
Address: MINERAL OWNER(s) Name: Address: B117 Princeton Road, Suite 280	Name:			2			
Name: BP Mineral Holdings II, LLC Address: 8117 Princeton Road, Suite 260 West Dallas, TX 75225 *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: West Virginia Approx. Latitude & Longitude: N) 4,389,255.125 E) 527,518.921 County: Wetzel Public Road Access: Brock Ridge District: Proctor Watershed: Upper Ohio Quadrangle: Wileyville Generally used farm name: 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: SWN Production Company LLC Address: 179 Innovation Drive Jane Lew, West Virginia 26378	Address:			■ MINE	ERAL OWNER(s)		
Motice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows: State: West Virginia Approx. Latitude & Longitude: Public Road Access: Brock Ridge District: Proctor Quadrangle: Wileyville 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: SWN Production Company LLC Address: Jane Lew, West Virginia 26378				Name: BP			
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District: Proctor Watershed: Upper Ohio Quadrangle: Wileyville Generally used farm name: 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: SWN Production Company LLC Address: 179 Innovation Drive Telephone: 304-884-1611 Jane Lew, West Virginia 26378		inches .		Dublia Dand			
Quadrangle: Wileyville Generally used farm name: Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 th 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: SWN Production Company LLC Address: 179 Innovation Drive Telephone: 304-884-1611 Jane Lew, West Virginia 26378		Deserve		Watershade	100033.	Hanns Ohio	
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Telephone: 304-884-1611 Jane Lew, West Virginia 26378	may be obtain Charleston, Wobtained from Notice is her	ed from the Sec V 25304 (304) the Secretary by reby given by	cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u> :	Department of Environmenta of such documents or addit o.wv.gov/oil-and-gas/pages/o	l Protection headqional information r default.aspx.	uarters, located at 601 57th Street, SE,	
P. A. W. Communication			Constant Constant		1112 1112 1112	26378	
The state of the s			swn.com	Facsimile:			
		mican_reamer@:	STATEGUIII	, desimile,	-23 113 2101	75	

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 ENTRY FOR PLAT SURVEY

	Requirement:	Notice shall be prov	ided at least SEVEN (7) da	ays but no more tha	n FORTY-FIVE (45) days prior to
Date of Noti	ce: 12/23/2015	Date of Plan	nned Entry: 12/30/2015		
Delivery me	thod pursuant	to West Virginia C	ode § 22-6A-10a		
☐ PERSO	NAL 🔳	REGISTERED	☐ METHOD OF DE	LIVERY THAT RE	EQUIRES A
SERVIC	CE	MAIL	RECEIPT OR SIG		
on to the surf but no more to beneath such owner of mir and Sedimen Secretary, wh enable the su	ace tract to condition forty-five distract that has file tract that has file erals underlying to Control Manualich statement strace owner to confide the control of the con	duct any plat surveys lays prior to such ent led a declaration pur g such tract in the co al and the statutes an hall include contact in obtain copies from the	s required pursuant to this a rry to: (1) The surface owner suant to section thirty-six, a unty tax records. The notion d rules related to oil and gatinformation, including the a	rticle. Such notice ser of such tract; (2) article six, chapter to shall include a state sexploration and p	r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to
Notice is her	eby provided t	0:			
☐ SURFA	CE OWNER(s)		□ COA	L OWNER OR LE	SSEE
Name:			Name:		
Address:			Address:		
Name:			200	re in on	
Address:			■ MIN	ERAL OWNER(s)	/
			Name: Wa	aco Oil and Gas Co., Inc.	
Name:			Address:	P.O. Box 397	
Address:			Glenville, WV *please attac	26351 ch additional forms if ne	ccessary
a plat survey State: County:	Vest Virginia Co on the tract of la West Virginia Wetzel	and as follows:	Approx. Lati	tude & Longitude:	l operator is planning entry to conduct N) 4,389,255.125 E) 527,518.921 Brock Ridge
District:	Proctor		Watershed:	1.0	Upper Ohio
Quadrangle:	Wileyville		Generally use	ed farm name;	
may be obtain Charleston, V	ned from the Sec VV 25304 (304	cretary, at the WV D -926-0450). Copies	epartment of Environmenta	al Protection headquional information r	il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be
Notice is he	reby given by	71			
	r: SWN Production		Address:	179 Innovation Drive	
Telephone:	304-884-1611			Jane Lew, West Virginia	a 26378
Email:	micah_feather@:	swn.com	Facsimile:	304-471-2497	CEIVER
	VE. STREET			Utilice o	TOlland Gas
Oil and Gas	S Privacy Noti	ice:			witt O

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.

WW-6A3 (1/12)

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

		Requirement:	Notice shall be prov	vided at least SI	EVEN (7) day	ys but no more than	n FORTY-FIVE (45) days prior to
Date		12/23/2015	Date of Pla	nned Entry: 12	/30/2015			
Deli	very meth	od pursuant	to West Virginia C	ode § 22-6A-10)a			
	PERSON SERVICE		REGISTERED MAIL			IVERY THAT RE	•	
on to but r bene owne and a Secre	o the surfa- no more the eath such the er of mine Sediment of retary, whi	ce tract to cond an forty-five d ract that has fil rals underlying Control Manua ch statement sl	ode § 22-6A-10(a), I duct any plat survey lays prior to such en led a declaration put g such tract in the co al and the statutes ar hall include contact obtain copies from the	s required pursi try to: (1) The s rsuant to section ounty tax record nd rules related information, in-	uant to this are surface owner thirty-six, are s. The notice to oil and gas	ticle. Such notice s of such tract; (2) of ticle six, chapter to e shall include a sta exploration and p	shall be provided a to any owner or les wenty-two of this o atement that copies roduction may be o	t least seven days see of coal seams code; and (3) any of the state Erosion obtained from the
Noti	ice is here	by provided t	o:					
	SURFAC	E OWNER(s)	1		☐ COAL	L OWNER OR LE	SSEE	
	ne: Walter R.		,		Name:			
	ress: 135 S			_	Address:			
New N	Martinsville, W	/ 26155		_				
Nam	ne:							
Add	ress:					ERAL OWNER(s)		
 			. .		Name:			
Nam	ne:			_	Address: _			
		· · ·		–	*please attach	n additional forms if ne	cessary	
Purs	uant to W		ode § 22-6A-10(a), 1 and as follows:	notice is hereby	given that the	e undersigned well	l operator is planni	ng entry to conduct
State		West Virginia			• •	ude & Longitude:	N) 4,389,255.125 E) 527	7,518.921
Cou	-	Wetzel			Public Road A	Access:	Brock Ridge	
Dist		Proctor			Watershed:	1.0	Upper Ohio	
Qua	drangle:	Wileyville	_		ienerally used	d farm name:		
may Chai	be obtainerleston, W	ed from the Se V 25304 (304	nd Sediment Contro cretary, at the WV I -926-0450). Copies by visiting <u>www.de</u> p	Department of E s of such docum	Environmental ents or additi	l Protection headqi ional information r	uarters, located at 6	601 57 th Street, SE,
Not	ice is her	eby given by	7:					
	l Operator				Address:	179 Innovation Drive	On Man	
	phone:	304-884-1611	· · · · · · · · · · · · · · · · · · ·			Jane Lew, West Virginia	26378	(Er)
Ema	=	micah_feather@	swn.com		Facsimile:	304-471-2497	$ \sim$ \circ η ε	nd o
	. ~						JAN 2 7 20	୍ଦ୍ର ପ୍ରଥିତ
The	Office of		ocesses your persor				phone number, as p	oart of our regulatory se 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 DFP's Chief Privacy Officer at deportive officer@wv.gov.

01/20/2017

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 Date of Notic	Requirement: Notice shall be provided a	t least TEN (10) days prior to filing a rmit Application Filed:	
Delivery met	thod pursuant to West Virginia Code §	22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVE		QUESTED	
receipt reque drilling a hor of this subsection manager	sted or hand delivery, give the surface own izontal well: <i>Provided</i> , That notice given tion as of the date the notice was provided	ner notice of its intent to enter upon the pursuant to subsection (a), section ted to the surface owner: <i>Provided, how</i> ner. The notice, if required, shall incl	an operator shall, by certified mail return ne surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this ude the name, address, telephone number, or's authorized representative.
	reby provided to the SURFACE OV	VNER(s):	
Name: Constan		Name:	
Address: 807		Address:	
New Martinsville,	WV 26155	¥	
State: County:	wner's land for the purpose of drilling a however were well as	UTM NAD 83 Easting: Northing:	527,516.236 4,389,477.272
District:	Proctor	Public Road Access:	Brock Ridge Road
Quadrangle:	Wileyville	Generally used farm name:	Constance Taylor
Watershed:	Little Fishing Creek		
Pursuant to Y facsimile nur related to hor	nber and electronic mail address of the	operator and the operator's authorize e Secretary, at the WV Department o	ress, telephone number, and if available, ed representative. Additional information f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
	reby given by:		
	r: SWN Production Company, LLC	Authorized Representative:	Micah Feather
Address:	PO Box 1300, 179 Innovation Drive	Address:	PO Box 1300, 179 Innovation Drive
	Jane Lew, WV 26378		Jane Lew, WV 26378
Telephone:	304-884-1611	Telephone:	304-884-1611
Email:	Micah_Feather@swn.com	Email:	Micah_Feather@swn.com
Facsimile:		Facsimile:	Oiling of par
Oil and Car	s Privacy Notice:		Cilinate of Cili and Gas

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 ental Protection

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A5 (1/12)

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

Notice Date of	Time R Notice	equirement: notice shall be prov		o later than the filing pplication Filed:	date of permit	application.
Deliver	y meth	od pursuant to West Virginia C	ode §	22-6A-16(c)		
■ C	EDTIEI	ED MAIL	П	HAND		
		N RECEIPT REQUESTED		DELIVERY		
K	EIUKI	RECEIPT REQUESTED		DELIVERT		
return re the plan required drilling damage	eceipt re nned op d to be p of a ho s to the notices	equested or hand delivery, give the eration. The notice required by provided by subsection (b), section rizontal well; and (3) A propose surface affected by oil and gas of	this so this so the ten o ed surfa peration	ace owner whose land ubsection shall inclu if this article to a surf ace use and compen- ins to the extent the da	d will be used for de: (1) A copy ace owner whos sation agreement amages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter. Sted in the records of the sheriff at the time
Notice i	is herel	by provided to the SURFACE C	WNE	R(s)		
		listed in the records of the sheriff				
Name:				and the second s		
Address	s: 807 Joh	inson St.		Addres		
New Mart	tisnville, W	/ 26155	-	_		
State: County:		the surface owner's land for the purpos West Virginia Wetzel		UTM NAD 8	Easting: Northing:	527,516,236 4,389,477.272
District	-	Proctor	-	Public Road		Brock Ridge Road
Quadra		Willeyville		Generally us	ed farm name:	Constance Taylor
Watersh	ied:	ittle Fishing Creek				
Pursuan to be p horizon surface informa	nt to We rovided tal well affected ation rel arters, I	by W. Va. Code § 22-6A-10(b); and (3) A proposed surface used by oil and gas operations to the ated to horizontal drilling may be located at 601 57th Street, SE,	to a sand contains and contains	surface owner whose ompensation agreement the damages are coined from the Secre-	e land will be unt containing arompensable und tary, at the WV	code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the ler article six-b of this chapter, Additional Department of Environmental Protection or by visiting

Environmental Protection

Supplier Name	Product Name	Product Use	Chemical Name	7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -
			Ethanol	000064-17-5
NALCO	EC6110A	Biocide	Glutaraldehyde (Pentanediol)	000111-30-8
ONESOURCE			Quaternary Ammonium Compounds	N/A-063
	EC6629A	Biocide	No Hazardous Components	NONE
	WBK-133 OXIDIZER	Breaker	Ammonium Persulfate	007727-54-0
			Ammonium Persulfate	007727-54-0
	WBK-134	Breaker	Ethanol Glutaraldehyde (Pentanediol) Quaternary Ammonium Compounds No Hazardous Components Ammonium Persulfate Ammonium Persulfate Crystalline Silica (Quartz Sand, Silicon Dioxide) Proprietary Non Hazardous Salt	-
	W(00 004) 0	Olav Otabiliaas		000064-17-5 000111-30-8 um N/A-063 nonents NONE te 007727-54-0 te 007727-54-0 te 007727-54-0 nonents NONE vardous N/A-229 007732-18-5 ponents NONE 064742-47-8 te 000584-08-7 le 001310-58-3 ponents NONE 064742-47-8 007732-18-5 000107-21-7 010043-35-3 000141-43-5 111-30-8 67-48-1 7727-54-0 7727-54-0 m), 64742-47-8 Proprietary
	WCS-631LC	Clay Stabilizer	Water	
	WFR-55LA	Friction Reducer	Ethanol 000064-17-55	
	WGA-15L	Gel		
WEATHERFORD	÷			taraldehyde ntanediol) aternary Ammonium npounds N/A-063 NONE monium Persulfate 007727-54- monium Persulfate 007732-18- monium Distiliate 0064742-47- more aternated Light 000584-08- massium Carbonate 000584-08- massium Hydroxide 001310-58- monium Distiliate 064742-47- more aternated Light 007732-18- monium 000107-21- monium 000107-21- monium 000141-43 manolamine 000141-43 manolamine 000141-43 manolamine 000141-43 manonium 000141-43
	WPB-584-L	Buffer	Ethanol	001310-58-3
	WXL-101LE	Corsslinker		
	WXL-101LM	Crosslinker		064742-47-8
	N. S. TROPE STATE OF		Ethanol 000064-17-5 Cide Glutaraldehyde (Pentanediol) Quaternary Ammonium Compounds No Hazardous Components NONE Caker Ammonium Persulfate 007727-54-0 Caker Ammonium Persulfate 007727-54-0 Caker Ammonium Persulfate 007727-54-0 Caker Crystalline Silica (Quartz Sand, Silicon Dioxide) Proprietary Non Hazardous N/A-229 Stabilizer Ction No Hazardous Components NONE Cition No Hazardous Components NONE Cale Petroleum Distillate Hydrotreated Light Potassium Carbonate 000584-08-1 Cition No Hazardous Components NONE Cition Petroleum Distillate Hydrotreated Light No Hazardous Components NONE Cition Potassium Hydroxide 001310-58-1 Cition Silinker Potassium Carbonate 000732-18-1 Cition Petroleum Distillate Hydrotreated Light Water 007732-18-1 Cition Code Clutaraldehyde 111-30-8 Cition Cholinium Chloride 111-30-8 Cition Cholinium Chloride 111-30-8 Cition Cholinium Chloride 1727-54-0 Diammonium Peroxidisulphate Proprietany	
			Ethanol 000064-17-56	
	WXL-105L	Crosslinker	Boric Acid	010043-35-3
			Ethanolamine	N/A-063 NONE 007727-54-0 007727-54-0 014808-60-7 N/A-229 007732-18-5 NONE 064742-47-8 000584-08-7 001310-58-3 NONE 064742-47-8 007732-18-5 000107-21-1 010043-35-3 000141-43-5 111-30-8
	B244 Green-Cide 25G	Biocide	Glutaraldehyde	111-30-8
	L071 Temporary Clay Stabilizer	Clay Stabilizer	Ethanol Glutaraldehyde (Pentanediol) Quaternary Ammonium Compounds Biocide Breaker Ammonium Persulfate Ammonium Persulfate Crystalline Silica (Quartz Sand, Silicon Dioxide) Proprietary Non Hazardous Salt Water Friction Reducer Gel Petroleum Distillate Hydrotreated Light Potassium Hydroxide Potassium Hydroxide Petroleum Distillate Hydrotreated Light Vater Forsslinker Petroleum Distillate Hydrotreated Light Potassium Hydroxide Buffer Breaker Glutaraldehyde Ethylene Glycol Boric Acid Ethanolamine Biocide Glutaraldehyde Cholinium Chloride Breaker Diammonium Peroxidisulphate Diammonium Peroxidisulphate Diammonium Peroxidisulphate Diammonium Peroxidisulphate Diatillates (petroleum), Hydrotreated light Aliphatic Alcohol Glycol Ether	67-48-1
	Breaker J218	Biocide Ethanol Glutaraldehyde (Pentanediol) Quaternary Ammonium Compounds A Biocide No Hazardous Components A Breaker Ammonium Persulfate Breaker Crystalline Silica (Quartz Sand, Silicon Dioxide) Proprietary Non Hazardous Salt Water A Friction Reducer Buffer Potassium Carbonate Potassium Hydroxide Crosslinker Petroleum Distillate Hydrotreated Light Potassium Carbonate Potassium Hydroxide Crosslinker Petroleum Distillate Hydrotreated Light Potassium Graphonents Ethylene Glycol Boric Acid Ethanolamine Glutaraldehyde Crosslinker Cholinium Chloride Breaker Diammonium Peroxidisulphate Diammonium Peroxidisulphate Diammonium Peroxidisulphate Distillates (petroleum), Hydrotreated light Aliphatic Alcohol Glycol Ether Ammonium Sulfate	7727-54-0	
SCHLUMBERGER	EB-Clean* J475 Breaker	Breaker	Diammonium	7727-54-0
	Friction Reducer B315	A PROPERTY OF THE PARTY OF THE	Distillates (petroleum), Hydrotreated light Aliphatic	The same of the sa
	Friction Reducer J609	Noducci	Ammonium Sulfate	7783-20-2

RECEIVED
Office of Oil and Gas

JAN 2 7 2016

WV Department of Environmental Protection

Supplier Name	Product Name	Product Use	Chemical Name	CAS Number
			Didecyl Dimethyl	007173-51-1
			Ethanol	000064-17-5
	ALPHA 1427	Biocide	Glutaraldehyde (Pentanediol)	000111-30-8
			Quaternary Ammonium	068424-85-1
			Water	007732-18-5
	BF-7L	Buffer	Potassium Carbonate	007173-51-1 000064-17-5 000111-30-8 068424-85-1 007732-18-5 000584-08-7 000067-48-1 007732-18-5 ts NONE ts NONE 064742-47-8 N/A-014 N/A-021 000111-46-6 000107-21-7 010043-35-3 000067-56-7 007727-54-6 000064-19-1 0ts NONE
		Biocide Didecyl Dimethyl Ammonium Chloride Ethanol Glutaraldehyde (Pentanediol) Quaternary Ammonium Compound Water Potassium Carbonate	000067-48-1	
	ClayCare	Clay Stabilizer	Water	007173-51-1 000064-17-5 0000111-30-8 007732-18-5 000067-48-1 007732-18-5 007732-18-5 007732-18-5 007732-18-5 007732-18-5 007732-18-6 007732-18-7 007732-18-6 007732-18-7 007732-18-7 007732-18-7 007732-18-7 007732-18-7 007732-18-7 007732-18-7 007732-18-7 007732-18-7 007732-18-7 007732-18-7 000067-56-1 000067-56-1 000064-19-7
BAKER HUGHES	Enzyme G-I	Breaker	No Hazardous Components	NONE
	ENZYME G-NE	Breaker	No Hazardous Components	NONE
	FRW-18			064742-47-8
		1,0000		N/A-014
	GW-3LDF	Gel	Polysaccharide Blend	007173-51-1 000064-17-5 000111-30-8 068424-85-1 007732-18-5 000584-08-7 000067-48-1 007732-18-5 NONE NONE NONE 064742-47-8 N/A-014 N/A-021 000111-46-6 000107-21-1 010043-35-3 000067-56-1 007727-54-0 00064-19-7 NONE NONE
			Diethylene Glycol	000111-46-6
	SCALETROL 720	Scale Inhibitor	Ethylene Glycol	000107-21-1
			Boric Acid	010043-35-3
	XLW-32	Crosslinker	Methanol (Methyl Alcohol)	000067-56-1
	APB01 (AMMONIUM PERSUFATE BREAKER)	Breaker	Ammonium Persulfate	007727-54-0
	B05 (LOW PH BUFFER)	Buffer	Acetic acid	000064-19-7
	BXL03 Borate XL Delayed High Temp	Crosslinker	No Hazardous Components	NONE
FRAC TECH SERVICES	FRW-200	A STATE OF THE PARTY OF THE PAR	No Hazardous Components	NONE
SERVICES	HVG01 (TURQUOISE-1 BULK)			064742-47-1
	KCLS-4	Clay Stabilizer	No Hazardous Components	NONE
	LTB-1	Breaker	Ammonium Persulfate	N/A

RECEIVED Office of Oil and Gas

JAN 2 7 2016

WV Department of Environmental Protection

Supplier Name	Product Name	Product Use	Chemical Name	CAS Number
	Water Gelling Agent J580	Gel	Carbohydrate Polymer F	
	Scale Inhibitor B317	Scale Inhibitor	Trisodium ortho phosphate Ethane-1, 2-diol	7601-54-9 107-21-1
	Borate Crosslinker J532	Olialian	Aliphatic polyol Sodium tetraborate decahydrate	Proprietary 1303- 96-4
	Crosslinker J610	Crosslinker	Aliphatic polyol Potassium hydroxide	Proprietary 1310- 58-3

Office of Oil and Gas

JAN 27 2016

WV Department of Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Paul A. Mattox, Jr., P. E. Secretary of Transportation/Commissioner of Highways

January 28, 2016

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

RECEIVED
Office of Oll and Gas

JAN 28 2015

Subject: DOH Permit for the Constance Taylor Pad, Wetzel County

WV Department of Environmental Protection

Constance Taylor WTZ 5H

Dear Mr. Martin,

Earl Ray Tomblin

Governor

The West Virginia Division of Highways has received an application for Permit for the subject site from Southwestern Energy for access to the State Road for the well site located off of Wetzel County Route 15/1 SLS.

The operator has signed an 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 January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E. Regional Maintenance Engineer

Central Office Oil &Gas Coordinator

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

File



EROSION AND SEDIMENT CONTROL PLAN FOR

NSTANCE TAYLOR WIZ PAD

PROCTOR DISTRICT, WETZEL COUNTY, WEST VIRGINIA

- D CRIMES

 AND FLATFORM CREATIVED OF TO SOU, BROWN, ACCOUNT EROSON CONTRO.

 ON THE PROPERTY OF THE PROPERTY OF



STAKING FLAG LEGEND

TOP OF CUTS

TOP HOLE LOCATION

VERTICAL CUT & FEL AT PAD/POND/PHT CORNER OR COCE (PINK & BLACK STRIPE)

VERTICAL DUT & PILL AT CENTERLINE OF EDGE OF ACCESS DRIVE (DRANCE & BLACK STREET)

TOPSOL STOCKHE! LOCATIONS (ORANGE & WHITE STREE) CENTRUNE OF DITCH &

CULVERT CROSSAG

LIMITS OF DISTURBANCE

PAD B 1 ACRES ROAD 10.6 ACRES	
TOTAL 18 / ACRES	
PER LAND DWNEN	ADPES
BLAKE BRENT PAIR, ETAL DICKE, MALTER R. JR.	01 2.5 0.5

SOILS CLASSIFICATION

GUE GUPIN PEABOOY COMPLEX 15 TO 25% SIZES GOF GUPN PEABODY COMPLEX 35 TO 705 SUPPLY

CUT & FILL

	PAD SIE	DRIVE	SCIL	
CUT (SOL)	+44,107 CY	+ 9.438 CY	+53.545 CV	
10% COMPACTION (50(1)			
	- 4,411 CY	- 944 CY	- 0.350 CY	
CUT (ROOK)	. 7,697 CY	+ 5.01	+ 7,702 CV	
15% SWELL (ROCK)	+ 1,155 CY	. 1 CY	+ 1,156 CY	
ELL	-34,815 CY	-12.136 CY	- 45.553 CY	
NET	+13,733 CY	- 3,530 CY	- 10,095 CY	
STONE	+ 4,150 CY	+ 2,934 CT	- 7,084 CY	
TOPSOL	+ 2,390 CY	+ 1,703 CY	+ 4.003 CF	

2015.
THE LOPIGL DEPTH FOR THE ACCESS BINK IS 0.5" (STA. 0+00 TO STA-0) AND 8" (STA-00 TO STA-00). THE COPIGL DEPTH FOR THE STANDARD ACCESS BINK ACCESS ONLY IT SHALL BE THE ACCESS ON A STANDARD ACCESS ONLY IT SHALL BE THE ACCESS ON A STANDARD ACCESS ON A STANDA

WEST VIRGINIA 31

CALL BEFORE Dial 811 or YOU DIG!

800.245.4848

DATE 03/04/2015 TOXET # 1305308655

LIST OF DRAWINGS

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37 OF 37	DETAILS

WELL PAD DUT (EXCLUDES TOPSOL)	M.NET	CV.
OF KEY EXCAVATION	11.030	CA
MILL PAD FLL (EXCLIDES TOPSON)	34,815	(7
WELL PAD TOPSOL STRIPPING	2,390	CA
MOLL PAD FINISH CRADING	15,521	55
PLACEMENT TOPSOL	1,886	C9
GEOTEXTILE	10,547	57
BASE ROCK: R3S 12" (ROCK PROVIDED BY DUMBRY) PLACEMENT COST	A.218	TON
TWISH GRADE CRUSHER RUN 4" (ROCK PROVIDED ITY QUARRY) PLACEMENT COST	2.344	TON
24" BERWS	1,261	LF.
ACCESS ROAD D	ATA	_
DESCRIPTION	ESTMATED QUANTITY	UNITS
ACCESS HOAD CUT (EXCLUDES TOPSOL)	9.430	CA
ACCESS HOAD FILE (EXCLUDES TOPSOL)	12.138	CY
TOE KEY EXCAVATION	5.570	CY
ACCESS ROAD YOPSON, STRIPPING	1,701	67
ACCESS HOAD FINISH GRADING	13.914	51
PLACEMENT OF TOPSOIL	1.546	CY
GEOTEXTILE.	8.601	5Y
BASE ROCK RAS 12" (ROCK PROVIDED BY		
DUARRY) PLACEMENT COST	2,688	TON
FINSH CRADE CRUSHER RUN 4" (ROCK PROVIDED BY QUARRY) PLACEMENT COST	1,493	TON
BASE ROCK AASHTO WET 4" (ROCK PROVIDED BY QUARRY)PLACEMENT COST	354	TON
THESH CHADE CRUSHER BUN 15" (ROCK PROVIDED BY QUARRY) PLACIMENT COST	560	JON
RASE ROCK, R-3'S 8" (ROCK PROVIDED BY DIAMEY) PLACEMENT COST	555	TON
SUPERPAIR HALA BASE 4.5" FIRE 25	520	tries
SUPERPAYE HAS BASE 15" TYPE 85	173	TON
AR DROCE	1 2	1.4
BASE ROCK: R-5'S (ACCESS DRIVE STONE TRONCH)		ton
II' DIAMETER CROSS PRE	27	14
11" DAMETER OROSS PAR	54	LF.
IE DIAMETER CROSS PAR	35	
		F.F.
ROADSCE UNDERDRAIN	370	Th.
CALVERT OUTLET/ROOK APRON SLAW		EA
CLEWRIT DUTEST/ROOK APPEN SLAP ROOK R-55	3	TON
CLEWINT OUTERT/ROCK APRON SLAP ROCK SEC TEXTLE	15	41
HOADSICE CHANNES	1.101	LF.
FOADSIDE CHANNEL FOCK R-55		tow
EROSION & SEDIMENT CON	ATROL LIFMS	
14" SUPER SLT PENCE	5.592	AF.
PLTIR 500X (12*)	3.517	16
PLITTIN SOCK (18")	526	w
FLTER SOCK (24")	490	
		U
TETTR SOCK (52°)	1,009	U
CHANNEL MATTING (NAG F500)	486	31
CHANNEL MATTING (NAG SCZSO)	792	51
FOOK FILTER DAM	3	£a.
LEVEL SPHEADER	3	EA
RATE CONTROL		
	1	1,5
CONSTRUCTION ENTHANCE	1	1.5
CONSTRUCTION FENCE	105	U.
MOBILIZATION.	- 1	12
THENON SAFETY PLAN & PROTECTION SEEDING/MULCHING	ITEMS	1.5
STEONG, UME, & FERTILIZER	85	ACRES
MANUFACTURE OF PERSONS	8.5	ACRES

TOUR SUPPLIES COLLAR

CLEARING AND CRUBBING ITEM

CLEARING AND CRUBBING ITEM

ENGINEER'S ESTIMATE OF QUANTITIES

MELL SITE PAG DATA



5	•	-	HALL
	P80 P	PG0 81	PATRON NO.
PCO	MEB OF	MEB BY	SURV CHET

MN PRODUCTION CO., LLC PO BOX 1300 JANE LEW, WV 26378 (832) 755-1510

E TAYLOR PAD CONSTANCE WTZ I

DATE: 02/10/2016 DWG. NO. 087569006

