



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

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Wednesday, June 21, 2017
WELL WORK PERMIT
Vertical / Plugging

NNE RESOURCES LLC (A)
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for 15
47-061-00486-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: 15
Farm Name: EDDY, D. J.
U.S. WELL NUMBER: 47-061-00486-00-00
Vertical / Plugging
Date Issued: 6/21/2017

Promoting a healthy environment.

06/23/2017

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.

6100486 P

WW-4B
Rev. 2/01

1) Date May 2, 2017
2) Operator's
Well No. D.J. Eddy 15
3) API Well No. 47-061 - 00486

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 / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production or Underground storage ___) Deep ___ / Shallow ___
- 5) Location: Elevation 1,338' Watershed Dunkard Creek
District Clay County Monongalia Quadrangle Blacksville
- 6) Well Operator NNE Resources LLC 7) Designated Agent Zack Arnold
Address 707 Virginia Street East, 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:
 Perform necessary earth work to establish access and work area for rig and ensure all necessary E&S controls are installed.
 RIH with open ended tubing to determine PBTD and attempt to remove all casing by pulling a minimum of 150% of casing string weight.
 If casing will not pull out, cut and remove as much casing as possible. Spot expandable cement from PBTD to 100' below coal to set a solid cement plug.
 Set a solid cement plug 70' to 100' above coal. WOC expandable cement to harden. Top off well to surface with class A cement with no more than 3% CaCl2 and no other additives. Place a well monument with API number and reclaim the site.

RECEIVED
Office of Oil and Gas
MAY 30 2017
WV Department of
Environmental Protection

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

Work order approved by inspector Gayne J. Knitowski Date 5/11/2017

06/23/2017

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.

RECEIVED
Office of Oil and Gas

MAY 30 2017

WV Department of
Environmental Protection

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 2,202'.
4. Pump cement and gel plugs per state requirements.
5. Bury and plat a well monument with WV State API number.

PROCEDURE

- 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'
- 6) Pump 20 sks of Class A cement (150' cement plug), displace cement plug
- 7) TOOH with tubing
- 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
- 20) Cut all casing 36 inches below GL. Install a monument to WV state requirements
- 21) RDMO all service equipment providers and reclaim location to WV State requirements

RECEIVED
Office of Oil and Gas

MAY 30 2017

WV Department of
Environmental Protection

PERSONNEL / PHONE LIST

General Manager, Operations	Zack Arnold	Office: (304) 241-7105 Mobile (304) 203-8059
Drilling Manager	Jay Hewitt	Office: (304) 241-7106 Mobile: (304) 382-1825
Completions Manager	Ian Costello	Office: (304) 241-7107 Mobile: (304) 610-9764
Production Engineer	Ryan Warner	Office: (304) 241-7117 Mobile: (304) 777-3287
Associate Geologist	Emily Jordan	Office: (304) 414-7085
WV State Inspector	Gayne Knitowski	Office: (304) 241-7112

WELL DATA

Location (Surface)	Lat. 39.667' Long.-80.125'
TD	2,202'
PBTD	NA
Packer	NA
Marker Joint	NA

RECEIVED
Office of Oil and Gas

MAY 30 2017

WV Department of
Environmental Protection**CASING AND TUBULAR DATA**

STRING	SIZE	WEIGHT/GRADE	DEPTH	THREAD	TOC
Surface	10"	N/A	824'	N/A	N/A
Intermediate	8 1/4"	N/A	1,664'	N/A	N/A
Production	5 3/16"	N/A	2,133'	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



Select County: (061) Monongalia Select datatypes: (Check All)

Enter Permit #: 00486

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

Get Data Reset

[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 = 00486

Report Time: Wednesday, June 21, 2017 11:38:58 AM

Well Reassignment Information: Reassigned From

OLD_COUNTY	OLD_PERMIT	NEW_COUNTY	NEW_PERMIT
61	71430	61	486

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4706100486	Monongalia	486	Clay	Blacksville	Blacksville	39.641784	-80.158764	572182	4388338

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
4706100486	-/-		Original Loc. Completed	D J Eddy	15					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	G_BEF	G_AFT	O_BEF	O_AFT_N
4706100486	-/-	-/-			Unnamed			unclassified	unclassified	not available	unknown	unknown			0	0	0	0	0

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
4706100486	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Company	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Products Company	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Products Company	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	1998	168	14	14	14	14	14	14	14	14	14	14	14	14
4706100486	Eddy Mark & Harry	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2005	60	60	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2007	20	2	2	2	2	2	2	2	1	1	1	1	1
4706100486	Eddy Mark & Harry	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	NNE Resources, LLC	2015	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

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100486	Pennzoil Company	1981	67	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Company	1982	42	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Company	1983	15	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Company	1984	43	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Products Company	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Pennzoil Products Company	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2006	48	4	4	4	4	4	4	4	4	4	4	4	4
4706100486	Eddy Mark & Harry	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	NNE Resources, LLC	2015	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

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100486	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100486	NNE Resources, LLC	2015	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

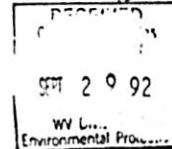
Form-OP-77
Obverse

16207 - 061-0486

16195-16227



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia 25311
Telephone: 348-3500



This is to acknowledge that the wells listed on the reverse of this form are hereby transferred from Pennzoil Products Company Code # 37450 (the transferor) to Eddy Brothers Code # 15220 (the transferee).

The transferee by this document is accepting all responsibility for compliance with the provisions of Chapter 22B, Article 1, of the West Virginia Code and all rules and regulations promulgated thereunder, for the listed wells.

The transferee has registered and designated an agent on Form-OP-1, who is; designated agent (name) Harry Eddy (address) Route 1, Box 121, Core, West Virginia 26529, which is on file with the Division of Oil and Gas.

The transferee has bonded the said wells by securities, cash, or surety (circle one) bond identified below by amount, effective date, issuing authority, and any identifying number. \$50,000.00 Irrevocable Letter of Credit with Westover Bank No. 90-167 dated February 15, 1990. Expiration date March 31, 1995.

211 # 636
9/25/92
1650.00

(Transferee) EDDY BROTHERS
By Harry Eddy
Its HARRY EDDY, Agent

Taken, subscribed and sworn to before me this 12 day of September 1992

Notary Public Nellie Catherine McClade

My commission expires November 1, 1993

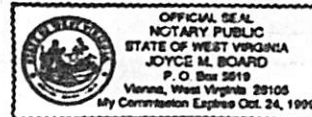


(Transferor) PENNZOIL PRODUCTS COMPANY
By James A. Lewis
Its JAMES A. LEWIS Attorney in Fact MLR

Taken, subscribed and sworn to before me this 4th day of September, 1992

Notary Public Joyce M. Board

My commission expires October 24, 1999



FORM-OP-77
Reverse

API (PERMIT) NUMBER	FARM NAME	OPERATOR'S WELL NUMBER
47-061-0516	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 98
47-061-0477	D. J. Eddy	6 99
47-061-0478	D. J. Eddy	7 16200
47-061-0479	D. J. Eddy	8 16201
47-061-0480	D. J. Eddy	9 202
47-061-0482	D. J. Eddy	11 23
47-061-0483	D. J. Eddy	12 4
47-061-0484	D. J. Eddy	13 5
47-061-0485	D. J. Eddy	14 6
47-061-0486	D. J. Eddy	15 7
47-061-0487	D. J. Eddy	16 8
47-061-0448	J. S. Walker	2 9
47-061-0449	J. S. Walker	3 16210
47-061-0450	J. S. Walker	4 11
47-061-0504	Moore and Eddy	2 12
47-061-0505	Moore and Eddy	4 13
47-061-0506	Moore and Eddy	5 14
47-061-0507	Moore and Eddy	6 15
47-061-0488	E. W. Eddy	2 16
47-061-0525	Nimrod Tennant	6 17
47-061-0526	Nimrod Tennant	7 18
47-061-0446	Noah Wright	1 19
47-061-0523	Malinda Tennant	3 20
47-061-0522	Ezra Tennant	2 21
47-061-0443	John W. Wright	14 22
47-061-0529	Nancy Tennant	1 23
47-061-0530	Nancy Tennant	2 24
47-061-0531	Nancy Tennant	3 25
47-061-0518	Alpha Tennant	1 26
47-061-0514	Minnie V. Sturm	1 27

VIOLETION NO. 2741
FORM VI 27

374150
40pts

DATE August 5 1992
API NO. 47-61-486

MAJOR: _____
MODERATE: _____
MINOR: _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS
NOTICE OF VIOLATION

REC'D
Office of _____
Office of _____
AUG 17 92
WV Division of
Environmental Protection

LOCATION: FARM NAME D. J. Fody WELL NO. 15
DISTRICT _____ COUNTY Mon.

TO: Pennzoil Products Co. DESIGNATED AGENT James A Crews
ADDRESS P.O. Box 5519 ADDRESS Same
Vienna WV. 26105-5519

The above well is being posted this 5th day of August, 19 92, for a violation of West Virginia Code 22B-1-19 and/or 38 CSR Series _____, section _____ of the Legislative rules of the Division of Oil and Gas of the Department of Energy, set forth in detail as follows:

"USE ADDITIONAL SHEETS AS NECESSARY"

*No Production Reported for Several years
Well appears to Be ABANDON.*

A copy of this notice has been posted at the wellsite and sent by certified or registered mail to the person or Designated Agent named above.

You are hereby granted until September 1st, 19 92, to abate this violation.

Timely abatement of the violation may well result in mitigation of any or all actions available to the Division under West Virginia Code 22B-1, including but not limited to assessment of civil penalties, filing of misdemeanor charges, and injunctive relief.

An informal conference with the Oil and Gas inspector should be arranged prior to the date set forth above for abatement of the violation.

SIGNED Randal Mick ADDRESS R13 Box 248
TITLE Oil & Gas Inspector Weston WV. 26452
TELEPHONE 269-2335.

LATITUDE 39° 40' 00"

9



LONGITUDE 80° 07' 30"

RECEIVED
Office of Oil and Gas

MAY 30 2017

WV Department of
Environmental Protection

7'5 OGIS topo location

7.5' loc 1.24 S 15' loc _____
' 1.61 W (calc.) _____

Company _____

Farm _____

Quad BLACKSVILLE 7 1/2'

County MONONGALIA

District CLAY

Ben 1390± (topo)

WELL LOCATION MAP

File No. 061-0505

WW-4A
Revised 6-07

RECEIVED
Office of Oil and Gas

MAY 30 2017

WV Department of
Environmental Protection

1) Date: May 2, 2017
2) Operator's Well Number
D.J. Eddy 15

3) API Well No.: 47 - 061 - 00486 P

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

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name Mr. Albert K. and Shirley Eddy Address 36 Behlar Road Fairview, WV 26570</p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator</p> <p>Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name Please See Attachment Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____</p>
<p>6) Inspector</p> <p>Address Gayne Knitowski P.O. Box 108 Gormanian, WV 26720</p> <p>Telephone 304-546-8171</p>	

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: Zack Arnold *[Signature]*
 Title: General Manager - Operations
 Address: 707 Virginia Street East - Suite 1200
 Charleston, WV 25301
 Telephone: 304.241.5752

Subscribed and sworn before me this 11th day of May, 2017
[Signature] Notary Public

My Commission Expires June 18, 2018

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.

06/23/2017

WW-4A

DJ Eddy 15 – API No. 47-061-00486

P

4) Surface Owner:

Mr. Albert K. and Shirley Eddy
36 Behlar Road
Fairview, WV 26570

5) Coal Owner:

CONSOL Mining Co., LLC
Attn: Analyst
Engineering & Operations Support - Coal
1000 CONSOL Energy Drive
Canonsburg, PA 15317

Murray American Energy, Inc.
Attn: Mr. Alex O'Neill
46226 National Road
St. Clairsville, OH 43950

Mr. Albert K. and Shirley Eddy
36 Behlar Road
Fairview, WV 26570

Ms. Mikayla E. Matheny and Lacen T. Matheny
1304 Pedlar Run Road
Core, WV 26541

RECEIVED
Office of Oil and Gas

MAY 30 2017

WV Department of
Environmental Protection

06/23/2017

WW-9
(5/16)

API Number 47 - 061 - 00486
Operator's Well No. D.J. Eddy 15

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: _____

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 Attachment)
- Reuse (at API Number See Attachment)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

RECEIVED
Office of Oil and Gas
MAY 30 2017
WV Department of
Environmental Protection

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical 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? 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 [Signature]
Company Official (Typed Name) Zack Arnold
Company Official Title General Manager - Operations

Subscribed and sworn before me this 11th day of May, 20 17
Christy Allen Patten Notary Public

My commission expires June 18, 2018



Proposed Revegetation Treatment: Acres Disturbed 0.7 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: *Maureen J. Kuntawsk*

Comments: _____

RECEIVED
Office of Oil and Gas
MAY 30 2017
WV Department of
Environmental Protection

Title: Inspector Date: 5/11/2017

Field Reviewed? () Yes () No

Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for the plugging of the D.J. Eddy No. 15 well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

D.J. Eddy No. 15 Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

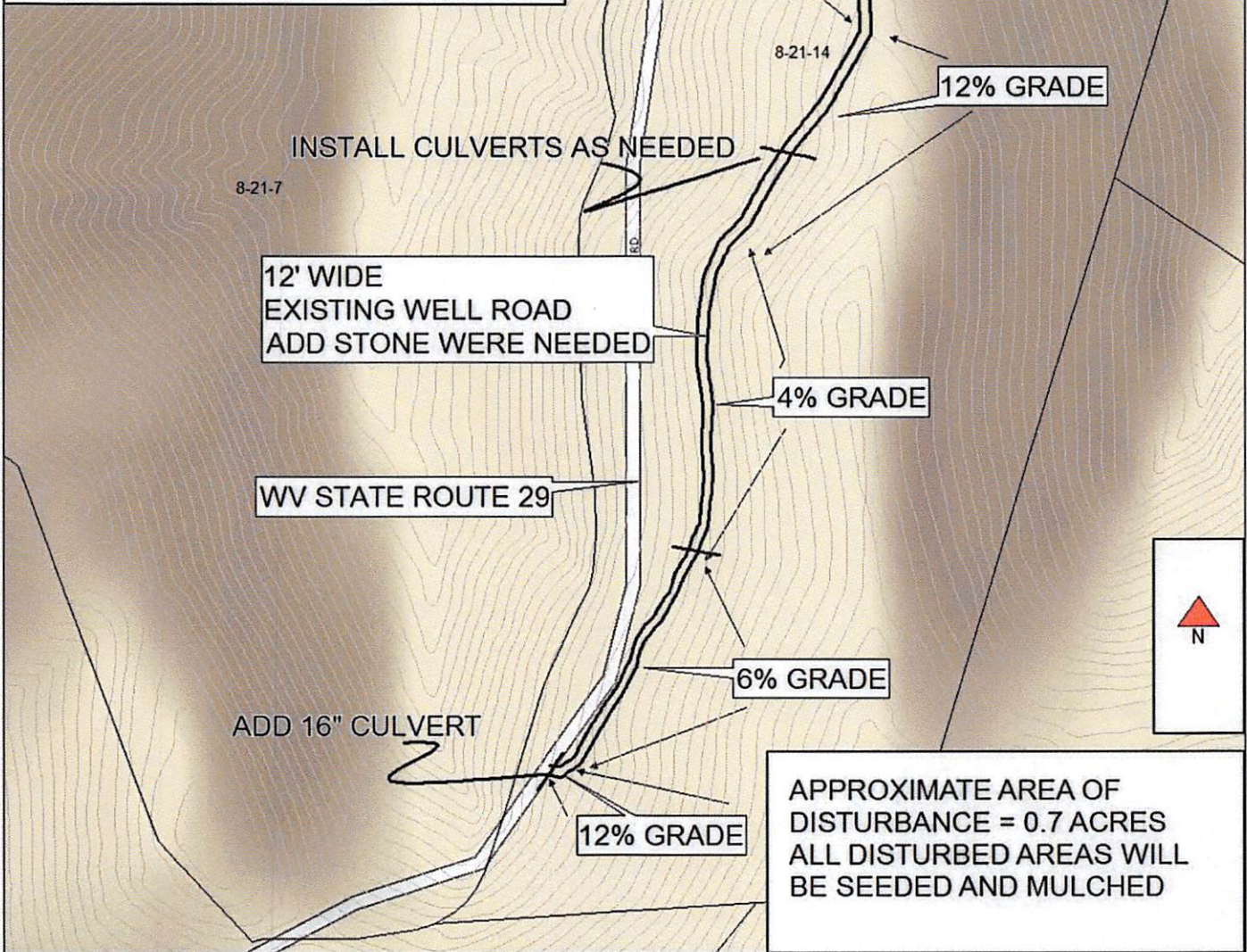
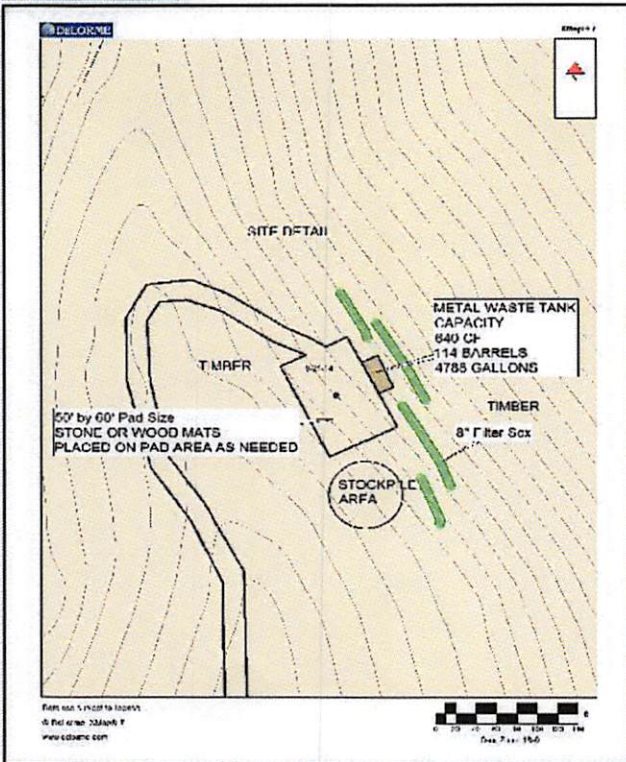
- Westmoreland Landfill (Tervita) – Belle Vernon, PA (Permit # 100277)
- Meadowfill Landfill (Waste Management) – Bridgeport, WV (Permit # SWF 103298)
- Max Environmental – Yukon, PA (PAD004835146 and 301071)
- Max Environmental – Bulger, PA (PAD059087072 and 301359)
- Chestnut Valley Landfill (Advanced Disposal) – Export, PA (Permit # 101421)

NNE plans to reuse and recycle all fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

- Fairmont Brine Processing (WV NPDES #0116408)
- Green Hunter M. E. Elder 1 Disposal Well (Permit # 47-085-05151)
- Green Hunter Mason 1 Disposal Well (Permit #47-085-09721)
- Green Hunter Warren Disposal Well (Permit #34-121-2-3995)
- Green Hunter Travis Unit Disposal Well (Permit #34-121-2-4086)
- Viking Energy Corporation 20320 Disposal Well (Permit#47-039-02210)
- Ohio Oil Gathering Killbuck Disposal Well (Permit #34-075-24527)
- Ohio Oil Gathering Moran Disposal Well (Permit #34-089-24792)
- Ohio Oil Gathering Bells Run Disposal Well (Permit #34-167-29395)
- Ohio Oil Gathering Long Run Disposal Well (Permit #34-167-29658)
- Ohio Oil Gathering Newell Run Disposal Well (Permit #34-167-29685)
- Appalachian Oil Purchaser Greens Run Disposal Well (Permit #2D0732540)
- Appalachian Oil Purchaser BW#4 Disposal Well (Permit # 2D0732523)

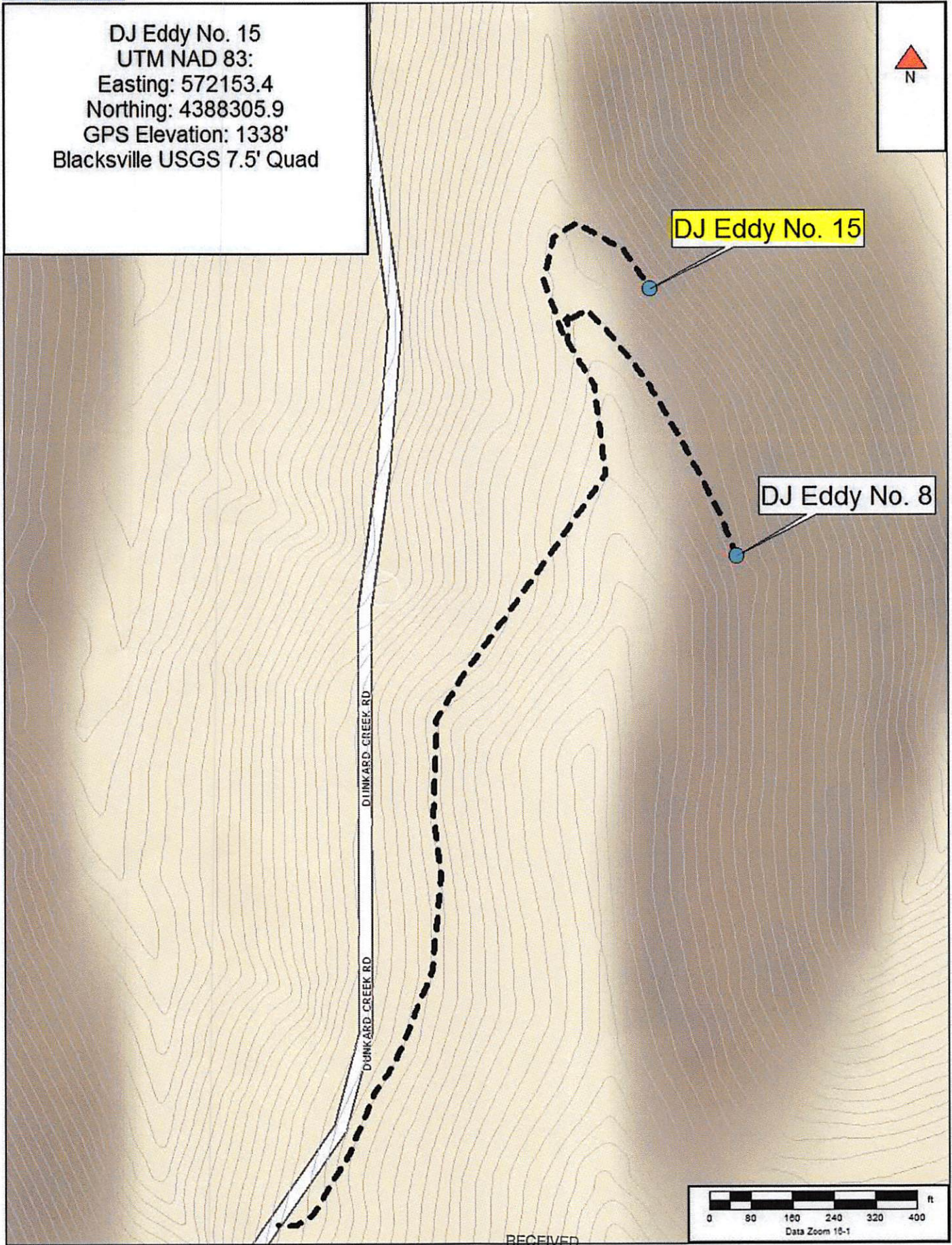
RECEIVED
Office of Oil and Gas
MAY 30 2017
WV Department of
Environmental Protection

WW-9 REC PLAN DJ EDDY NO. 15 061-00486



6100486 P

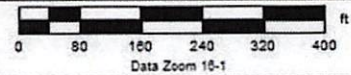
DJ Eddy No. 15
UTM NAD 83:
Easting: 572153.4
Northing: 4388305.9
GPS Elevation: 1338'
Blacksville USGS 7.5' Quad



DJ Eddy No. 15

DJ Eddy No. 8

DUNKARD CREEK RD



RECEIVED
Office of Oil and Gas

Data use subject to license.

© DeLorme. XMap® 7.

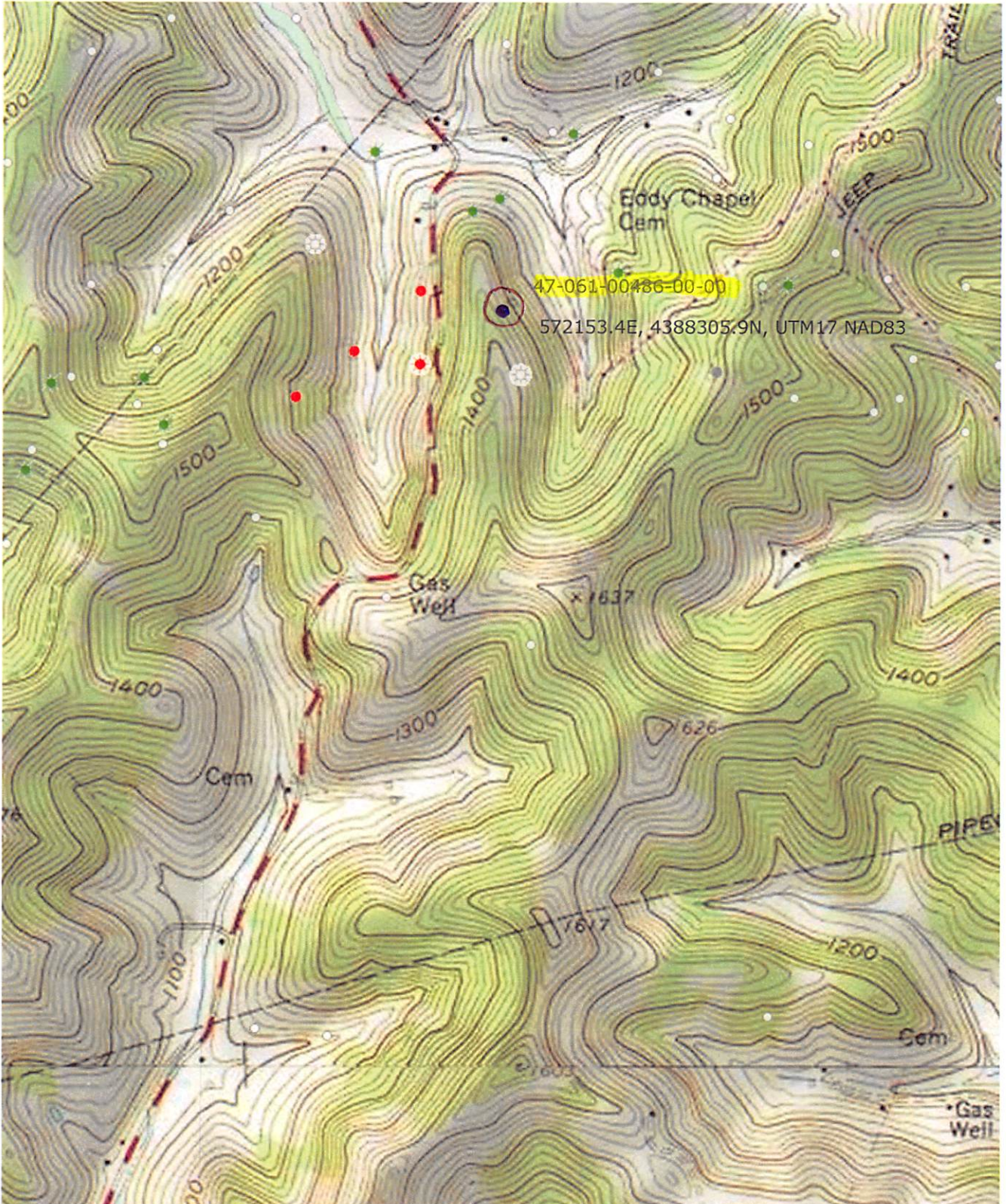
www.delorme.com

MAY 30 2017

WV Department of
Environmental Protection

06/23/2017

61 00486 P



06/23/2017

WW-7
8-30-06



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

API: 47-061-00486 WELL NO.: 15

FARM NAME: D.J. Eddy

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville, WV

SURFACE OWNER: Mr. Albert K. and Shirley Eddy

ROYALTY OWNER: Mark V. Eddy, et al

UTM GPS NORTHING: 4388305.9

UTM GPS EASTING: 572153.4 GPS ELEVATION: 1,338'

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS : Post Processed Differential
Real-Time Differential

Mapping Grade GPS : Post Processed Differential
Real-Time Differential

RECEIVED
Office of Oil and Gas

MAY 30 2017

WV Department of
Environmental Protection

- 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.

Signature

General Manager - Operations
Title

11 MAY 17
Date