

west virginia department of environmental protection

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

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

Friday, December 10, 2021
WELL WORK PLUGGING PERMIT
Horizontal Plugging

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359 SPRING, TX 773914954

Re: Permit approval for 832255 HEARTWOOD FORESTLAND FUND 47-085-09891-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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.

Operator's Well Number: 832255 HEARTWOOD FORES

Farm Name: HEARTWOOD FORESTLAND

U.S. WELL NUMBER: 47-085-09891-00-00

Horizontal Plugging Date Issued: 12/10/2021

PERMIT CONDITIONS

West Virginia Code § 22-6-11 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. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B Rev. 2/01

1) Date	115/21	,	20 21	
2) Operato	or's			
Well No	. Heartwo	od Forestlan	d Fund 3	
3) API Wel	ll No.	47 - 003	- 03631	

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

	APPLICATION FOR A PERM	IIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas x/ Liquid (If "Gas, Production x or Und	erground storage) Deep/ Shallow
5)	Location: Elevation 907'	Watershed Indian Creek
	District Murphy	County Ritchie Quadrangle Harrisville
6)	Well Operator SWN Production Company, LLC	7) Designated Agent Brittany Woody
07	Address 1300 Fort Pierpont Dr., Suite 201	Address 1300 Fort Pierpont Dr., Suite 20
	Morgantown, WV 26508	Morgantown, WV 26508
8)	Oil and Gas Inspector to be notified	9) Plugging Contractor
	Name Doug Newlon	Name NA
	Address Inspector Supervisor	Address
10)	Work Order: The work order for the mann	ner of plugging this well is as follows:

See Attachment for 51/2" PRODUCTION CASING

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Office of Oil and Gas

NOV 19 2021

WV Department of Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Bough Newton Date 1/-12-202/



51/2" PRODUCTION CASING

Well Info:

Well Name – Heartwood Forestland Fund 3 API – 47-085-09891 Location – 39.12939, -81.10222 Elevation – 907 ft

Well Casing Record -

Casing Size	Casing Depth	Cement Data
20" conductor	100 ft	Unknown
13-3/8" surface	339 ft	Type 1, 1.26 ft³/sack 64 bbls pumped (285 sacks) (20 bbls returned to surface)
9-5/8" intermediate	2311 ft	Type 1, 1.19 ft³/sack 185 bbls pumped (868 sacks) (45 bbls returned to surface)
5-1/2" -intermediate2	6114 ft	Class H, 1.18 ft³/sack 147 bbls pumped (701 sacks) (TOC@4480' per CBL)

Perforations -

• 5945' - 5947'

Purpose:

Provide a procedure for safely and effectively plugging & abandoning a well.

Scope:

This procedure pertains to all SWN Production Company, LLC (SWN) personnel and third parties involved in or near the following procedure on a SWN location in the SW Appalachia Division.

HSE:

- Must wear 4-Gas Monitor at all times, powered on, and calibrated up to date
- Complete JSEA, LOTO, and Hot Work documents as needed
- Follow proper PPE requirements per "2015 HSE Handbook". Verify pressure control equipment integrity
- · Always express STOP work authority if deemed necessary
- Hold pre-job safety meeting

Responsibilities:

Production Engineer(s) – Responsible for providing a working procedure specified for the well that the work is being performed on. Responsible for coordinating work and seeing that it is finished in a timely manner.



51/2 PRODUCTION CASING

Procedure for Setting Downhole Plug:

- 1. Verify all HSE requirements are understood and followed.
- 2. Verify proper documentation is included in working procedure.
- 3. Check for pressure on 5-1/2" casing and bleed off as necessary.
- 4. NU to outer casing valve to fill the hole with produced water and continue to monitor and keep the hole full of fluid as work progresses.
- 5. ND 2-1/16" gate valve and tubinghead adaptor flange.
- 6. MIRU plugging rig with JU head and 7-1/16" frac valve. Remove BPV and pull tubing hanger.
- 7. Perf Plug: TIH work string to 5977 ft, tag CIBP and pick up work string 2 ft. Pump tubing capacity, pump 32 bbls of 6% gel, spot cement plug from 5977 ft 5727 ft (28 sacks Class A, with added celloflake at 1/4 lb/sk). TOOH work string to 4000 ft, WOC and flush tubing to ensure cement is clear of pipe.
- 8. Check TOC @ 5727 ft, reset plug if needed, if not then TOOH work string.
- 9. Check for pressure on 9-5/8" casing and bleed off as necessary.
- 10. Find free point on 5-1/2" casing and cut/shoot casing (previous operator ran CBL and picked TOC @ 4480'). POOH 5-1/2" casing.
- 11. Casing cut plug1: TIH work string to 4530 ft (or 50 ft below casing cut depth), pump 129 bbls of 6% gel, then spot cement plug from 4530 ft 4225 ft (115 sacks Class A). TOOH work string to 2500 ft, WOC and flush tubing to ensure cement is clear of pipe.
- 12. Check TOC @ 4225 ft, reset plug if needed, if not then TOOH work string to 2775 ft.
- 13. Casing cut plug2: At 2775 ft, pump 95 bbls of 6% gel, then spot cement plug from 2775 ft 2211 ft (235 sacks Class A). TOOH work string to 500 ft, WOC and flush tubing to ensure cement is clear of pipe.
- 14. Check TOC @ 2211 ft, reset plug if needed, if not then TOOH work string to 960 ft.
- 15. Elevation plug: At 960 ft, pump 42 bbls of 6% gel, then spot cement plug from 960 ft 695 ft (97 sacks Class A).
- 16. Surface plug: TOOH work string to 150 ft, spot cement plug from 150 ft surface (56 sacks Class A).
- 17. TOOH work string, top off well with cement, set monument per WVDEP. Cellar will be filled.
- 18. RDMO equipment, dispose of circulated fluids properly, reclaim per WVDEP.

IN STEAD OF 51/2" PRODUCTION CASING, NOTIFY THE



7" PRODUCTION CASING

P&A

Well Info:

Well Name – Heartwood Forestland Fund 3 API – 47-085-09891 Location – 39.12939, -81.10222 Elevation – 907 ft

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9-5/8" intermediate	2311 ft	Type 1, 1.19 ft ³ /sack 185 bbls pumped (868 sacks) (45 bbls returned to surface)
7" intermediate2	-, 6114 ft	Class H, 1.18 ft ³ /sack 147 bbls pumped (701 sacks) (TOC@4480' per CBL)

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- · Hold pre-job safety meeting

Responsibilities:

Production Engineer(s) – Responsible for providing a working procedure specified for the well that the work is being performed on. Responsible for coordinating work and seeing that it is finished in a timely manner.



Procedure for Setting Downhole Plug:

- Verify all HSE requirements are understood and followed.
- 2. Verify proper documentation is included in working procedure.
- 3. Check for pressure on 7" casing and bleed off as necessary.
- 4. NU to outer casing valve to fill the hole with produced water and continue to monitor and keep the hole full of fluid as work progresses.
- 5. ND 2-1/16" gate valve and tubinghead adaptor flange.
- 6. MIRU plugging rig with JU head and 7-1/16" frac valve. Remove BPV and pull tubing hanger.
- 7. Perf Plug: TIH work string to 5977 ft, tag CIBP and pick up work string 2 ft. Pump tubing capacity, pump 53 bbls of 6% gel, spot cement plug from 5977 ft 5727 ft (46 sacks Class A, with added celloflake at 1/4 lb/sk). TOOH work string to 4000 ft, WOC and flush tubing to ensure cement is clear of pipe.
- 8. Check TOC @ 5727 ft, reset plug if needed, if not then TOOH work string.
- 9. Check for pressure on 9-5/8" casing and bleed off as necessary.
- 10. Find free point on 7" casing and cut/shoot casing (previous operator ran CBL and picked TOC @ 4480'). POOH 7" casing.
- 11. Casing cut plug1: TIH work string to 4530 ft (or 50 ft below casing cut depth), pump 129 bbls of 6% gel, then spot cement plug from 4530 ft 4225 ft (119 sacks Class A). TOOH work string to 2500 ft, WOC and flush tubing to ensure cement is clear of pipe.
- 12. Check TOC @ 4225 ft, reset plug if needed, if not then TOOH work string to 2775 ft.
- 13. Casing cut plug2: At 2775 ft, pump 95 bbls of 6% gel, then spot cement plug from 2775 ft 2211 ft (235 sacks Class A). TOOH work string to 500 ft, WOC and flush tubing to ensure cement is clear of pipe.
- 14. Check TOC @ 2211 ft , reset plug if needed, if not then TOOH work string to 960 ft.
- 15. Elevation plug: At 960 ft, pump 42 bbls of 6% gel, then spot cement plug from 960 ft 695 ft (97 sacks Class A).
- 16. Surface plug: TOOH work string to 150 ft, spot cement plug from 150 ft surface (56 sacks Class A).
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NOV 19 2021

WV Department of Environmental Protection

4708509891

WR-35 Rev (9-11)

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

DATE:	11-28-2012	
API#:	47-085-09891	

m name: Heartwood Forestland Fund 3H		No.: 832255				
	Quadrangle: Harrisville					
	County: Ritchie	•				
Deg.	VIII.		•			
					1	
	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.		
	20"	100'	100'	Driven		
	13 3/8"	339'	339'	359 Cu. Ft.		
	9 5/8"	2311'	2311'	1038 Cu. Ft.	968	
	5 1/2"	6114'	6114'	4210 Cu. Ft.		
			-			
		-				
<u>ما</u>	well Der	m will	ems		}	
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Pay : pen fl i flov	zone depth (ft) 5 low Bb v Bb Hours	,945-5,947 	RE	CEN/En		
	matic Pay:	Quadrangle: House Hours Pay zone depth (ft) Hours Ho	County: Ritchie Deg. 10	Quadrangle: Harrisville	Quadrangle: Harrisville County: Ritchie Deg. 10 Min. 00 Sec. Deg. 05 Min. 00 Sec. Sec. Casing & Used in Tubing drilling Up Cu. Ft. Up	

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.

Bbl/d

Bbl/d

Hours



Final open flow _____

Gas: Initial open flow_____MCF/d Oil: Initial open flow____

Static rock Pressure_____psig (surface pressure) after _____ Hours

Time of open flow between initial and final tests_

Final open flow_____MCF/d

WW Department of

Environmental Protection

PERFORATION RECORD ATTACHMENT

Well Number and Name: 832255 Heartwood Forestland Fund 3H

PERFO	RATION REC	ORD	STIMULATION RECORD							
	Interval Pe	rforated				F	luid	Propp	ing Agent	Average
Date	From		Date	Interval	Treated	Туре	Amount	Type	Amount	Injection
2/22/2012	5,945	5,947								
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47085098910

Were core samples taken? Yes X No	Were cuttings caught during drilling? Yes X NoNo
Were Electrical, Mechanical or Geophysical logs recorded on this Triple combo in surface and intermediate section. Quad combo in pilot hole TD section.	well? If yes, please list
NOTE: IN THE AREA BELOW PUT THE FOLLOW FRACTURING OR STIMULATING, PHYSICAL CHANGI DETAILED GEOLOGICAL RECORD OF THE TOPS A COAL ENCOUNTERED BY THE WELLBORE FROM SUI	E, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC AND BOTTOMS OF ALL FORMATIONS, INCLUDING
Perforated Intervals, Fracturing, or Stimulating:	
(See attached)	
Plug Back Details Including Plug Type and Depth(s):	
	
Formations Encountered: Top Dep Surface:	th / Bottom Depth
(See attached)	
	

VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0		692	692
SHALE	692	692	720	720
SS/SHALE	720	720	790	790
LS	790	790	810	810
SS	810	810	1050	1050
SHALE	1050	1050	1110	1110
SS	1110	1110	1170	1170
SHALE	1170	1170	1318	1318
SS	1318	1318	1350	1350
SHALE	1350	1350	1380	1380
SS	1380	1380	1500	1500
SHALE/SS	1500	1500	1738	1738
BIG LIME	1738	1738	1915	1915
BIG INJUN	1915	1915	1961	1961
SHALE/SS	1961	1961	2012	2012
SS	2012	2012	2610	2610
SHALE/SS	2610	2610	2634	2634
SS/SHALE	2634	2634	3840	3840
LS	3840	3840	3870	3870
SS	3870	3870	4920	4920
RHINESTREET	4920	4920	5797	5797
MIDDLESEX	5797	5797	5884	5884
GENESEO	5884	5884	5894	5894
TULLY	5894	5894	5907	5907
MARCELLUS	5907	5907	5961	5961
ONONDAGA	5961	5961	6119	6119
TD	6119	6119		



Select County:	(085) Ritchie	✓ Select datatypes: □ (Check All)	
Enter Permit #:	09891	Location Owner/Completion	Production	Plugging Sample
Get Data	Reset	Pay/Show/Water	Logs	Btm Hole Loc

Table Descriptions County Code Translations Permit-Numbering Series Usage Notes Contact Information Disclaimer WVGES Main "Pipeline-Plus" New

WV Geological & Economic Survey:

Well: County = 85 Permit = 09891

Location Information: View Map

COUNTY PERMIT TAX_DISTRICT QUAD_75 QUAD_15 LAT_DD LON_DD UTME UTMN 4708509891 Ritchie 9891 Murphy Harrisville Harrisville 39,129386 -81,102215 491165,2 4331139,8

Bottom Hole Location Information:

EP FLAG UTME UTMN LON_DD LAT_DD 4708509891 1 As Proposed 490456.9 4332989.3 -81,110436 39,146044

Owner Information:

CMP DT SUFFIX STATUS SURFACE OWNER WELL_NUM CO_NUM LEASE LEASE NUM MINERAL OWN OPERATOR AT COMPLETION PROP_VD PROP_TRGT_FM TFM_EST_PR 4708509891 10/6/2012 Original Loc Completed Heartwood Forestland Fund IV 3H 832255 Heartwood Forestland Fund IV L W Cunningham et al Chesapeake Appalachia, LLC 5917 Marcellus Fm

Completion Information:

DEEPEST_FM DEEPEST_FMT INITIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TVD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF TI_BEF P_AFT TI_AFT BH_P_BEI CMP DT SPUD DT ELEV DATUM 4708509891 10/6/2012 9/12/2011 907 Ground Level Mahone(Smthvle) Onondaga Ls Marcellus Fm Development Well Development Well Gas Rotary unknown 6119 6119 Comment: 10/6/2012 No open flow data reported. This is a vertical pilot hole.

Pay/Show/Water Information:

CMP_DT ACTIVITY PRODUCT SECTION DEPTH TOP FM TOP DEPTH BOT FM BOT G BEF G AFT O BEF O AFT WATER QNTY 4708509891 10/6/2012 Water 200 Pennsylvanian System Fresh Water Vertical 4708509891 10/6/2012 Pay Gas Vertical 5945 Marcellus Fm 5947 Marcellus Fm

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH TOP	DEPTH_QUALITY	THICKNESS	THICKNESS QUALITY	ELEV	DATUM
4708509891	Dvtd Orgnl Loc	Big Lime	Well Record	1738	Reasonable	177	Reasonable	907	Ground Level
		Big Injun (undiff)	Well Record	1915	Reasonable	46	Reasonable	907	Ground Level
4708509891	Dvtd Orgnl Loc	Rhinestreet Sh	Well Record	4920	Reasonable	877	Reasonable	907	Ground Level
4708509891	Dvtd Orgnl Loc	Middlesex Sh	Well Record	5797	Reasonable	87	Reasonable	907	Ground Level
4708509891	Dvtd Orgnl Loc	Geneseo Sh Mbr	Well Record	5884	Reasonable	10	Reasonable	907	Ground Level
4708509891	Dvtd Orgnl Loc	Tully Ls	Well Record	5894	Reasonable	13	Reasonable	907	Ground Level
4708509891	Dvtd Orgnl Loc	Marcellus Fm	Well Record	5907	Reasonable	54	Reasonable	907	Ground Level
4708509891	Dytd Oranl Loc	Onondaga I s	Well Record	5961	Reasonable			907	Ground Level

Wireline (E-Log) Information:

LOG_TOP_LOG_BOT_DEEPEST_FML_LOGS_AVAIL_SCAN_DIGITIZED_GR_TOP_GR_BOT_D_TOP_D_BOT_N_TOP_N_BOT_I_TOP_LBOT_T_TOP_T_BOT_S_TOP_S_BOT_O_TOP_O_BOT_INCH2_INCH5_REDUCED_KOP_LOGMD_ELEV_KB_ELEV_DF_LOG_MSRD_FRON_35 6107 G,C,D,N,I,* Y N 35 6065 336 6104 336 6104 122 6107 35 342 45 6104 Y Y N 922 907 925 4708509891

Comment: *logs; caliper, tension, PE, density porosity, density correction, laterolog, thermal porosity, formation capture cross-section, slowing down time porosity, audio, diff. temp., spectral gamma.

Downloadable Log Images: We advise you to save the log image file to your PC for viewing. To do so, right-click the .tif image of interest and select the save option. Then you can direct the file to a location of your choice. Please note these images vary in size and some may take several minutes to download, especially if using a 56k or slower dialup connection.

FILENAME 4708509891acdeno.til 4708509891gcilo,tif 4708509891gcio.tif 4708509891gclo,tif 4708509891gcndo,tif 4708509891acto.tif 1708509891go 1,ti

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click here

geologic log types: d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)

e photoelectric adsorption (PE or Pe, etc.)

g gamma ray

i induction (includes dual induction, medium induction, deep induction, etc.) I laterolog

m dipmeter

n neutron (includes neutron porosity, sidewall neutron-SWN, etc.)

o other1

s sonic or velocity

t temperature (includes borehole temperature, BHT, differential temperature, etc.)

z spontaneous potential or potential

mechanical log types:

b cement bond c calipe

o other1

p perforation depth control or perforate

1 other logs may include, but are not limited to, such curves as audio, bit size, CCL-casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL--Nuclear Cement Top Locator, radioactive tracer, tension

There is no Plugging data for this well

There is no Sample data for this well

00 CT 0

Report Time: Tuesday, December 07, 2021 8:59:25 AM

12/10/2021

Form IR-11A

State of West Virginia Office of Oil and Gas

Operator:	Chesnocake			
API Number:	•	- 89891		
Findings:				
	Checked Rigo	deilling 17	2 Hole to	
	Checked R.g. of 1338 to be 336' 285th good circulation	set		
	336' g85*	2200 4 fle	500 gel ales	<u>d</u>
	good circulation	840 12 BBL	PD @ 2100	
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Oil & Gas Inspecto	, -			
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			-	12/10

State of West Virginia Office of Oil and Gas

Operator: Chepeale
Operator:
Findings:
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Tossible Cement 95/8 Sunday/ evering
Location Stable in good Shape bleur
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W-Guasana and and and and and and and and and
and M
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Oil & Gas Inspector
92-16-11 REPORT 3 2011 OF THE
Date Office SEP 2. STRICTURECT
Oil & Gas Inspector Office of City P. P. 2.3 2011 Date Office of City P. P. 2.3 2011 Office of City P. P. 2.3 2011 Office of City P. P. 2.3 2011 Ethniron mental Protection Limit of the City P. P. 2.3 2011 Limit of the City P. 2.3 2011
My Tiller.
ENVITO
12/10

State of West Virginia
Office of Oil and Gas

Operator:	- Chesupunha 217-085 -	
API Number:	47-085-	09891
Findings:		
	Total to	₩
9	2311 - 5	2608 200 telaher
k	7.5	Tring 368 St 200 # Ge/ahearl 220 cal 4 flohr 075
	10 BBL Edwar	
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Oil & Gas Inspect	tor	SECENED Gas
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State of West Virginia Office of Oil and Gas

Operator:	Cheson	4.	
API Number:	47-08	fe 5-09891	
Findings:			good 8lape
David W.Cowan Oil & Gas Inspect	Jav Cour		Office of Oil Manners of the SEP 29 2011
<u>9+22</u>	oate		Office of Oil 2 2011 Office of Oil 29 2011
			Office or 29 2011 Wy Department of Environmental Protection Environmental Protection

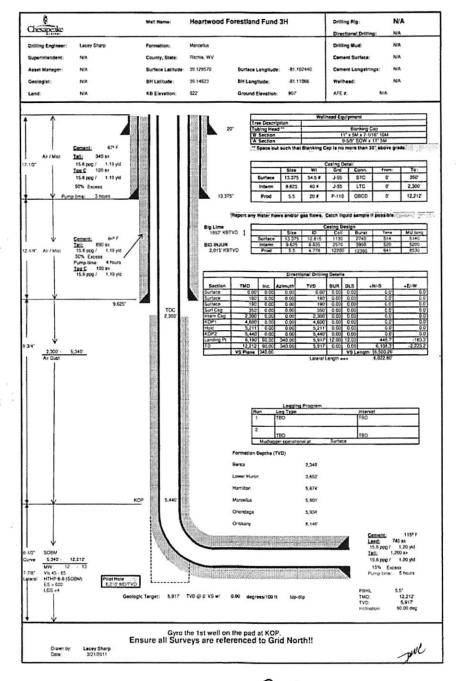
State of West Virginia Office of Oil and Gas

Operator:	Ches epish
API Number:	117-255-00001
Findings:	y drilling Blow Hole getting ready to
	
-	
Oil & Gas Inspector 9-23- Date	PECENTED Cas Office of Oil & Cas Office of Oil & Cas SEP 29 2011 SEP 29 2011 SEP 29 2011 Environmental Protection Environmental Protection

WW - 2B (Rev. 8/10) 85-09891H

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

			TELE WORK L			_	3	393
) Well Operat	Or Chesepe	ake Appala	chia, L.L.C.	4944775		085 Ritchi		risville
				Opera	tor ID	County	District Q	uadrangle
) Operator's V	Vell Numb	er: <u>83225</u>	5		3) Ele	vation: 9	02'	
) Well Type: (a) Oil	or Ga	s XX					
(b) If Gas:	Produ	ction XX / Und	derground Stor	rage_	_	_	
		Deep	<u>xx</u> / s	Shallow	_			
) Proposed Ta	arget Forn	nation(s)	Marcellus	F	ropo	sed Targ	et Depth: 5917	<u>"</u>
) Proposed To) Approximate			MD 12500 Feet	Formation at P	, tobos	ed Total	Depth: Heiderbe	erg
Approximate								
) Approximate	e coal sea	m depths	S: None					
0) Aphroxima	te void de	oths (co	al, Karst, other):	None that we ar	e awar	e of.	•	
	:	•	•					-
1) Does land	contain co	oal seam	s tributary to ac	tive mine? N	0			
2) Describe p	•							
rill down the t	he Helder	berg, cor	e and run logs.	Plug back to th	ne bas	e of the	Marcellus with	cement
mulate and p	roduce un	e iviarcei	us.					
3) TVDE (ספרטורוס		SING AND TU			-D\/A C	OFMENT	
	SPECIFIC	AHONS		FOOTAGE	IINIE	RVALS	CEMENT	
TYPE	۱ ۵۰							 1
	<u>Size</u>	Grade	Weight per ft	For Drilling			Fill -up (Cu. F	 1
Conductor	20"	LS		For Drilling 80'		n Well 30'	CTS	 1
Conductor Fresh Water	† 		Weight per ft 54.5#		8			
Conductor Fresh Water Coal	20"	LS		80'	3	30'	CTS	 -
Conductor Fresh Water Coal	20"	LS J-55	54.5#	80' 350'	3 23	30' 50' 300'	CTS CTS	<u>r)</u>
Conductor Fresh Water	20" 13 3/8" 9 5/8"	LS J-55 J-55	54.5# 40#	80' 350' 2300'	3 23 If Ne	30' 50' 800'	CTS CTS CTS	t.)
Conductor Fresh Water Coal Intermediate	20" 13 3/8" 9 5/8" 7"	LS J-55 J-55 P-110	54.5# 40# 20# 20#	80' 350' 2300' If Needed 12,500'	3 23 If No.	30' 50' 800' eeded	CTS CTS CTS	t.)
Conductor Fresh Water Coal Intermediate Production	20" 13 3/8" 9 5/8" 7" 5 1/2"	LS J-55 J-55 P-110	54.5# 40# 20# 20#	80' 350' 2300' If Needed 12,500'	3 23 If No.	30' 50' 800' eeded	CTS CTS CTS	t.)
Conductor Fresh Water Coal Intermediate Production Tubing Liners Packers:	20" 13 3/8" 9 5/8" 7" 5 1/2" 2 3/8"	LS J-55 J-55 P-110	54.5# 40# 20# 20#	80' 350' 2300' If Needed 12,500'	23 If No. 12,	30' 50' 800' eeded 500'	CTS CTS CTS If needed/as needed	t.)
Conductor Fresh Water Coal Intermediate Production Tubing Liners Packers: K	20" 13 3/8" 9 5/8" 7" 5 1/2" 2 3/8"	LS J-55 J-55 P-110 P-110	54.5# 40# 20# 20# to aprox. 6190'	80' 350' 2300' If Needed 12,500'	3 23 If No 12,	30' 50' 800' eeded 500'	CTS CTS CTS If needed/as needed	t.)
Conductor Fresh Water Coal Intermediate Production Tubing Liners Packers: K	20" 13 3/8" 9 5/8" 7" 5 1/2" 2 3/8"	LS J-55 J-55 P-110 P-110	54.5# 40# 20# 20# to aprox. 6190'	80' 350' 2300' If Needed 12,500'	23 If No. 12,	30' 50' 300' eeded 500'	CTS CTS CTS	t.)
Conductor Fresh Water Coal Intermediate Production Tubing Liners Packers: K	20" 13 3/8" 9 5/8" 7" 5 1/2" 2 3/8"	LS J-55 J-55 P-110 P-110	54.5# 40# 20# 20# to aprox. 6190'	80' 350' 2300' If Needed 12,500'	23 If No. 12,	30' 50' 300' eeded 500'	CTS CTS CTS If needed/as needed	t.)



RECEIVED Gas
Office of Oil & Gas

WAR 24 2011

WAY Decepting Projection
Environmental Projection

47085098918



Well Summary

RECEIVED Office of Oil and Gas

HEARTWOOD FORESTLAND FUND 3

NOV 1 9 2021 Well RC#: 4001157774

		T	1-1-1-1-1-1-1-1-1	TWOOD FC		AND I	OND 3	- 1	(35.0)	# πCπ.	100101 20000 000	
Well API Number 47085098910000		Surface Leg	al Location		Field UNASSI	GNED F	FIELD	Emri	ronn ronn	Epartment contal Prof	t of	
Spud Date 9/12/2011		Rig Release			Well Config HORIZO		pe		otal De		SOURS!	
Original KB Elevation (ft) 922.00	Ground Elevation (ft) 907.00	CF Elev (ft)	TH Ek	ev (ft)	KB Elevatio		KB-Ground I		B-CF		KB-TH (ft)	
Contact Name	•	Contact Nan	ne		Contact Na	ne		C	Contact	Name		
Directions To Well Well Readiness: Tal Gillespie Rd. go on turn right on Rt. 17	Gillespie for 3.4 mi	les and turn	left on location	road. SiteView	: Fron Elle	6 south.	.Follow truck r Rt.50 take Rt.	oute for 10. 16 south an	6 mile	es and turn low truck ro	right on Rt. 1 oute for10.6 m	17 niles and
Wellhead and Chri	stmas Tree System	ns										
Ţ	уре		Make				WP (psi)				Service	
												Transfer for
Wellbores Well	bore Name		Parent 1	Wellbore			Profil	e			Min KO Depth (ftKB)
HEARTWOOD FOR	RESTLAND FUND	ЗН			V	ERTICA	\L					
Casing Strings											4134	
Conductor	Csg Des		6/30/201	n Date	OD (in) 20.0	00	ID (in) 19.124	Wt/Len (lb/ft)		Grade J-55	Set De	100.00
Surface			9/13/2011		13.3		12.615		.50			339.41
Intermediate			9/19/2011		9.6		8.835	40	0.00	J-55		2,311.18
Intermediate 2			10/1/2011		7.0	00	6.184	29	.00	P-110		6,114.00
Cement Surface Casing Ce	mont Cosing 6/1	2/2044 00-0	10									
Cementing Company	ament, casing, or	3/2011 00.0	U									
BJ Services Compa Top Depth (ftKB)	any	Bottom Dep	th (ffKR)		Full Return	,		- 10	Cemen	t Volume Retu	rn (bbl)	
20.0		339.4			Yes				20.0			
Fluid Description type 1 with additive	s, 15.2 ppg	Fluid Type Lead			Amount (sa 285	cks)			Class Type	1		
Intermediate Casin	ng Cement, Casing	, 9/19/2011	00:00	March Mary								
Cementing Company BJ Services Compa	any											
Top Depth (ftKB) 20.0		2,311.2	th (ftKB)		Full Return? No				Cement Volume Return (bbl) 45.0			
Fluid Description type 1 cement with	additives	Fluid Type LEAD			Amount (sacks) 868				Class Type 1			
Intermediate Casi			11 00:00	Nyterior -	1000				Type			Grant Land
Cementing Company BJ Services Compa												
Top Depth (ftKB) 4,480.0		Bottom Dep 6,114.0	th (ftKB)		Full Return?				Cemen	t Volume Retu	ırn (bbl)	
Fluid Description		Fluid Type			Amount (sacks)				Class			
50/50 Class H + ad	ditives	LEAD			701				Class	s H		
Other In Hole	Des			Top (ftKB)		Btr	m (ftKB)	Ru	n Date		Pull/Mill	Date
Bridge Plug - Perm					5,977.0		5,979.0	2/21/2012				
Back Pressure Valv	/e				5.0		7.0	8/25/2012				
Zones							Alpenier in pro-					
HEARTWOOD FOR	Zone Name RESTLAND FUND	3HA H	EARTWOOD F	Wellbore ORESTLAND F				Top (ftKE		945.0	Btm (ftKE	5,947.0
Perforations		7775E	PER INCHES				Part little					NEW ST
			T (8/7)	D	u(D)					Shot Dens	Dii (B)	0 1811
2/22/2012	Туре		Top (ftKB) 5,945	.0 Btm (fi	5,947.0	HEART	Linked Zo			(shots/ft) 6.0	Phasing (°)	Current Status
					•	FUND	3H A					
Stimulations Sum		reat Company		Frac Crew			Distract Con			Job		
Туре	Sunvi	reat Company		Frac Crew			Stim/Treat Sup	ervisor		300		
Stimulation Stage #	: <intrefno>, <dept< td=""><td>htop>-<dep< td=""><td>othbtm></td><td></td><td></td><td></td><td></td><td>Ton David</td><td>evc:</td><td></td><td>Datter David</td><td>(D)</td></dep<></td></dept<></intrefno>	htop>- <dep< td=""><td>othbtm></td><td></td><td></td><td></td><td></td><td>Ton David</td><td>evc:</td><td></td><td>Datter David</td><td>(D)</td></dep<>	othbtm>					Ton David	evc:		Datter David	(D)
			Zone					Top Depth (пкв)		Bottom Depth (fth	(B)
Pumping Summar Stg Int Interval Type	у	To	Depth (ftKB)		Rotto	m Depth (f	fKR)	-6-2-2-2-1	Clar	an Volume (bbl)	
and the same of th		10	- op.i. (ia to)		Bollo	Deptii (I			Clea	volume (DDI		
Logs												
Date	Тор	(ftKB)	Btm (ftKi	3)		44		Туре		10,10		Cased?

4708509891P



Well Summary

Well RC#: 4001157774 **HEARTWOOD FORESTLAND FUND 3 Tubing Strings** Set Depth (ftKB) Tubing Description Run Date Btm (ftKB) Top (ftKB) Item Des OD (in) ID (in) Wt (lb/ft) Jts Len (ft) **Rod Strings** Set Depth (ftKB) Rod Description Run Date Bottom Depth (ftKB) OD Nominal (in) Weight/Length (lb/ft) Length (ft) Top Depth (ftKB) Item Description Grade Joints **Rod Pumps** Model Serial Number Seat Assy Type Upper Ext Len (ft) Nom Plunger Len (ft) Lwr Ext Len (ft) Pump Bore (in) API Pump Type API Barrel Type API Anchor Type Barrel Length (ft) Plung OD Clr (in) Seating Assembly Description Seat Assy Sz (in) API Barrel Material API Plunger Material Gas Anc OD (in) Gas Anchor Length (ft) Traveling Valve Ball Material Traveling Valve Seat Material Standing Valve Ball Material Standing Valve Seat Material Swabs Total Oil (bbl) Total BSW (bbl) Date Swab Comp Completion/Zone Total Vol (bbl) Jobs Job Subtype Start Date End Date Summary Job Type Retirement Plug & Plug & Abandon planning Abandon 9/12/2011 10/6/2011 Development Drill & Drilling Complete 1/6/2012 8/25/2012 Development Drill & Completion Complete Attachments

Des

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NOV 19 2021

WV Department of Environmental Protection

www.swn.com Page 2/2 Report Brinted: 11/2/2021

WW-4A Revised 6-07

1) Date:				
2) Operator's Well Number	er			
Heartwood Forestland Fund 3				
3) API Well No.: 47 -	085	_	09891	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

,	er(s) to be served:		a) Coal Operator	
(a) Name	State of WV. Department of Commi	rce/Division of Natural Resource		State of WV, Department of Commerce/Division of Natural Resources
Address	324 4th Avenue South		Address	324 4th Avenue South
	Charleston, WV 25305			Charleston, WV 25305
(b) Name				ner(s) with Declaration
Address			Name	
			Address	
(c) Name			Name	
Address			Address	
6) Inspector	Doug Newlon		(c) Coal Less	see with Declaration
Address	Inspector Supervisor		Name	
11001000			Address	
Telephone	(304) 932-8049		_	
10101110110		***************************************		
The reason y However, yo Take notice accompanyin Protection, y the Applicat	that under Chapter 22-6 of ing documents for a permit to with respect to the well at the	nts is that you have rig ny action at all. the West Virginia Cod- to plug and abandon a v ne location described on n mailed by registered	hts regarding the applicate, the undersigned well of well with the Chief of the hattached Application or certified mail or deli	perator proposes to file or has filed this Notice and Application and Office of Oil and Gas, West Virginia Department of Environmental in and depicted on the attached Form WW-6. Copies of this Notice, wered by hand to the person(s) named above (or by publication in
RECEIVE		Well Operator	SWN Production Comp	any, LLC
Office of Oil a	ind Gas	By:	Brittany Woody	D Hanny
NOV 19	20:1	Its:	Senior Regulatory Anal	
NOV LU	2021	Address	1300 Fort Pierpont Dr.,	Suite 201
WV Departm	ent of		Morgantown, WV 2650	8
Environmental F	rotection	Telephone	304-84-1610	
My Commission		by 626	Novem	Notary Public OFFICIAL SEAL Notary Public, State O' st Virginia ELIZABETHA . Y 632 Winery Road Buckhannon, WV 26201 My Commission Expires May 06, 2023
THE OTHER OF OH A	iu Gas processes you	personal miorma	tuon, such as name	, addrese nuch house mention of the control of the

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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier wv.gov.

12/10/2021

SURFACE OWNER WAIVER

Operator's Well Number

Heartwood Forestland Fund 3

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

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Office of Oil and Gas

NOV 19 2021

Wir repertment of

Time Limits and methods for filing comments. The law requires these materials to be served non or before the date the operator files his Application. You have FIVE (5) 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.

<u>Comments must be in writing.</u> Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective:
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the p	planned work described in these materials, and I have no
objection to a permit being issued on those materials.	
FOR EXECUTION BY A NATURAL PERSON	FOR EXECUTION BY A CORPORATION,
ETC.	
	011117 1 1 1 0 110

	Date	Name	SWN Production Company, LLC	
Signature		 Ву	Brittany Woody	
		Its	Senior Regulatory Analyst Date	
			D 10 1	1

WW-4B

API No.	47-085-09891
Farm Name	
Well No.	Heartwood Forestland Fund 3

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

Office of Oil and Gas

W Department of

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described inchesion enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

has examined this proposed plugging	or/ owner/ lessee/ of the coal under this well location g work order. The undersigned has no objection to the work proposed to be well operator has complied with all applicable requirements of the West ulations.
Date:	Brittany Woody Brittany Woody
	Senior Regulatory Analyst

19.7	U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only		
83	For delivery information, visit our website	at www.usps.com*.	
	OFFICIAL	USE	
0 0001 8050	Certified Mail Fee \$ Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) Return Receipt (electronic) Certified Mail Restricted Delivery Adult Signature Restricted Delivery \$ Postage	Postmark Here	
3760			
7020	State of WV, Department of Commerce/DNR 324 4th Avenue South Charleston, WV 25303		

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Office of Oil and Gas

NOV 19 2021

WV Department of Environmental Protection WW-9 (5/16)

API Number 47 - 085 - 09891 Operator's Well No. Heartwood Forestland Fund 3

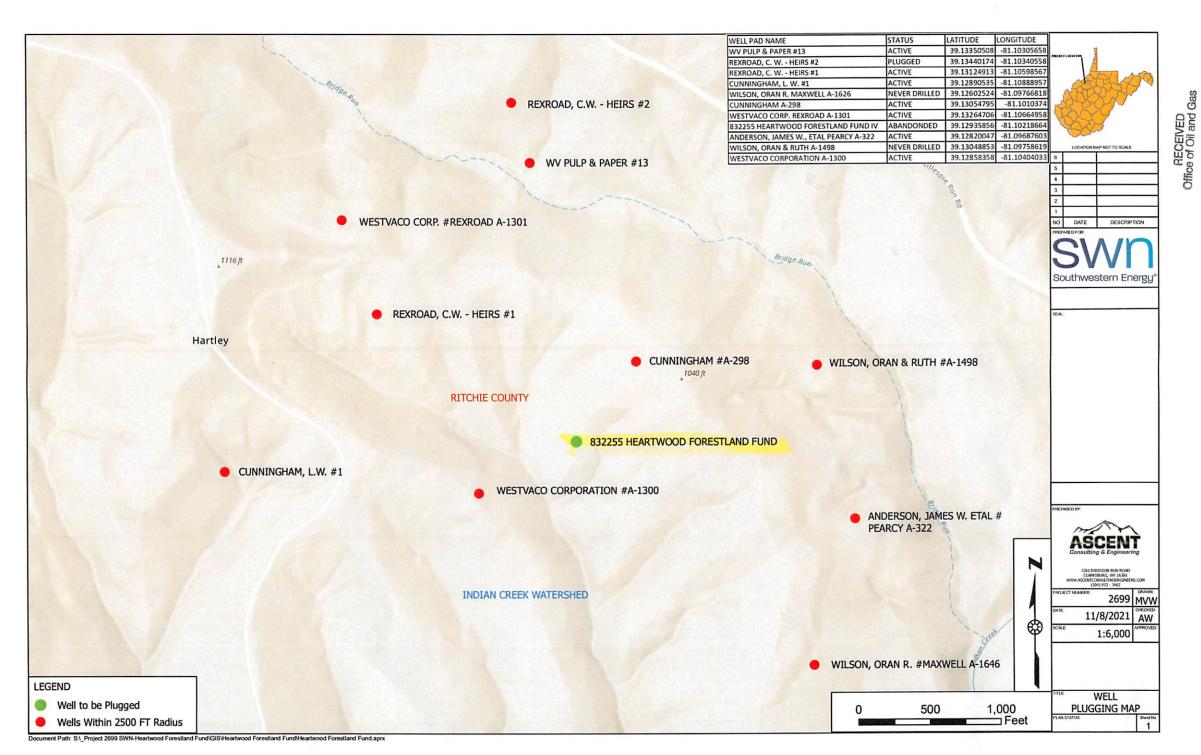
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Company, LLC	OP Code 494494833
	Quadrangle Harrisville
Do you anticipate using more than 5,000 bbls of water to con	uplete the proposed well work? Yes No 🗸
Will a pit be used? Yes No Any well a	effluent will be contained in tanks before disposing off-site
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	No / If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application (if selected prov	ide a completed form WW-9-GPP)
	nit Number_TBD pending selection of plugging contractor)
Reuse (at API NumberOff Site Disposal (Supply form W	/W-9 for disposal location) RECEIVED Office of Oil and Gas
Other (Explain_	and or
	NOV 19 2021
Will closed loop systembe used? If so, describe: N/A	WW Japannen A
Drilling medium anticipated for this well (vertical and horizo	ntal)? Air, freshwater, oil based, etc. N/A
-If oil based, what type? Synthetic, petroleum, etc	N/A
Additives to be used in drilling medium? N/A	
Drill cuttings disposal method? Leave in pit, landfill, remove	ed offsite, etc. N/A
-If left in pit and plan to solidify what medium will	be used? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and West Virginia solid waste facility. The notice shall be provid where it was properly disposed.	d Gas of any load of drill cuttings or associated waste rejected at any ed within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the West V provisions of the permit are enforceable by law. Violations of or regulation can lead to enforcement action. I certify under penalty of law that I have personal application form and all attachments thereto and that, based of	d conditions of the GENERAL WATER POLLUTION PERMIT issued Virginia Department of Environmental Protection. I understand that the fany term or condition of the general permit and/or other applicable law ally examined and am familiar with the information submitted on this on my inquiry of those individuals immediately responsible for o btaining rate, and complete. I am aware that there are significant penalties for or imprisonment.
My commission expires 6 2023	OFFICIAL SEAL Notary Public, State Of St Virginia ELIZABETH A T.Y 632 Winery Road

om WW-9		Operator's Well No		
roposed Revegetation Treatment: Acre	s Disturbed ONE	Preveg etation pH	5.5	
Lime Two Tons	acre or to correct to pH 6			
Fertilizer type 10-20-20				
Fertilizer amount 500	lbs/a	acre		
Mulch_50 Bales 2.5 Tons/a		e	•	
	Seed N	<u>Alxtures</u>		
Temporary		Perman	ent	
Seed Type Ibs/	acre	Seed Type	lbs/acre	
		Orchard Grass	30%	
		Rye (annual @BT)	35%	
		Timothy (Climax)	25%	
	<u></u>	Clover (Med.Red)	10%	
Attach: Aaps(s) of road, location, pit and proporovided). If water from the pit will be lower will be lower with the land approved a section of involved 7.5° top	and applied, provide wate plication area.	on (unless engineered plans includi er volume, include dimensions (L, V	ing this info have been W. D. of RECEIVERS dimen Office of Oll and Gas NOV 19 2021 W. Department of Environmental Protection	
lan Approved by: Dangles	Newfor			
'onments'				
Sead & Mula Bemove Bern	h disturbe	ed areas		
9 a	around	Pad		
HEMOUL BEIN				
Remove Bern				

Title: OI 1 Gas Inspector Supervisor Date: 11-17-2021

Field Reviewed?



NOV 19 2021

WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

_{API:} 47-085-09891	WELL NO.:	3
FARM NAME: Heartwood I		
RESPONSIBLE PARTY NAME:	SWN Production Co	ompany, LLC
COUNTY: Ritchie	DISTRICT: MU	urphy
QUADRANGLE: Harrisville		
SURFACE OWNER: State of WV, D	Department of Commerce/Division	of Natural Resources
ROYALTY OWNER: State of WV, I	Department of Commerce/Division	of Natural Resources
43311	35.92	
UTM GPS NORTHING: 43311 UTM GPS EASTING: 491167	92	907'
UTM GPS EASTING:	GPS ELEVA	HON:
The Responsible Party named above I preparing a new well location plat for above well. The Office of Oil and Gathe following requirements: 1. Datum: NAD 1983, Zone: height above mean sea lev 2. Accuracy to Datum – 3.05 3. Data Collection Method: Survey grade GPS × : Post Pro	a plugging permit or assigned s will not accept GPS coordina 17 North, Coordinate Units: meters.	API number on the ites that do not meet
	ne Differential X	W Department of
Mapping Grade GPS: Post	Processed Differential	Environmental Protection
Real-	-Time Differential	
4. Letter size copy of the to I the undersigned, hereby certify this belief and shows all the information r prescribed by the Office of Oil and G	equired by law and the regulati	y knowledge and
Brittany Noody Signature	Senior Regulatory Analyst Title	Date

11/10/2016

PLUGGING PERMIT CHECKLIST

Dluggi	ing Permit		Office of Oil and Gas			
riuggi	ng remit	NOV	19	2021		
V	WW-4B	WV De Environme	partm ental l	nent of Protectio		
V	WW-4B signed by inspector					
\checkmark	WW-4A					
	SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERE MAIL	D OR CER	ITFIE	D		
V	COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICAT BY REGISTERED OR CERTIFIED MAIL	TON WAS	SENT	Γ		
V	WW-9 PAGE 1 (NOTARIZED)					
\checkmark	WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for	land appli	catio	n		
NA	WW-9 GPP PAGE 1 and 2 if well effluent will be land applied					
V	RECENT MYLAR PLAT OR WW-7					
	WELL RECORDS/COMPLETION REPORT					
V	TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED					
	MUST HAVE VALID BOND IN OPERATOR'S NAME					
MA	CHECK FOR \$100 IF PIT IS USED					



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit (API: 47-085-09891)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Fri, Dec 10, 2021 at 1:18 PM

To: Brittany Woody <Brittany_Woody@swn.com>, liz_gee@swn.com, Douglas Newlon <douglas.c.newlon@wv.gov>, Arlene Mossor <amossor@wvassessor.com>

I have attached a copy of the newly issued well permit numbers:

47-085-09891-832255 - HEARTWOOD FORESTLAND FUND

This will serve as your copy.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments



