



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

Monday, August 24, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

NNE RESOURCES LLC
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for 2
47-061-00522-00-00

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: 2
Farm Name: TENNANT, EZRA
U.S. WELL NUMBER: 47-061-00522-00-00
Vertical Plugging
Date Issued: 8/24/2020

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 March 27, 2020
- 2) Operator's
Well No. Ezra Tennant 2
- 3) API Well No. 47-061 - 00522

**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 1234' Watershed Dunkard Creek
District Clay County Monongalia Quadrangle Blacksville

- 6) Well Operator NNE Resources LLC 7) Designated Agent Hollie Medley
Address 707 Virginia Street E, Suite 1200 Address 48 Donley Street, Suite 601
Charleston, WV 25301 Morgantown, WV 26501

- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Knitowski Name TBD
Address P.O. Box 108 Address _____
Gorman, WV 26720

10) Work Order: The work order for the manner of plugging this well is as follows:
Please see attached Plugging Procedure.

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 Digitally signed by Gayne Knitowski Date: 2020.04.01 16:51:46 -0400 Date 4-1-2020



northeast

NATURAL ENERGY

**Ezra Tennant 2
Monongalia County, WV
API Number: 4706100522
Plugging Procedure**

Discussion

Approval is requested to perform the initial plugging on the Ezra Tennant 2 Well. The Ezra Tennant 2 is a vertical well located in Monongalia County, WV. The Ezra Tennant 2 was drilled to a depth of 2,101' on Jan 15, 1897. Production from this well has been very low for numerous years. The Ezra Tennant 2 is recommended to be plugged and abandoned.

Procedure

See attached procedure.

WELL DATA

| | |
|--------------------|------------------------|
| Location (Surface) | 39.6522271,-80.1576345 |
| TD* | 2,101' |
| PBTD | NA |
| Packer | NA |
| Marker Joint | NA |

CASING AND TUBULAR DATA

| STRING | SIZE | WEIGHT/GRADE | DEPTH | THREAD | TOC |
|--------------|---------|--------------|-------|--------|-----|
| Conductor | 10" | N/A | 707' | N/A | N/A |
| Surface | 8-1/4" | N/A | 1542' | N/A | N/A |
| Intermediate | 6-5/8" | N/A | 1697' | N/A | N/A |
| Production | 5-3/16" | N/A | 1677' | N/A | N/A |

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

PITTSBURGH COAL @ 683'

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 ~~2,052'~~ (2073')
4. Pump cement and gel plugs per state requirements.
5. Bury and plat a well monument with WV State API number.

PROCEDURE

Safety is the number one priority. Well site safety meetings will be held before each major operation

- 1) MIRU construction equipment and remove any tanks, separators, well lines, meter runs, etc.
- 2) MIRU service rig & needed BOP equipment
- 3) TOOH strapping rods and or tubing
- 4) Log to bottom of hole to double check depth
- 5) TIH strapping tubing to 2101' *Spot Gel.*
- 6) Set BHP ~ 20-30 sks of Class A cement (150-300' cement plug)
- 7) TOOH with tubing/WOC
- 8) Log TOC
- 9) Cut casing and pull 1.5 times weight
- 10) Pull all casing strapping and laying down
- 11) TIH w/tubing to set cement plug
- 12) Set cement plug (~80 sks 600')
- 13) Run log to find TOC
- 14) TIH with tubing to set plug
- 15) Cement to ~400'
- 16) TIH tag cement
- 17) Cement to surface
- 18) Cut all casing 36 inches below GL. Install a monument to WV state requirements
- 19) RDMO all service equipment providers and reclaim location to WV State requirements

Gayne
 Knitowski

Digitally signed by Gayne Knitowski
 Date: 2020.04.01 16:54:37 -0400'

RECEIVED
 Office of Oil and Gas

APR 06 2020

WV Department of
 Environmental Protection

PERSONNEL / PHONE LIST

Production Manager

John Landis

(304) 212-0434

WV State Inspector

Gayne Knitowski

(304) 546-8171

SOUTH PENN OIL COMPANY COMPLETION

SERIAL NO. _____ FARM Tennant Ezra WELL NO. _____
 ELEVATION _____ N W 14 S _____ E. _____ 26 _____
 LEASE NO. _____ ACRES 44
 WATERS OF Jakes Run
 DISTRICT Clay COUNTY Monongalia STATE W. Va.
 DRILLING COMMENCED 11/7/1896 COMPLETED 1/15/1897 DEPTH 2101

| BANDS | TOP | BOTTOM | ELEV. TOP | CASING USED |
|------------------------|------|--------|-----------|-------------|
| POH. COAL OR BIG INJUN | 683 | | | 10" 702 |
| Big Injun | 2003 | | | 8" 1542 |
| 1st. pay | 2073 | | | 6 5/8" 1697 |
| | | | | 5 3/16" 136 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

PACKERS AND DEPTH SET
 ROOSTER B.H. Packer 15/6
 INITIAL PROD. No record SAND Big Injun in on 10/15/1897 DEPTH 2073
 GAS TEST: No
 SHOT 5 QUARTS 4 to 20
 REMARKS (Not drilled through Big Injun)
 REPORTED BY [Signature] ABANDONED _____
 P. O. 554-22-10



Select County: Select datatypes: (Check All)

Enter Permit #:

Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/ShowWater 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 = 61 Permit = 00522

Report Time: Wednesday, May 27, 2020 3:41:59 PM

Location Information: [View Map](#)

| API | COUNTY | PERMIT | TAX_DISTRICT | QUAD_75 | QUAD_15 | LAT_DD | LONG_DD | UTME | UTMN |
|------------|------------|--------|--------------|-------------|-------------|-----------|------------|----------|-----------|
| 4706100522 | Monongalia | 522 | Clay | Blacksville | Blacksville | 39.652246 | -80.158183 | 572220.9 | 4389499.7 |

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 |
|------------|-----------|--------------|-----------|---------------|----------|--------|-------|-----------|-------------|------------------------|---------|--------------|------------|
| 4706100522 | 1/15/1897 | Original Loc | Completed | Ezra Tennant | 2 | | | | | Pennzoil Company | | | |

Completion Information:

| API | CMP_DT | SPUD_DT | ELEV_DATUM | FIELD | DEEPEST_FM | DEEPEST_FMT | INITIAL_CLASS | FINAL_CLASS | TYPE | RIG | CMP_MTHD | TVD | TMD | NEW_FTG | KOD | G_BEF | G_AFT |
|------------|-----------|-----------|------------|-----------------|---------------------------------------|----------------------|---------------|--------------|------|---------|----------|------|-----|---------|-----|-------|-------|
| 4706100522 | 1/15/1897 | 11/7/1896 | 1270 | Topo Estimation | Fry-Str R-M Mrs. Big Injun (Price&eq) | Big Injun (Price&eq) | unclassified | unclassified | Oil | unknown | Shot | 2102 | | 2102 | | | 0 |

Pay/Show/Water Information:

| API | CMP_DT | ACTIVITY | PRODUCT | SECTION | DEPTH_TOP | FM_TOP | DEPTH_BOT | FM_BOT | G_BEF | G_AFT | O_BEF | O_AFT | WATER_QNTY |
|------------|-----------|----------|---------|----------|-----------|--------|-----------|----------------------|-------|-------|-------|-------|------------|
| 4706100522 | 1/15/1897 | Pay | Oil | Vertical | | | 2073 | Big Injun (Price&eq) | 0 | 90 | | | |

Production Gas Information: (Volumes in Mcf) * 2019 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_GAS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|---------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4706100522 | Pennzoil Company | 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Company | 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Company | 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Company | 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Products Company | 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Products Company | 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Products Company | 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Products Company | 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2011 | 60 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 4706100522 | Eddy Mark & Harry | 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2013 | 60 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 4706100522 | NNE Resources, LLC | 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil * 2019 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_OIL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|---------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4706100522 | Pennzoil Company | 1981 | 230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Company | 1982 | 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Company | 1983 | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Company | 1984 | 265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Products Company | 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Pennzoil Products Company | 1989 | 352 | 28 | 34 | 26 | 28 | 36 | 25 | 38 | 31 | 29 | 35 | 21 | 21 |
| 4706100522 | Pennzoil Products Company | 1990 | 314 | 36 | 22 | 28 | 31 | 23 | 28 | 34 | 31 | 18 | 29 | 20 | 14 |
| 4706100522 | Pennzoil Products Company | 1991 | 341 | 27 | 27 | 27 | 38 | 31 | 28 | 35 | 29 | 22 | 29 | 27 | 21 |
| 4706100522 | Eddy Mark & Harry | 1992 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 |
| 4706100522 | Eddy Mark & Harry | 1993 | 156 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 4706100522 | Eddy Mark & Harry | 1994 | 78 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 4706100522 | Eddy Mark & Harry | 1998 | 276 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 4706100522 | Eddy Mark & Harry | 2002 | 192 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 4706100522 | Eddy Mark & Harry | 2003 | 168 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 4706100522 | Eddy Mark & Harry | 2004 | 72 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 4706100522 | Eddy Mark & Harry | 2005 | 60 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 4706100522 | Eddy Mark & Harry | 2006 | 84 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 4706100522 | Eddy Mark & Harry | 2007 | 84 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 4706100522 | Eddy Mark & Harry | 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | Eddy Mark & Harry | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil * 2019 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_NGL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|--------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4706100522 | Eddy Mark & Harry | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Production Water Information: (Volumes in Gallons) * 2019 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_WTR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|--------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4706100522 | NNE Resources, LLC | 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4706100522 | NNE Resources, LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

LATITUDE 39° 40' 00"



05' 20" 00" LONGITUDE

7'5 OGIS topo location

7.5' loc 1.00 S 15' loc _____
 1.78 W (calc.) _____

Company _____

Farm _____

Quad BLACKVILLE 7 1/2'

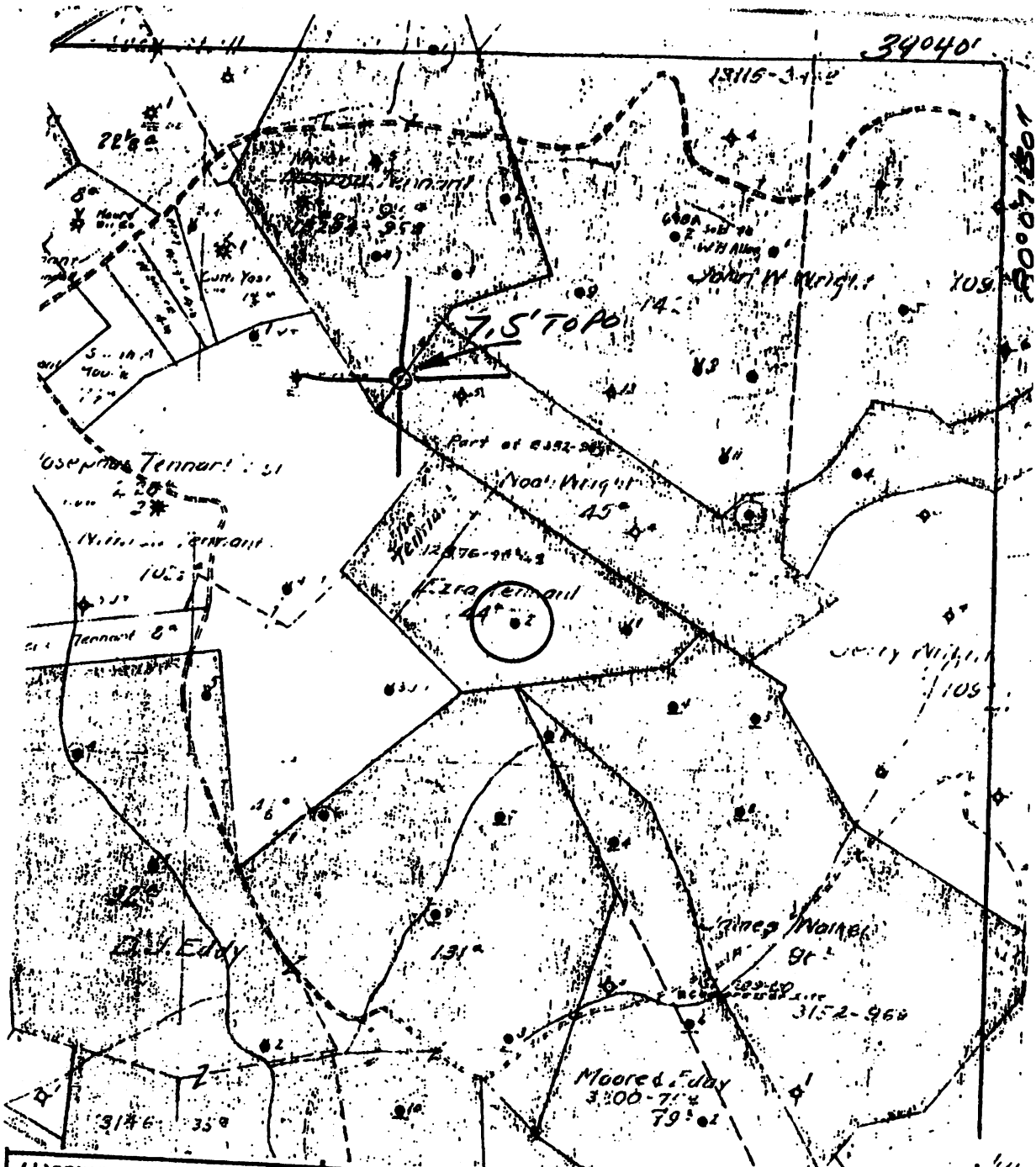
County MANONGALIA

District CLAY

Class 1270± (TOPO)

WELL LOCATION MAP

File No. 061-0522



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)

N72E N12E24

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 1-24- 1979
OPERATOR'S WELL NO. 2
API WELL NO. 47-061-0522
STATE COUNTY PERMIT

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

SURFACE OWNER _____
OIL & GAS ROYALTY OWNER _____ ACREAGE _____

LEASE NO. _____ LEASE ACREAGE _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crews
ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101

ERRATUM

WW-4A
Revised 6-07

1) Date: March 27, 2020
2) Operator's Well Number
Ezra Tennant 2
3) API Well No.: 47 - 061 - 00522

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

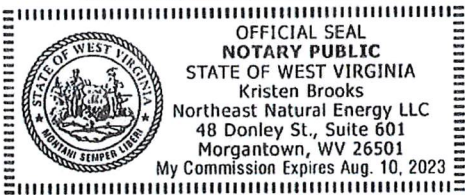
| | |
|---|---|
| 4) Surface Owner(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>Mr. David W. Frazier</u> | Name _____ |
| Address <u>3860 Mason Dixon Hwy</u> | Address _____ |
| <u>Core, WV 26541</u> | |
| (b) Name <u>Mr. James P. & Nancy A. Cummins</u> | (b) Coal Owner(s) with Declaration |
| Address <u>3 Behlar Road</u> | Name <u>CONSOL Mining Company LLC</u> |
| <u>Fairview, WV 26570</u> | Address <u>1000 Consol Energy Drive</u> |
| | <u>Canonsburg, PA 15317</u> |
| (c) Name _____ | Name <u>Murray Energy Corporation</u> |
| Address _____ | Address <u>46226 National Road</u> |
| | <u>St. Clairsville, OH 43950</u> |
| 6) Inspector <u>Gayne Knitowski</u> | (c) Coal Lessee with Declaration |
| Address <u>P.O. Box 108</u> | Name _____ |
| <u>Gormaniam, 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 Street, Suite 601
Morgantown, WV 26501
 Telephone: 304.212.0422

Subscribed and sworn before me this 3rd day of April, 2020
Kristen Brooks Notary Public
 My Commission Expires August 10, 2023

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 depprivacyofficer@wv.gov.

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HAYSVILLE, WV 26541

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| Certified Mail Fee | \$3.55 |
| Extra Services & Fees (check box, add fee as appropriate) | \$2.85 |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$0.00 |
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| <input type="checkbox"/> Certified Mail Restricted Delivery | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |

Postage \$1.40
 Total Postage \$7.80

Sent To
 Mr. David W. Frazier
 3860 Mason Dixon Hwy
 Core, WV 26541

PS Form 3800, April 2013 PSN 7530-02-000-9047 See Reverse for Instructions



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FAIRVIEW, WV 26570

OFFICIAL USE

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| Extra Services & Fees (check box, add fee as appropriate) | \$2.85 |
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| <input type="checkbox"/> Return Receipt (electronic) | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |

Postage \$1.40
 Total Postage \$7.80

Sent To
 Mr. and Mrs. Cummins
 3 Behlar Road
 Fairview, WV 26570

PS Form 3800, April 2013 PSN 7530-02-000-9047 See Reverse for Instructions



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SAINT CLAIRSVILLE, OH 43950

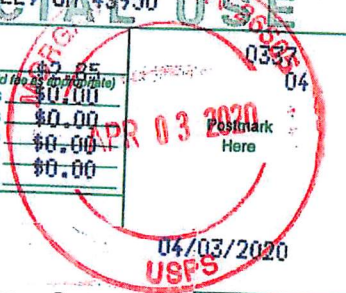
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| | |
|--|--------|
| Certified Mail Fee | \$3.55 |
| Extra Services & Fees (check box, add fee as appropriate) | \$2.85 |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic) | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |

Postage \$1.80
 Total Postage \$8.20

Sent To
 Murray Energy Corporation
 46226 National Road
 St. Clairsville, OH 43950

PS Form 3800, April 2013 PSN 7530-02-000-9047 See Reverse for Instructions



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CANONSBURG, PA 15317

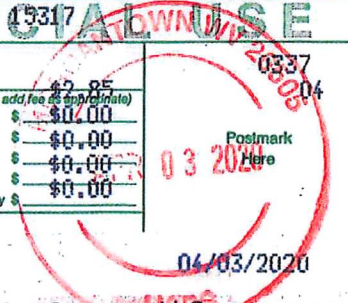
OFFICIAL USE

| | |
|--|--------|
| Certified Mail Fee | \$3.55 |
| Extra Services & Fees (check box, add fee as appropriate) | \$2.85 |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic) | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |

Postage \$1.60
 Total Postage \$8.00

Sent To
 Consol Mining Company LLC
 1000 Consol Energy Drive
 Canonsburg, PA 15317

PS Form 3800, April 2013 PSN 7530-02-000-9047 See Reverse for Instructions



WW-9
(5/16)

API Number 47 - 061 - 00522
Operator's Well No. Ezra Tennant 2

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 *ANY WELL EFFLUENT MUST BE CONTAINED IN TANK AND DISPOSED 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 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 see attached)

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 attached

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 Medley
Company Official (Typed Name) Hollie Medley
Company Official Title Regulatory Manager

Subscribed and sworn before me this 3rd day of April, 2020, 20

Kristen Brooks
My commission expires August 10, 2023

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

Form WW-9

Operator's Well No. Ezra Tennant 2

Proposed Revegetation Treatment: Acres Disturbed 1.19 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 | Timothy | 15 |
| Annual Rye | 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: Gayne Knitowski Digitally signed by Gayne Knitowski

Comments: _____

Reclaim site ASAP

Title: Inspector

Date: 4-1-2020

Field Reviewed? Yes No

Attachment "B"

Section V - Planned Disposal Method

The below listed UIC wells are all possibilities where flowback/produced water can be disposed:

| UIC Well Name | Permit/API# | Operator | Latitude & Longitudes | County & State |
|---------------|-------------|---------------------------------|-----------------------|-----------------------|
| K & H | 4706101689 | Central Environmental Services | 39.235897, -81.757944 | Athens County, OH |
| Dennison | 3415725507 | Dennison Disposal | 40.407991, -81.311866 | Tuscarawas County, OH |
| Nichols | 3416723862 | Nuverra Environmental Solutions | 39.346783, -81.587640 | Washington County, OH |
| Goff | 3411928776 | Nuverra Environmental Solutions | 39.978168, -81.812152 | Muskingum County, OH |
| Clearwater 3 | 3405923986 | Nuverra Environmental Solutions | 40.027672, -81.510341 | Guernsey County, OH |
| Bo | 3405924473 | Nuverra Environmental Solutions | 40.027672, -81.510342 | Guernsey County, OH |
| Shields | 3405924445 | Nuverra Environmental Solutions | 40.027171, -81.449562 | Guernsey County, OH |
| Redbird #2 | 3416729731 | Redbird Development, LLC | 39.337326, -81.674314 | Washington County, OH |
| Redbird #4 | 3416729767 | Redbird Development, LLC | 39.337326, -81.674314 | Washington County, OH |
| Mills | 3410523619 | Omega Drilling/FQ Energy | 38.936647, -81.781831 | Meigs County, OH |
| Dexter City | 3412124037 | Omega Drilling/FQ Energy | 39.653903, -81.476031 | Noble County, OH |
| Ritchie | 4708509721 | Omega Drilling/FQ Energy | 39.258578, -81.099936 | Ritchie County, WV |

| NPDES (Treatment Plant) | Permit/API# | Operator | Latitude & Longitudes | County & State |
|-------------------------------|---------------|-------------------------------------|-----------------------|----------------|
| Greene County Water Treatment | WMGR 123SW010 | Greene County Water Treatment, Inc. | 39.908575, -81.140846 | Waynesburg, PA |
| Fairmont Brine | WVR 00521948 | Fairmont Brine Processing | 39.507327, -80.126389 | Fairmont, WV |
| Appalachian Water Service | WMGR 123001 | Nuverra Environmental Solutions | 39.852370, -79.925116 | Masontown, PA |
| Penneco | 2D09300103002 | Penneco | 39.013264, -79.810137 | Randolph, WV |

WW-9- GPP
Rev. 5/16

N/A

Page 1 of 2
API Number 47 - 061 - 00522
Operator's Well No. Ezra Tennant 2

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: Ezra Tennant 2

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

N/A

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.

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

WW-9- GPP
Rev. 5/16

N/A

Page 2 of 2
API Number 47 - 061 - 00522
Operator's Well No. _____

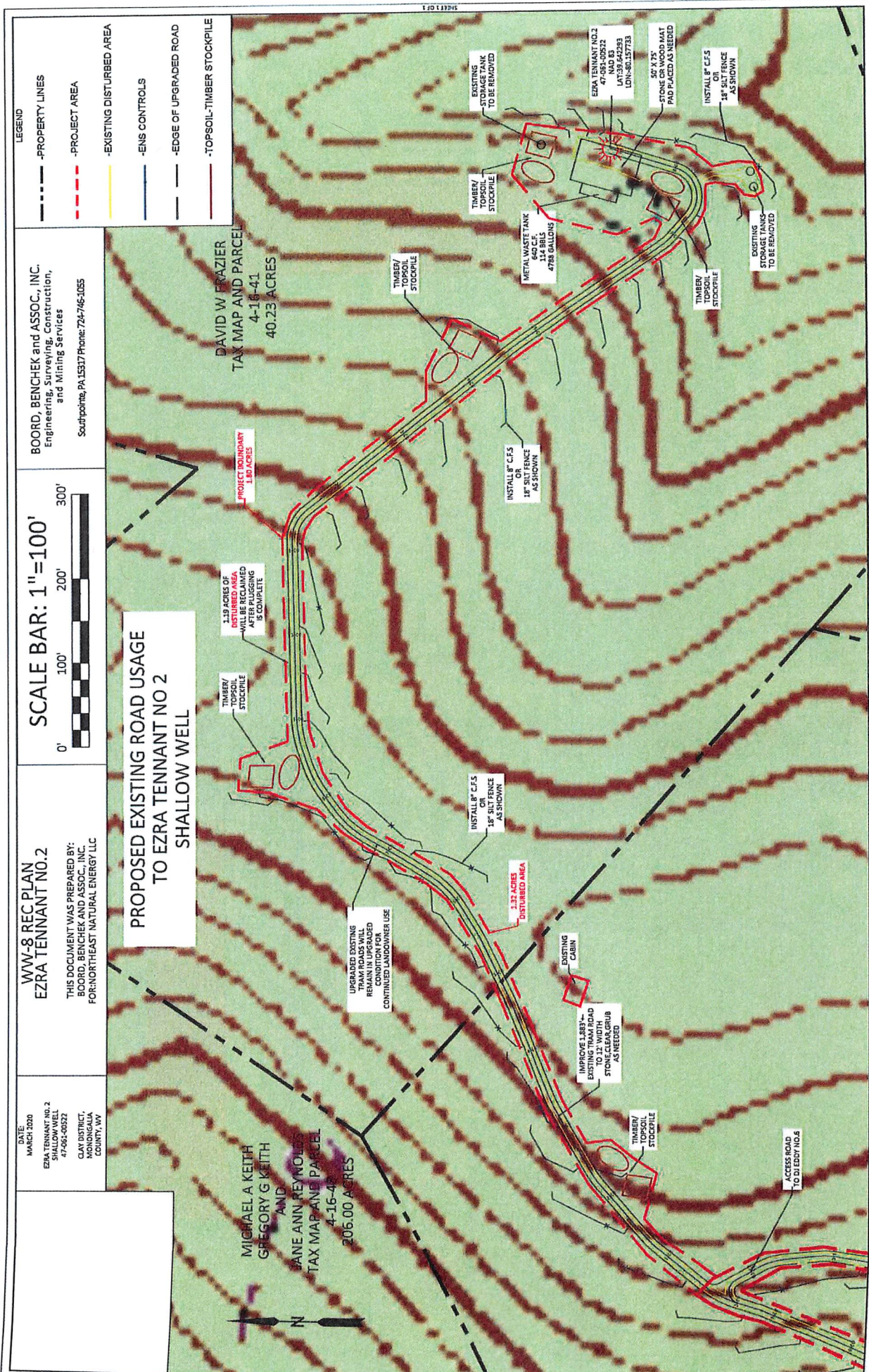
6. Provide a statement that no waste material will be used for deicing or fill material on the property.

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: Holeman

Date: 4-3-00



**WW-8 REC PLAN
EZRA TENNANT NO. 2**

THIS DOCUMENT WAS PREPARED BY:
BOARD, BENCHEK AND ASSOC., INC.
FOR: NORTHEAST NATURAL ENERGY LLC

BOARD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services
Southpointe, PA 15317 Phone: 724-746-1055

SCALE BAR: 1"=100'

0' 100' 200' 300'

LEGEND

- PROPERTY LINES
- PROJECT AREA
- EXISTING DISTURBED AREA
- EAS CONTROLS
- EDGE OF UPGRADED ROAD
- TOPSOIL-TIMBER STOCKPILE

DATE:
MARCH 2020

**EZRA TENNANT NO. 2
SHALLOW WELL**
47-061-00522

CLAY DISTRICT,
MONONGALIA
COUNTY, WV

**PROPOSED EXISTING ROAD USAGE
TO EZRA TENNANT NO 2
SHALLOW WELL**

**DAVID W. FRAZIER
TAX MAP AND PARCEL
4-16-41
40.23 ACRES**

**MICHAEL A. KEITH
GREGORY G. KEITH
AND
JANE ANN REYNOLDS
TAX MAP AND PARCEL
4-16-41
206.00 ACRES**

SHEET 3 OF 3

WW-7
8-30-06



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

API: 47-061-00522 WELL NO.: 2
 FARM NAME: Ezra Tennant
 RESPONSIBLE PARTY NAME: NNE Resources LLC
 COUNTY: Monongalia DISTRICT: Clay
 QUADRANGLE: Blacksville
 SURFACE OWNER: David W. Frazier
 ROYALTY OWNER: David W. Frazier
 UTM GPS NORTHING: 4389498
 UTM GPS EASTING: 572268 GPS ELEVATION: 1234'

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 ____

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.

Holl Mealy
Signature

Regulatory Manager
Title

3-27-20
Date

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A

- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED