

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Tuesday, September 18, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

NNE RESOURCES LLC 707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for 1 47-061-00529-00-00

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.

James A. Martin

Chief

Operator's Well Number: 1

Farm Name: TENNANT, NANCY U.S. WELL NUMBER: 47-061-00529-00-00

Vertical Plugging
Date Issued: 9/18/2018

Promoting a healthy environment.



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. Failure to adhere to the specified permit conditions may result in enforcement action.

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.
- 4. This well is under a consent order and must be plugged under the terms of that agreement.

WW-4B Rev. 2/01

1) Date July 16	,	09/21/2018
2) Operator's		
Well No. Nancy Tennant 1		
3) API Well No. 47-061		- 00529

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

5) Location:	: Elevation 1,093'	Watershed Dunkard Creek	
	District Clay	County Monongalia Quadrangle Blacks	ville
0	rator NNE Resources LLC	7) Designated Agent Hollie M. Medley	
6) Well Open	707 Virginia Street East, Suite 1200		Suite 601
Auc	Charleston, WV 25301	Morgantown, WV 2	
	Gas Inspector to be notified Gayne Knitowski	9) Plugging Contractor Name CONSERV Inc.	Offic
Addres	P.O. Box 108	Address 929 Charleston Road	
	Gormania, WV 26720	Spencer, WV 25276	WV Environ
Perform r Ensure all			
Perform r Ensure all RIH with	necessary earth work to esta necessary E & S controls are ins open ended tubing to detern	ablish access and work area for ri stalled	g
Perform r Ensure all RIH with Attempt to	necessary earth work to estances and earth work to estance and earth work to estance and earth work to determ or remove all casing by pulling	ablish access and work area for ri stalled nine PBTD	g
Perform r Ensure all RIH with Attempt to If casing v	necessary earth work to estances and earth work to estance and earth work to estance and earth work to determ or remove all casing by pulling	ablish access and work area for ristalled nine PBTD a minimum of 150% of casing stripove as much casing as possible	g
Perform r Ensure all RIH with Attempt to If casing v Log well t	necessary earth work to estancessary E & S controls are insopen ended tubing to deternor remove all casing by pulling will not pull out, cut and remove determine casing and coal	ablish access and work area for ristalled nine PBTD a minimum of 150% of casing stripove as much casing as possible	g ng weight
Perform r Ensure all RIH with Attempt to If casing v Log well t	necessary earth work to estancessary E & S controls are insopen ended tubing to deternor remove all casing by pulling will not pull out, cut and remove determine casing and coal	ablish access and work area for ristalled nine PBTD a minimum of 150% of casing stripove as much casing as possible I 100' below coal to set a solid cer	g ng weight
Perform r Ensure all RIH with Attempt to If casing v Log well t Spot expanse Set a solid WOC expanse Top off well	necessary earth work to estancessary E & S controls are insopen ended tubing to determ or remove all casing by pulling will not pull out, cut and remove determine casing and coal andable cement from PBTD to determine to harden to surface with class A cement with monument with API number	ablish access and work area for ristalled nine PBTD a minimum of 150% of casing stripove as much casing as possible I 100' below coal to set a solid cer	g ng weight ment plug

SCOPE OF OPERATION

- 1. Safety is the highest priority. Control costs and avoid unnecessary expenditures.
- 2. Attempt to cut or pull all recoverable casing.
- 3. TIH with 1 1/2" tubing to estimated TD of 2,000'.
- 4. Pump cement and gel plugs per state requirements.
- 5. Bury and plat a well monument with WV State API number to WV STATE COPE.

 NO OFFSET MONKER,

PROCEDURE RUL BOND LOGS ON 5" CASING FIND FREE POINT

- 1) Safety is the number one priority. Well site safety meetings will be held before each major operation
- 2) MIRU construction equipment and remove any tanks, separators, well lines, meter runs, etc.
- 3) MIRU service rig & needed BOP equipment
- 4) TOOH strapping rods and tubing
- 5) TIH strapping tubing to 2,000' TO.
- 6) Pump 20 sks of Class A cement (150' cement plug), displace cement plug
- 7) TOOH with tubing

FREE POINT

- 8) RIH with mechanical ripper or casing cutter to 1,620' and attempt to rip and retrieve 5 3/16" casing.
- 9) TOOH with production casing and tally out
- 10) Attempt to pull 1-1/2 times intermediate casing string weight to establish free point
- 11) If casing integrity is such that substantial pulling is unsafe, contact DEP prior to moving on to Step 12.
- 12) RIH and perforate intermediate casing below free point
- 13) RIH with mechanical ripper or casing cutter to rip intermediate casing above free point and perforations
- 14) TIH with tubing
- 15) Pump cement from 1,650' to above intermediate perforations
- 16) TOOH with tubing
- 17) TOOH with intermediate casing
- 18) RIH with tubing
- 19) Cement to surface

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- 20) -Cut all casing 36 inches below Gt. Install a monument to WV state requirements
- 21) RDMO all service equipment providers and reclaim location to WV State requirements

Well Record Procedure

Northeast Natural Energy LLC researched the proposed well for plug and abandonment using the following information centers:

- •The DEP office at 601 57th Street, Charleston, WV 25304.
- •The DEP online database for Oil and Gas Wells for production and well data.
- •Titlemaps.com for lease information.
- Research well files provided by previous operator

PERSONNEL / PHONE LIST

Production Manager	John Landis	Office: (304) 212-0434 Mobile: (304) 216-6854
Construction Foreman	Mike Shreve	Mobile: (304) 918-3050
Regulatory Manager	Hollie Medley	Office: (304) 212-0422 Mobile: (304) 543-8932
WV State Inspector	Gayne Knitowski	Mobile: (304) 546-8171

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Nancy Tennant 1 Monongalia County, WV API Number: 4706100529 AFE Number: TBD Plugging Procedure

June 27, 2018

Discussion

Approval is requested to perform the initial plugging on the Nancy Tennant 1 Well. The Nancy Tennant 1 is a vertical well located in Monongalia County, WV. The Nancy Tennant 1 was drilled to a depth of approximately 2,000'. Production from this well has been very low for numerous years. The Nancy Tennant 1 is recommended to be plugged and abandoned.

WELL DATA

Location (Surface)	Lat. 39.663' / Long80.161'
TD	2,000′
PBTD	NA
Packer	NA
Marker Joint	NA

The actual TD of this well is unknown, so it has been estimated to be approximately 2,000' based off of the depth of the production casing.

CASING AND TUBULAR DATA

STRING	SIZE	WEIGHT/GRADE	DEPTH	THREAD	тос
Surface	10"	N/A	610'	N/A	N/A
Intermediate	8 1/4"	N/A	825'	N/A	N/A
Production	5 3/16"	N/A	1,942'	N/A	N/A

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CAPACITIES

SIZE	WEIGHT	CAPACITY (GAL/FT.)	CAPACITY (BBL/FT.)
10*"	N/A	4.192	0.0998
8 1/4*"	N/A	2.738	0.0652
6 5/8"	N/A	1.536	0.0365
5 3/16*"	N/A	1.038	0.0247
2 3/8"	4.7#	0.16239	0.00387

SIZE	WEIGHT	CAPACITY (CU FT/FT.)	CAPACITY (BBL/FT.)
10*"	N/A	0.5603	0.0998
8 1/4*"	N/A	0.3659	0.0652
6 5/8"	N/A	0.2052	0.0365
5 3/16*"	N/A	0.1387	0.0247
2 3/8"	4.7#	0.02171	0.00387

^{*} The asterisks represent sizes where estimates were used to produce the capacity data. For the 10'' casing the capacity of a 35.75#/ft 10.3/4'' casing was used. For the 8.1/4'' casing capacities a 20#/ft 8.5/8'' casing was used. For the 5.3/16'' casing capacities a 13#/ft 5.1/2'' casing was used.

WELLHEAD EQUIPMENT

COMPONENT	SIZE & RATING
Manufacturer	N/A
Tubing Spool	N/A
Casing Spool	N/A
Bradenhead	N/A

DRIVING DIRECTIONS

From Morgantown:

Travel on US-19 N to Star City.

Continue on US-19 N for 3-4 miles.

Turn left onto Route 7.

Travel down Route 7 for approximately 10 miles.

Turn left onto Jakes Run Rd/County Hwy-29 and travel for 8-9 miles.

Turn left onto McCurdysville Rd.

The well is located just below the road.

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Select County: (061) Monongalia V Select datatypes: (Check All) Location Production Plugging Enter Permit #: 000529 Stratigraphy Sample ☑ Owner/Completion Get Data Reset Btm Hole Loc Logs Pay/Show/Water

Table Descriptions
County Code Translations
Permit-Numbering Series
Usage Notes Contact Information WGES Main
"Dipoline-Plus" New

WV Geological & Economic Survey:

Well: County = 61 Permit = 000529

Report Time: Tuesday, September 11, 2018 12:43:15 PM

Location Information: View Map

API COUNTY PERMIT TAX_DISTRICT QUAD_75 QUAD_15 LAT_DD LON_DD UTME UTMN 4706100529 Monongalia 529 unknown unknown unknown

There is no Bottom Hole Location data for this well

Owner Information:

API 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 4706100529 -I-I- Original Loc Completed Nancy Tennant 1 Pennzoil Company

Completion Information:

API CMP_DT SPUD_DT ELEV DATUM FIELD DEEPEST_FM DEEPEST_FMT INITIAL_CLASS FINAL_CLASS TYPE

4706100529 -l-l- -l-l- Unnamed Unclassified U CMP_MTHD TVD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_F

There is no Pay data for this well

Production Gas Information: (Volumes in Mcf)

API	PRODUCING OPERATOR	PRD YEAR	ANN GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100529	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Pennzoil Company	1982	0	0	0	0	0	0	0	. 0	0	0	0	0	0
4706100529	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Pennzoil Company	1984	0	0	0	0	0	0	0	0	0	. 0	0	0	0
4706100529	Eddy Mark & Harry	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	1993	24	2	2	2	2	2	2	2	2	2	2	2	2
4706100529	Eddy Mark & Harry	1994	324	27	27	27	27	27	27	27	27	27	27	27	27
4706100529	Eddy Mark & Harry	1998	168	14	14	14	14	14	14	14	14	14	14	14	14
4706100529	Eddy Mark & Harry	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2005	60	0	60	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100529	Pennzoil Company	1981	36	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Pennzoil Company	1982	27	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Pennzoil Company	1983	5	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Pennzoil Company	1984	14	0	0	0	D	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	1994													
4706100529	Eddy Mark & Harry	1998	0	0	0	0	0	0	0	0	0	0	0	0	. 0
4706100529	Eddy Mark & Harry	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2011	0	0	0	0	. 0	0	0	0	0	0	0	0	0
4706100529	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2014	0	0	0	0	D	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2015	0	0	0	0	D	. 0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2016	0												
	NNE Resources, LLC	2017	0												

Production	NGL Information: (Volu	mes in Bbl)	** some	ope	rator	s may	have	е гер	orted	NG	und	er Oi	1		
API	PRODUCING OPERATOR	PRD YEAR	ANN NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100529	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100529	NNE Resources, LLC	2015	. 0	0	0	0	0	0	0	0	0	0	0	0	0
4700100500	NINE Deseumen 110	2010													

Production Water Information: (Volumes in Gallons)

API PRODUCING_OPERATOR PRD_YEAR ANN_WITE JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DCM

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

PI (PERMIT) NUMBER	FARN HAME	OPERATOR'S VELL	NUMBER
7- 061 - 0516	Albert Tennant	1	16195
47-061-0517	Albert Tennant	. 3	96
47-061-0465	J. G. Conaway	2	97
47-061-0475	D. J. Eddy	. 3	45
47-061-0477	D. J. Eddy	6	9 9
47-061-0478	D. J. Eddy	7	11,200
47-061-0479	D. J Eddy	8	11.20
47-061-0480	. D. J. Eddy	9	203
47-061-0482	D. J. Eddy	11	63
47-061-0483	D. J. Eddy	12	4
47-061-0484	D. J. Eddy	13	. 5
47-061-0485	D. J. Eddy	14	
47-061-0486	D. J. Eddy	15	η
47-061-0487	D. J. Eddy	16	ą
47-061-0448	J. S. Walker	2	٩
47-061-0449	J. S. Walker	3	16213
47-061-0450	J. S. Walker	•	, (
47-061-0504	Manne and Eddy	2	12
47-061-0505	Moore and Eddy	;	13
47-061-0506	Hoore and Eddy	5	ાબં
47-061-0507	Moore and Eddy	6	15
47-061-0488	E. W. Eddy	2	16
47-051-9525	Nimrod Tennant	6	17
47-061-0526	Nimrod Tennant	7	14
47-061-0446	Noah Wright		14
47-061-0523	Malinda Tennant	3	<u> </u>
47-061-0522	Erra Tennant	2	2\
47-061-0443	John W. Wright	14	2.~
47-061-0529	Nancy Tennant	1	2.7
47-061-0530	Nancy Tennant	22	أنه
47-061-0531	Nancy Tannant	3	7.5
47-061-0518	Alpha Tennani		٠ ٩,6
47-061-0514	Minnie V. Sturm	1	21

09/21/2018

WW-4A Revised 6-07

1) Date: July 16, 2018				
2) Operator's Well Numb Nancy Tennant 1	oer			
3) API Well No.: 47 -	061	4	00529	

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

well its and the plugging work order; and (2) The plat (surveyor's map) showing the well location on Form WW-6. The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side However, you are not required to take any action at all. Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmenta Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in	Address 103 Corporate Drive, Suite 102 Address		rner(s) to be served:	5) (a) Coal Operator
(b) Name Address (c) Name Address (de) Coal Lessee with Declaration Name Address (de) Coal Lessee Name Address (de) Coal Lessee Name Address	(b) Name Address Address (c) Name Address Address (c) Name Address Address (c) Name Address Address (c) Coal Lessee with Declaration Name Address Address (c) Coal Lessee with Declaration Name Address (d) Coal Lessee with Declaration Name Address (e) Coal Lessee with Declaration Name Address (f) The plaction to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and (g) The plat (surveyor's map) showing the well location on Form WW-4B, The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all. Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Applications and depicted on the statched Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief. **NNE Resources LLC** **Hollie Mediey** **Well Operator Office of Oil and Gas, West Virginia Department of Environmental Well on the statched Form WW-6. Copies of this Notice, the Applications, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief. **Well Operator Office of Oil and Gas, Wes			(A.11
(b) Name Address Name	(b) Name Address Address Murray American Energy Inc.	Address		Address
Address Name Address P.O. Box 108	Address Name Address	(b) Name	Morgantown, WV 26501	(b) Coal Owner(s) with Declaration
Address Address Address Address	(c) Name Address Address Address Address Address Name Address	1.40 (1	-	
(c) Name Address Name Address	(c) Name Address Name Address Name Address	Address	1	
(c) Name Address Gayne Knitowski P.O. Box 108 Gormania, WV 26720 Telephone Address Telephone Name Address FO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents: (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and (2) The plat (surveyor's map) showing the well location on Form WW-6. The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side However, you are not required to take any action at all. Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmenta Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in	(c) Name Address Address		-	
Address Address Address Co Coal Lessee with Declaration Address P.O. Box 108 Gormania, WV 26720 Address Telephone 304.546.8171 TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents: (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and (2) The plat (surveyor's map) showing the well location on Form WW-6. The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side However, you are not required to take any action at all. Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmenta Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in	Address Address	(c) Name		
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Oil and Gas Privacy Notice

My Commission Expires

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

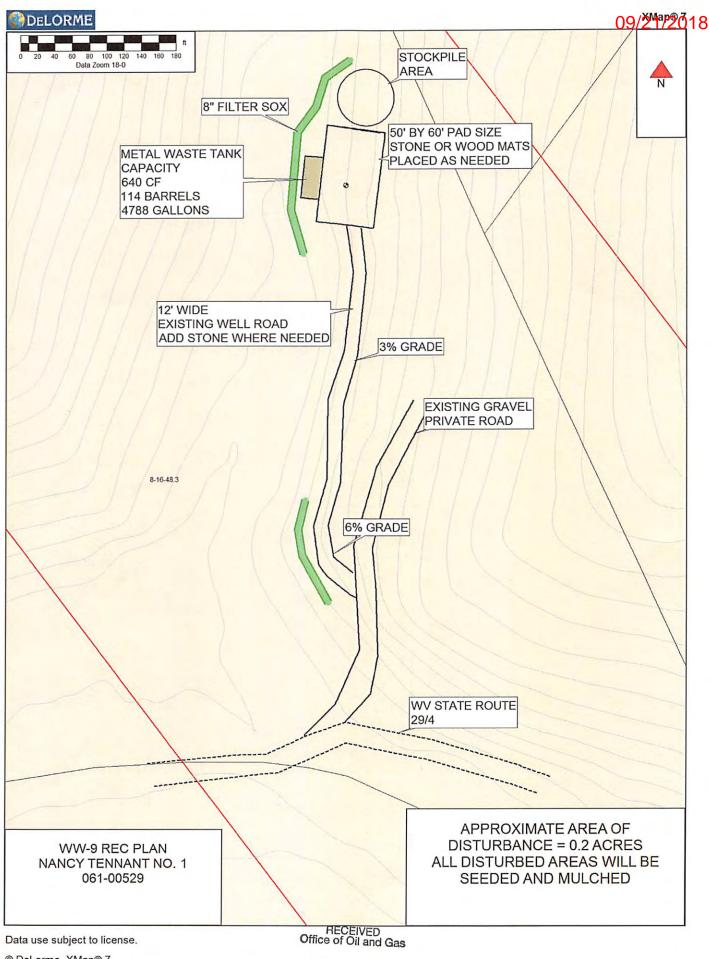
WW-9 (5/16)

API Number 47 - ⁰⁶¹	_ 00529
Operator's Well No.	

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

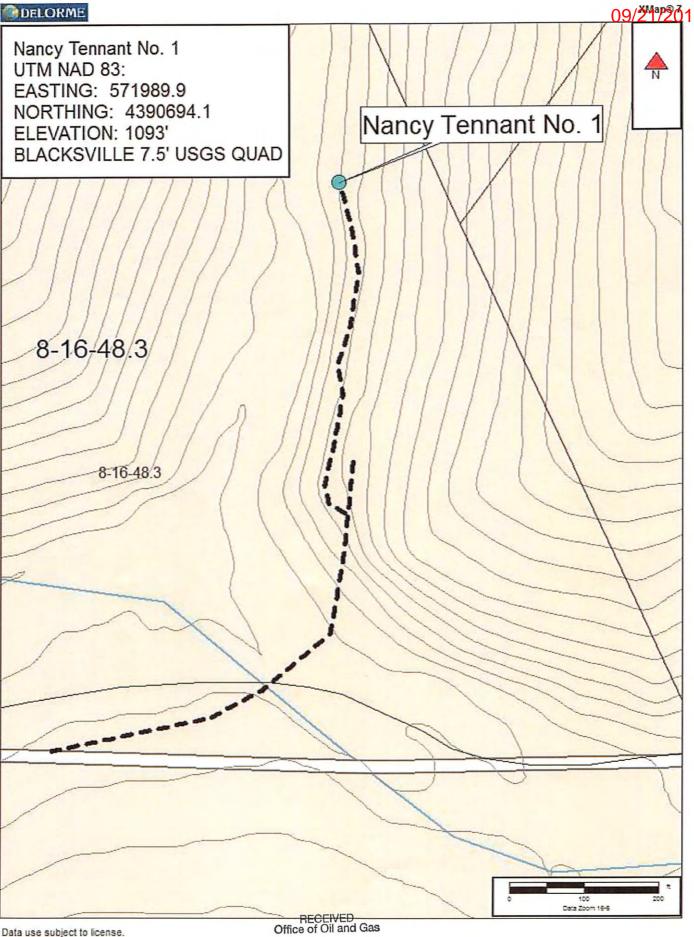
Operator Name NNE Resources LLC	OP Code 494511469
Watershed (HUC 10) Dunkard Creek	Quadrangle Blacksville
Do you anticipate using more than 5,000 bbl Will a pit be used? Yes No	of water to complete the proposed well work? Yes No
If so, please describe anticipated pit	
Will a synthetic liner be used in the	oit? Yes No ✓ If so, what ml.?
Proposed Disposal Method For Trea	red Pit Wastes:
	if selected provide a completed form WW-9-GPP)
Underground Inje Reuse (at API Nu	tion (UIC Permit Number)
	(Supply form WW-9 for disposal location)
Will closed loop systembe used? If so, desc	ribe: N/A
Drilling medium anticipated for this well (ve	tical and horizontal)? Air, freshwater, oil based, etc. Freshwater/Gel
-If oil based, what type? Synthetic,	petroleum, etc. N/A
Additives to be used in drilling medium? B	ntonite
Drill cuttings disposal method? Leave in pit.	landfill, removed offsite, etc. Removed Offsite
-If left in pit and plan to solidify wh	t medium will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit nur	ber?
	office of Oil and Gas of any load of drill cuttings or associated waste rejected at any shall be provided within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Oprovisions of the permit are enforceable by leading or regulation can lead to enforcement action. I certify under penalty of law that application form and all attachments thereto the information, I believe that the informatic submitting false information, including the p	RECEIVED Office of Oil and Gas
Company Official (Typed Name) Hollie M.	JUL 3 0 2018
Company Official Title Regulatory Manager	WV Department of Environmental Protection
Subscribed and sworn before me this 2	day of July , 20 18
Brenda Malone-	Notary Publices TO OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA
My commission expires	STATE OF WEST VINCHINA Brenda Malone-Pence 1007 24th Street Parkersburg, WV 26101 My Commission Explies February 06, 2023

Proposed Revegetation Treatment: Acres I	Disturbed 0.2 +-	Preveg etation pH TBD	
Lime 2 Tons/ac	re or to correct to pH	7	
Fertilizer type 19-19-19			
Fertilizer amount 500	lb	s/acre	
Mulch 2	Tons/a	cre	
	Seed	<u>Mixtures</u>	
Temporary		Permanent	
Seed Type lbs/acr	e		bs/acre
Orchard Grass	46	Orchard Grass	46
Red Clover	8	Red Clover	8
Tertraploid Perennial Rye	16	Tertraploid Perennial Rye	16
	d applied, provide wa	Timothy 15 Annual Rye tion (unless engineered plans including this is ter volume, include dimensions (L, W, D) of	
Attach: Maps(s) of road, location, pit and proposed provided). If water from the pit will be land	d area for land applica d applied, provide wa eation area.	tion (unless engineered plans including this i	nfo have been
Attach: Maps(s) of road, location, pit and proposed provided). If water from the pit will be land (L, W), and area in acres, of the land applic Photocopied section of involved 7.5' topog	d area for land applica d applied, provide wa eation area. raphic sheet.	tion (unless engineered plans including this i	nfo have been
Attach: Maps(s) of road, location, pit and proposed provided). If water from the pit will be land (L, W), and area in acres, of the land applic Photocopied section of involved 7.5' topog	d area for land applica d applied, provide wa eation area. raphic sheet.	tion (unless engineered plans including this i	nfo have been
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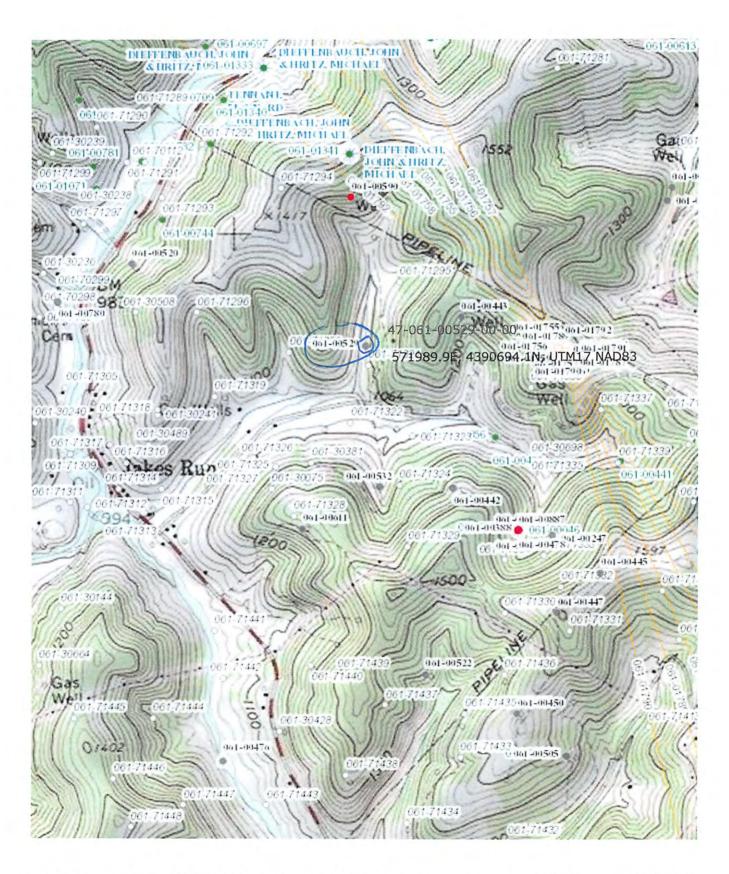
JUL 3 0 2018



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WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL LOCATION I	OKM. GIS
_{API:} 47-061-00529	WELL NO.: 1
FARM NAME: Nancy Tennant	
RESPONSIBLE PARTY NAME: NNE Res	sources LLC
COUNTY: Monongalia	ISTRICT: Clay
QUADRANGLE: Blacksville	
SURFACE OWNER: MEPCO, LLC	
ROYALTY OWNER: NNE LLC, et al	
UTM GPS NORTHING: 4390694.1	
UTM GPS EASTING: 571989.9	GPS ELEVATION: 1,093'
above well. The Office of Oil and Gas will not accept the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Cooking the above mean sea level (MSL) – med 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method:	ordinate Units: meters, Altitude: eters. RECEIVED Office of Oil and Gas
Survey grade GPS: Post Processed Differe Real-Time Differentia	1111 9 0 2040
Mapping Grade GPS X : Post Processed Diff	erential WV Department of Environmental Protection
Real-Time Differen	itial X
4. Letter size copy of the topography may I the undersigned, hereby certify this data is correct belief and shows all the information required by law prescribed by the Office of Oil and Gas.	to the best of my knowledge and
Hool more Regulator	y Manager 7-16-18
Signature	ele Date