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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, August 30, 2019

WELL WORK PLUGGING PERMIT  
Vertical Plugging

NNE RESOURCES LLC  
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for 3  
47-061-00517-00-00

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: 3  
Farm Name: TENNANT, ALBERT  
U.S. WELL NUMBER: 47-061-00517-00-00  
Vertical Plugging  
Date Issued: 8/30/2019

H

## 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

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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.

47-061-00517A

WW-4B  
Rev. 2/01

1) Date \_\_\_\_\_, 20\_\_\_\_\_  
2) Operator's  
Well No. Albert Tennant No. 3  
3) API Well No. 47-061 - 00517

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_\_ / Gas X / Liquid injection \_\_\_\_ / Waste disposal \_\_\_\_ /  
(If "Gas, Production \_\_\_\_ or Underground storage \_\_\_\_) Deep \_\_\_\_ / Shallow X

5) Location: Elevation 1,284 Watershed Dunkard Creek  
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator NNE Resources LLC 7) Designated Agent John Adams, Sr. VP of Operations  
Address 48 Donley St., Suite 601 Address 707 Virginia St. E., Suite 1200  
Morgantown, WV 26501 Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Gayne Knitowski Name ConServ Inc.  
Address PO Box 108 Address 929 Charleston Rd  
Gormanian, WV 26720 Spencer, WV 25276

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached

- Blow down well
- TIM TO 1820' AND SPOT GEL. MAKING SURE SHOT HOLE IS FILLED.
- PLACE A MINIMUM 200' CLASS A CEMENT PLUG FROM 2100' - 1900',  
WOC, TAG PLUG, ADD CEMENT IF NEEDED. (ADD GEL IF NEEDED)
- FREEPOINT, CUT & PULL 6 5/8" CASING. SET MINIMUM 100' CLASS A PLUG  
ACROSS CUT.
- ADD GEL IF NEEDED. SET A MINIMUM 200' CLASS A CEMENT PLUG  
FROM 1384' TO 1184'. ADD GEL TO ABOVE 700'.
- FREEPOINT, CUT & PULL 8 1/4" CASING. SET 100' PLUG ACROSS CUT.  
MAKE SURE TO COVER PITTSBURGH COAL @ 810'.
- FREEPOINT, CUT & PULL 10" IF POSSIBLE AND SET 100'  
CLASS A PLUG ACROSS CUT.
- ADD GEL IF NEEDED & SET 200' CLASS A PLUG TO SURFACE

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JUN 14 2019

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

Work order approved by inspector Gayne Knitowski Date 6/13/2019



# northeast

## NATURAL ENERGY

**Albert Tennant 3**  
**Monongalia County, WV**  
**API Number: 4706100517**  
**AFE Number: TBD**  
**Plugging Procedure**

### DISCUSSION

Approval is requested to perform the initial plugging on the Albert Tennant 3 Well. The Albert Tennant 3 is a vertical well located in Monongalia County, WV. For this procedure, the TD of the Albert Tennant 3 has been estimated to be approximately 2000' based off of averages from nearby wells whose TD values were known. Production from this well has been very low for numerous years. The Albert Tennant 3 is recommended to be plugged and abandoned.

### PLUG AND ABANDONMENT PROCEDURE:

1. Perform necessary earth work to establish access and work area for rig
2. Ensure all necessary E&S controls are installed
3. RIH with open ended tubing to determine PBTD
4. Attempt to remove all casing by pulling a minimum of 150% of casing string weight
5. If casing will not pull out, cut and remove as much casing as possible
6. Spot expandable cement from PBTD to 100' below coal to set a solid cement plug
7. Set a solid cement plug 100' above coal *PITS ON 12 @ 810'*
8. WOC expandable cement to harden
9. Top off well to surface with class A cement with no more than 3% CaCl<sub>2</sub> and no other additives
10. Place a well monument with API number
11. Reclaim site *ASAP*

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 WV Department of  
 Environmental Protection

*MDK 6/13/2019*

**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

**WELL DATA**

Location (Surface)	Lat. 39* 6479952	Long. -80* 1922088
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 known TD values for nearby wells.

ACTUAL TD WAS 2247'

**CASING AND TUBULAR DATA**

Surface	10"	N/A	610'	N/A	N/A
Intermediate	8 1/4"	N/A	825'	N/A	N/A
Production	6-5/8"	N/A	1650'	N/A	N/A

The casing depths used in this procedure are estimated values obtain from averaging the depths from the other plugging procedures which contained known depth values for wells close to this one. 150' cement plugs at the estimated depths where casing size changes to increase the likelihood of covering the actual depths. The 8 1/4" casing setting depth remained fairly consistent between wells so a 100' plug will be used as it was for the wells that had known setting depths.

CASING USED  
 10" SET @ 820'  
 8 1/4" SET @ 835'  
 6 5/8" SET @ 1820  
 5 3/16" HUNG ON PACKER 274

PITTSBURGH COAL @ 810  
 BIG INJUN 2120  
 INT. PAK 2224

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≈ 2100' OF CASING IN 100'  
 SHOT BELOW 2100'

JAM

# SOUTH PENN OIL COMPANY - COMPLETION

SERIAL NO. \_\_\_\_\_ FARM Tennant Albert WELL NO. 3  
 ELEVATION 13-14  
 LEASE NO. 360 ACRES 32 1/2  
 WATERS OF Jakes Run  
 DISTRICT Clay COUNTY Monongalia STATE W. Va.  
 DRILLING COMMENCED 6/2/1894 COMPLETED 8/8/1894 DEPTH 2224

SANDS	TOP	BOTTOM	ELEV. TOP	CAIRNS USED
Pen. Coal on surface	810		10"	820
Big Injun	2120		8 1/2"	835
1st pay sand	2224		6 5/8"	1820
			5 3/16"	274

INITIAL PROD. No record SAND Big Injun DEPTH 2224  
 GAS TEST No  
 SHOT 1 QUARTS 20  
(Not drilled through Big Injun)

REPORTED BY [Signature] ABANDONED \_\_\_\_\_

ARTIC. PANTS:

DATE: \_\_\_\_\_

47-061-0057A

WELL OPERATOR:

PENNZOIL CO.

JAN 28 1981

014730

FIRST PURCHASER:

Not Dedicated

OTHER: \_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

80-08-29-108-061 = 0517

Qualifies J. E. Huggins

Use Above File Number on all Communications  
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121  Items not completed - Line No. \_\_\_\_\_
2. IV-1 Agent  James A. Crews
3. IV-2 Well Permit \_\_\_\_\_
4. IV-6 Well Plat
5. IV-35 Well Record  Drilling  Deepening \_\_\_\_\_
6. IV-36 Gas-Oil Test:  Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
7. IV-39 Annual Production \_\_\_\_\_ years
8. IV-40 90 day Production 91 Days off line: \_\_\_\_\_
9. IV-48 Application for certification. Complete?
- 0-17. IV Form 51 - 52 - 53 - 54 - 55 - ~~56~~ - 57 - 58 Complete?  Affidavit Signed
- 8-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
Gas Analyses \_\_\_\_\_
- (5) Date commenced: 6-2-1994 Date completed: 8-8-1994 Deepened \_\_\_\_\_
- (5) Production Depth: 2120
- (5) Production Formation: Big Injun
- (5) Final Open Flow: NA
- (5) After Frac. R. P. NA
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production:  $\frac{2629}{365} = 7.2 \text{ MCF}$ , oil  $\frac{619}{365} = 1.7 \text{ BBL}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days:  $\frac{618}{91} = 6.8 \text{ MCF}$ , oil  $\frac{177}{91} = 1.9 \text{ BBL}$
- (8) Line Pressure: NA PSIG from Daily Report
- (7) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 17. Does lease inventory indicate enhanced recovery being done NO
- 17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information? NO
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Is Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

973

FORM NO. 1000  
12-73

Date July 25 '80

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's Well No. Albert Tennant #3

API Well No. 061 0517  
State WV County Putnam

WELL CLASSIFICATION FORM

STRIPPER GAS WELL  
MGA Section 108

DESIGNATED AGENT James A. Crews

ADDRESS P O Box 1588  
Parkersburg, WV 26101

WELL OPERATOR Pennzoil Company

LOCATION: Elevation 1299.90

ADDRESS P O Box 1588  
Parkersburg, WV 26101

Watershed Jakes Run  
Dist Clay County Monongalia Quad Blackville

GAS PURCHASER  
ADDRESS

Gas Purchase Contract No.  
Water Chart Code

Date of Contract

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

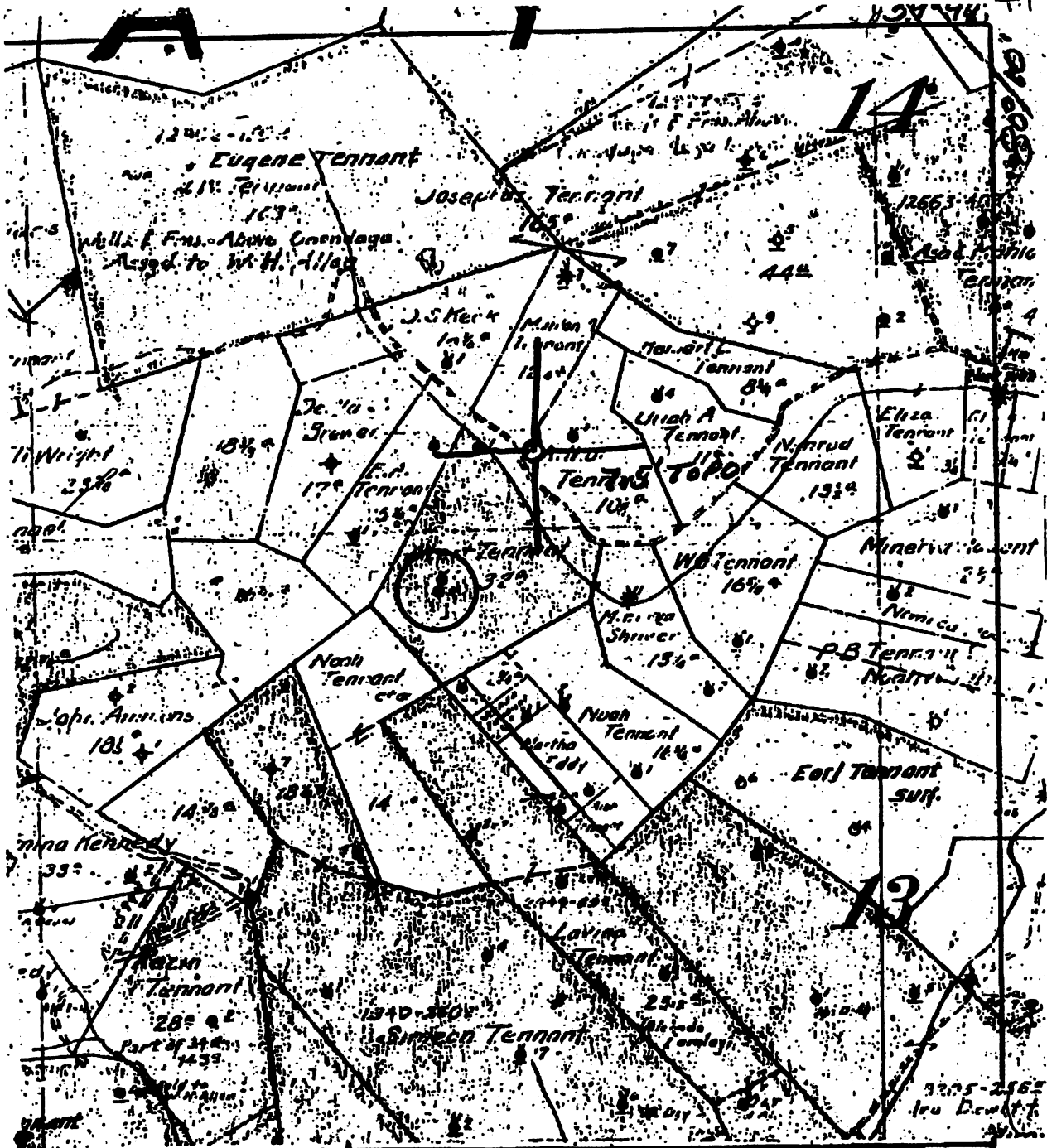
Standard wellhead arrangement with no extraordinary lease production equipment.

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O tax records and royalty payment records) and indicate the location of such records.

Gas Production Records) Location: Pennzoil Company  
Oil Production Records) 601 Grand Central Ave.  
Vienna, WV 26105

\* Not Dedicated.





(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-B  
 (8-78)  
 N72E N13 E24



DATE 1-24-79  
 OPERATOR'S WELL NO. 3  
 API WELL NO. 47-061-0517  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF GAS, PRODUCTION STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION  WATER SHED JAKES RUN  
 DISTRICT CLAY COUNTY MONROGALIA  
 QUADRANGLE BLACKS VILLE T.5

SURFACE OWNER \_\_\_\_\_ ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE \_\_\_\_\_  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  RE-DRILL  FRACTURE OR  
 STIMULATE  PLUS OFF OLD FORMATION  PERFORATE NEW  
 FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUS AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR Fennell Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588  
Parkersburg, WV 26101 Parkersburg, WV 26101

Alfred Tennant - 3

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.

PERSONNEL / PHONE LIST

General Manager, Operations	Diane Corwin	Office: (304) 212-0437 Mobile (304) 216-9959
Production Manager	John Landis	Office: (304) 212-0434 Mobile: (304) 216-6854
WV State Inspector	Gayne Knitowski	Office: (304) 241-7112 Cell (304) 546-8171

47-061-00517 A

WW-4A  
Revised 6-07

1) Date: 6-6-2019  
2) Operator's Well Number  
Albert Tennant No. 3  
3) API Well No.: 47 - 061 - 00517

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

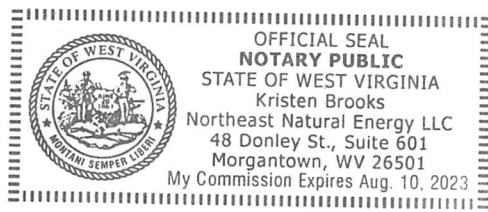
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>William Duke and Waitman Duke Towns</u> /	Name _____
Address <u>300 Country Rd.</u>	Address _____
<u>Fairview, WV 26570</u>	
(b) Name <u>Richard Earl Tennant</u> /	(b) Coal Owner(s) with Declaration
Address <u>21 Dee Hollow Rd.</u>	Name <u>Murray American Energy Inc</u> /
<u>Fairview, WV 26570-8647</u>	Address <u>46226 National Road</u>
	<u>St. Clairsville, OH 43950</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 108</u>	Name _____
<u>Gorman, WV 26720</u>	Address _____
Telephone <u>304-546-8171</u>	

**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 Environmental 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 certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator NNE Resources LLC  
 By: Hollie Medley  
 Its: Regulatory Manager  
 Address 48 Donley St., Suite 601  
Morgantown, WV 26501  
 Telephone 304-212-0422

Subscribed and sworn before me this 12th day of June, 2019  
Kristen Brooks Notary Public  
 My Commission Expires Aug. 10, 2023

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JUN 14 2019  
WV Department of  
Environmental Protection

**Oil and Gas Privacy Notice**

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](mailto:depprivacyoffier@wv.gov).

47-061-00517P

WW-9  
(5/16)

API Number 47 - 061 - 00517  
Operator's Well No. Albert Tennant No. 3

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ 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 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: NA; Plugging

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 provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number see attached )
- Reuse (at API Number see attached )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: NA

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Freshwater/Gel

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

Additives to be used in drilling medium? Bentonite

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

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

-Landfill or offsite name/permit number? See Attachment

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature Hollie M Medley  
Company Official (Typed Name) Hollie M. Medley

Company Official Title Regulatory Manager

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OFFICIAL SEAL  
NOTARY PUBLIC

STATE OF WEST VIRGINIA  
Kristen Brooks  
Northeast Natural Energy LLC  
48 Donley St., Suite 601  
Morgantown, WV 26501  
My Commission Expires Aug. 10, 2023

Subscribed and sworn before me this 12th day of June, 2019, 20

Kristen Brooks

Notary Public

My commission expires Aug 10, 2023



Proposed Revegetation Treatment: Acres Disturbed 0.9 Prevegetation pH TBD

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary				Permanent			
Seed Type		lbs/acre		Seed Type		lbs/acre	
Orchard Grass		46		Orchard Grass		46	
Red Clover		8		Red Clover		8	
Tertraploid Perennial Rye		16		Tertraploid Perennial Rye		16	
Timothy	15	Annual Rye	15	Timothy	15	Annual Rye	15

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Inspector

Date: 6/13/2019

Field Reviewed? (  ) Yes (  ) No

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N/A

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WW-9- GPP  
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API Number 47 - 061 - 00517  
Operator's Well No. Albert Tennant No. 3

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

Operator Name: NNE Resources LLC  
Watershed (HUC 10): Dunkard Creek Quad: Blacksville  
Farm Name: Albert Tennant No. 3

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

NA

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

4. Summarize all activities at your facility that are already regulated for groundwater protection.

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5. Discuss any existing groundwater quality data for your facility or an adjacent property.

N/A

47-061-00517 P

WW-9- GPP  
Rev. 5/16

Page 2 of 2  
API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. \_\_\_\_\_

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

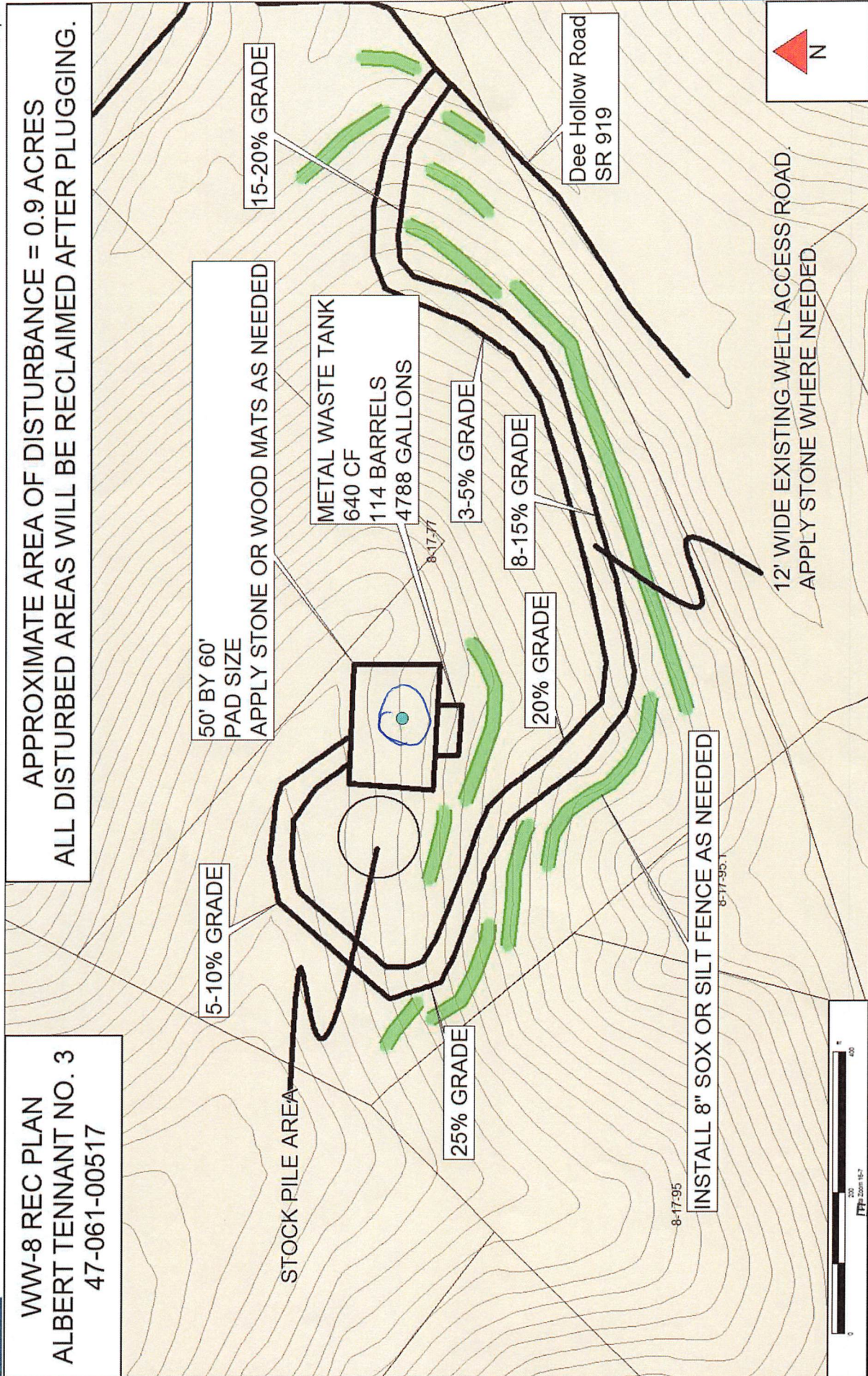
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: Hollis Mealy  
Date: 6-12-19

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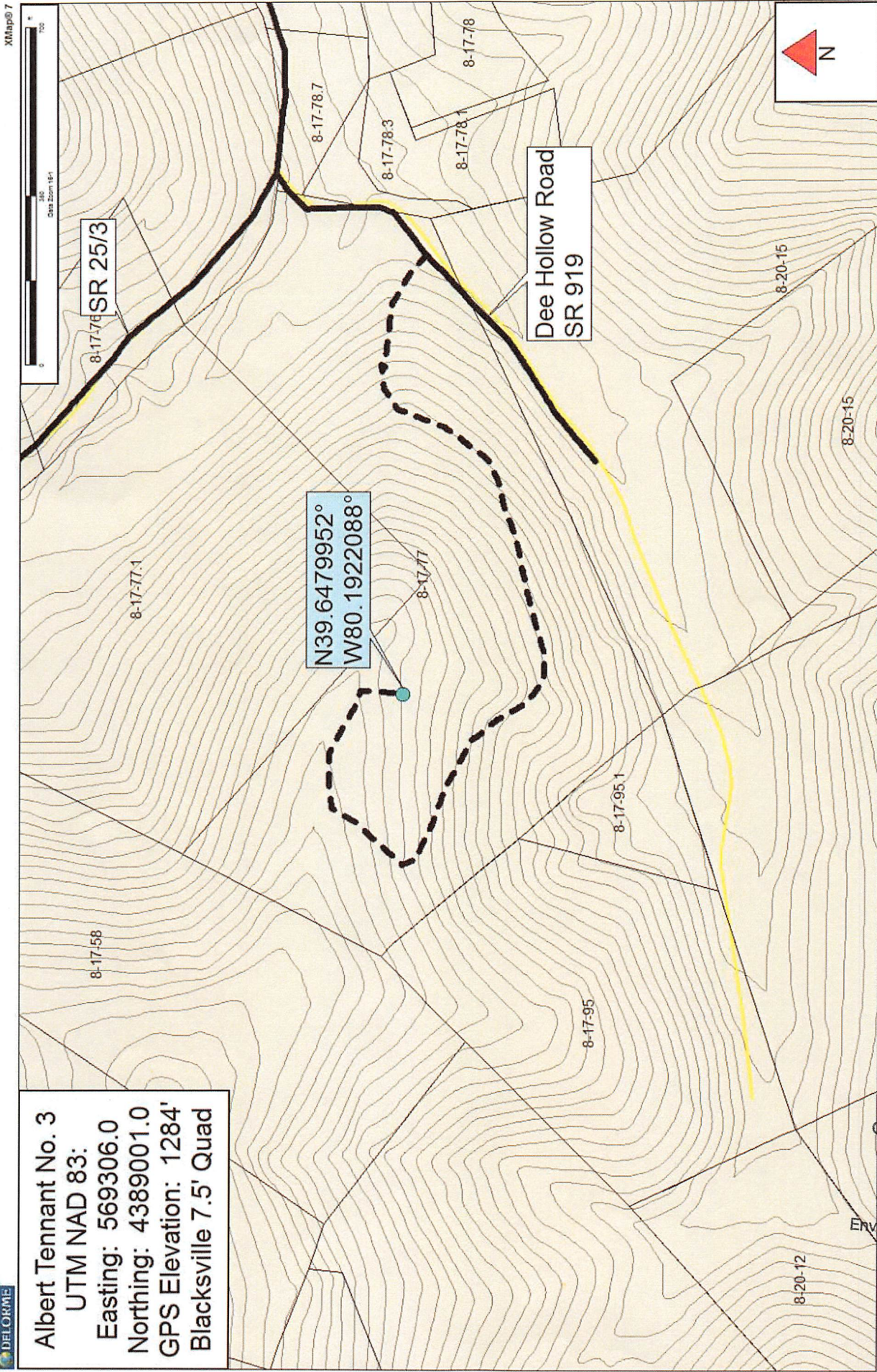
WW-8 REC PLAN  
ALBERT TENNANT NO. 3  
47-061-00517

APPROXIMATE AREA OF DISTURBANCE = 0.9 ACRES  
ALL DISTURBED AREAS WILL BE RECLAIMED AFTER PLUGGING.



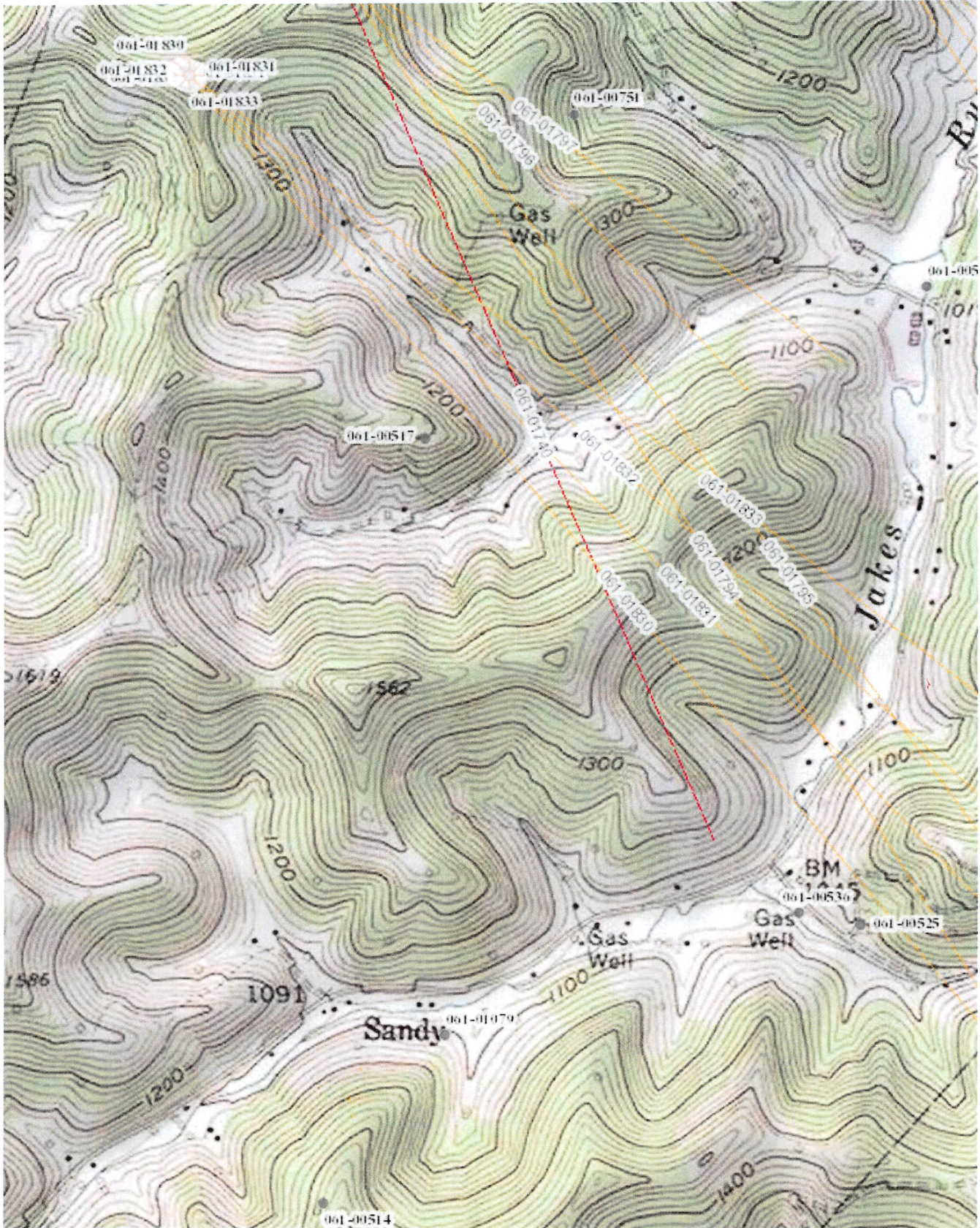
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JUN 14 2019  
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Albert Tennant No. 3  
 UTM NAD 83:  
 Easting: 569306.0  
 Northing: 4389001.0  
 GPS Elevation: 1284'  
 Blacks ville 7.5' Quad

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 Environmental Protection





WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-061-00517 WELL NO.: No 3

FARM NAME: Albert Tennant

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville

SURFACE OWNER: William Duke and Waitman Duke Towns, et al

ROYALTY OWNER: Baptist Interrenalial Missions, et al

UTM GPS NORTHING: 4389001.0

UTM GPS EASTING: 569306.0 GPS ELEVATION: 1,284

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:  
Survey grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_

Real-Time Differential \_\_\_\_

Mapping Grade GPS X: Post Processed Differential \_\_\_\_

Real-Time Differential X

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Helli Mealy  
Signature

Regulatory Manager  
Title

6-12-19  
Date

RECEIVED  
Office of Oil and Gas

JUN 14 2019

WV Department of  
Environmental Protection