



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

September 28, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6100518, issued to NNE RESOURCES LLC, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.


James Martin
Chief

Operator's Well No: 1
Farm Name: TENNANT, ALPHA
API Well Number: 47-6100518
Permit Type: Plugging
Date Issued: 09/28/2015

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.

6100578P

WW-4B
Rev. 2/01

1) Date 8/3, 2015
2) Operator's
Well No. Alpha Tennant 1
3) API Well No. 47-061 - 00518

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 X / Gas X / Liquid injection / Waste disposal /
(If "Gas, Production X or Underground storage) Deep / Shallow X
- 5) Location: Elevation 1070' Watershed Dunkard Creek
District Clay County Monongalia Quadrangle Blacksville
- 6) Well Operator NNE Resources LLC 7) Designated Agent Zack Arnold
Address 707 Virginia Street E., Suite 1200 Address 48 Donley Street, Ste 601
Charleston, WV 25301 Morgantown, West Virginia 26501
- 8) Oil and Gas Inspector to be notified Name Gayne Knitowski 9) Plugging Contractor Name TBD
Address P.O. Box 2 Address
Moundsville, WV 26041

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
- Ensure all necessary E&S controls are installed
- RIH with open ended tubing to determine PBTD
- 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
- Log well to determine casing and coal*
- Spot expandable cement from PBTD to 100' below coal to set a solid cement plug
- Set a solid cement plug ^{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
- Reclaim site

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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 8/10/2015

10/02/2015



northeast

NATURAL ENERGY

Alpha Tennant 1
Monongalia County, WV
API Number: 4706100518
AFE Number: TBD
Plugging Procedure

August 3, 2015

Discussion

Approval is requested to perform the initial plugging on the Alpha Tennant 1 Well. The Alpha Tennant 1 is a vertical well located in Monongalia County, WV. The Alpha Tennant 1 was drilled to a depth of 3,183' in June of 1895. Production from this well has been very low for numerous years. The Alpha Tennant 1 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 PBTB
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 PBTB to 100' below coal to set a solid cement plug
7. Set a solid cement plug 100' above coal
8. WOC expandable cement to harden
9. Top off well to surface with class A cement with no more than 3% CaCl₂ and no other additives
10. Place a well monument with API number
11. Reclaim site

Well Record Procedure

NNE Resources 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

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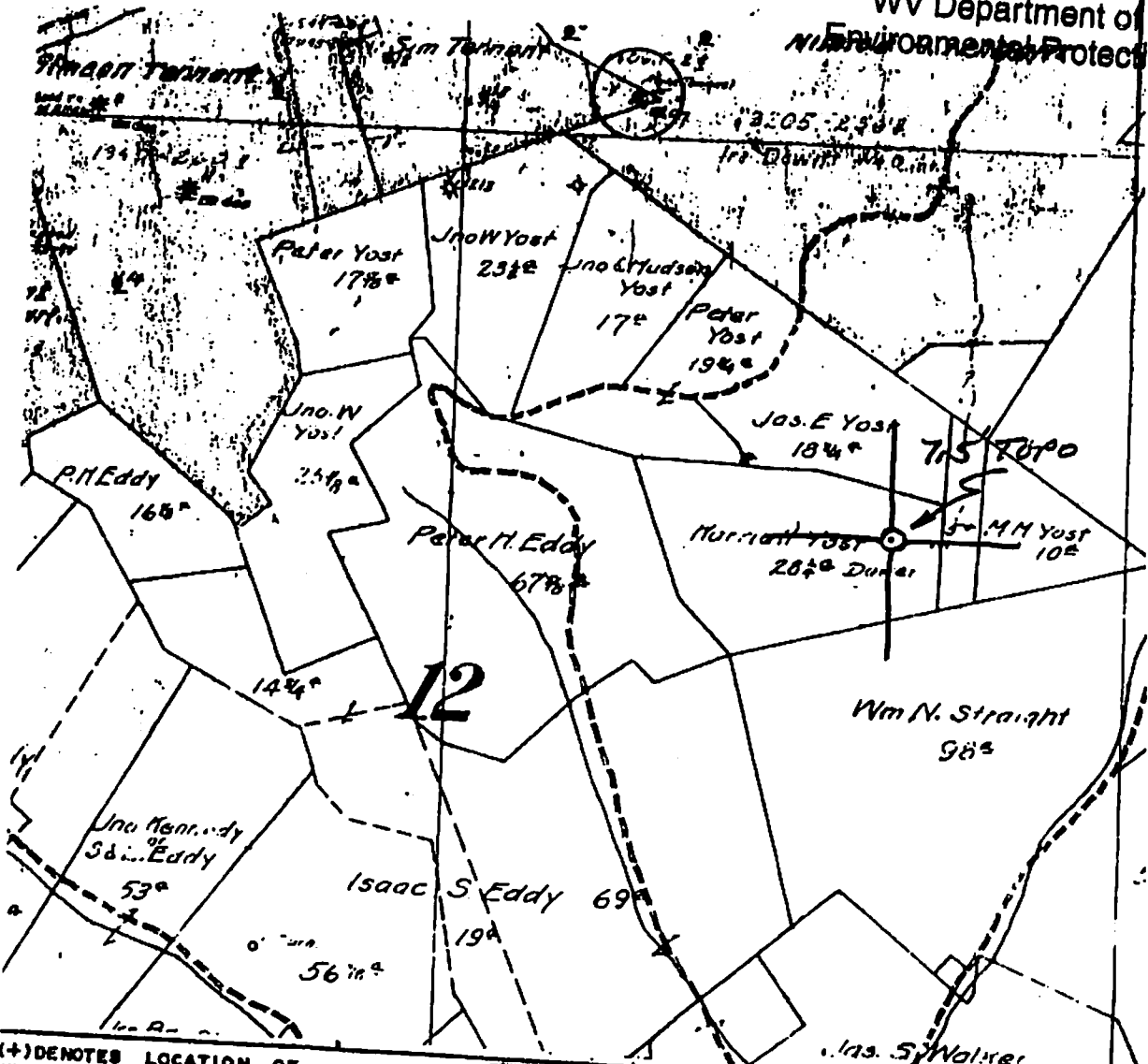
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WV Department of Environmental Protection



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)
 N62E N12 E25



DATE 1-25-1979
 OPERATOR'S WELL NO. 1979
 API WELL NO. 47-061-0518
 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 JAMES RUN
 DISTRICT CLAY COUNTY INDIAN GALL
 QUADRANGLE BLACKSVILLE 7.5
 SURFACE OWNER _____ ACREAGE _____
 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) _____
 PLUS AND ABANDON CLEAN OUT AND REFLUSH
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR Pennzoil Company
 ADDRESS P. O. Box 1588 DESIGNATED AGENT James A. Crews
Parkersburg, WV 26101 ADDRESS P. O. Box 1588
Parkersburg, WV 26101

10/02/2015

4706100518

6100578P

Well No. 1	D. D. Alpha Tennant		Farm	Acres
Lease No.	Blady		Morgan County W. Va. State	
Drilling Commenced Apr. 4, 1925		Contractor S. P. Blasing Out		Drilling Completed June 13, 1925
N. 13		E. 25		W.

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Pittsburgh Coal	506			
Big Injun Sand	1815	1965		
Stalled Drill Pipe			1900	
Sandy Sand	2288	2298		
Filled Foot Sand	2380	2400		
Filled Foot Sand	2461	2472		
Flow Gas	2628	2688		5/10 W-1/2"
Fourth Sand	2768	2777		
4 1/2 x 4" Liner			2767	
Filled Sand	2900	2915	2900	
Bald Sand	2942	2944	2942	
Salt	2942			
Total Depth		3183	3183	3/10 W-1"

Refer to Book 1 for first drilling

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

Put in Well	Pulled Out	Left in Well	Shot Date		
Size	Feet	In.	Feet	In.	Amount
8 1/4	872		6-20-25		20 lbs.
6 7/8	1545				Sand Injun
5 1/2	1815				Result
4 1/2	874				

Packer Size
Depth Set

Production First 24 Hours _____ Dbls. Gas Test 3/10 W-1"

Approved by J. W. Weaver Superintendent

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WV Department of
Environmental Protection

47-061-0518

WELL DATA

Location (Surface)	Lat. 39°38'10.90"	Long. -80°10'45.92"
TD		3,183'
PBTD		NA
Packer		NA
Marker Joint		NA

CASING AND TUBULAR DATA

STRING	SIZE	WEIGHT/GRADE	DEPTH	THREAD	TOC
Surface	10"	N/A	530'	N/A	N/A
Intermediate	8 1/4"	N/A	842'	N/A	N/A
Intermediate	6 5/8"	N/A	1,545'	N/A	N/A
Production	5 3/16"	N/A	1,815'	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.

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 5 miles
 Pass the small town of Core and turn left on Pedlar Run
 Stay left on that road
 At the top of Behler Hill turn right at the intersection
 Stay on that road until the road reaches an intersection
 Turn right and travel less than 1 mile
 Turn right onto Mt. Harmon Rd.
 Turn left onto Statler Run
 Travel about 2 miles and turn left onto Peter Eddy Rd.
 Well is in the yard of the last house

X 
 Gayle Kaitowski
 Inspectors Signature

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 Office of Oil & Gas

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10/02/2015

WW-4A
Revised 6-07

1) Date: 8/3/15
2) Operator's Well Number
Alpha Tennant 1

3) API Well No.: 47 - 061 - 00518

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>Holmes, Samuel A & Rachel Rae</u> ✓	Name <u>Consolidation Coal Company Attn:Analyst</u> ✓
Address <u>135 Peter Eddy Rd</u>	Address <u>CNX Center, Engineering and Operations Support-Coal</u>
<u>Fairview, WV, 26570</u>	<u>1000 CONSOL Energy Drive. Canonsburg, PA 15317-6506</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2</u>	Name _____
<u>Moundsville, WV 26041</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

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Office of Oil & Gas

Well Operator	<u>NNE Resources LLC</u>	<u>AUG 10 2015</u>
By:	<u>Zack Arnold</u>	
Its:	<u>General Manager-Operations</u>	
Address	<u>707 Virginia Street E., Suite 1200</u>	
	<u>Charleston, WV 25301</u>	
Telephone	<u>304-241-5752</u>	

Subscribed and sworn before me this 6th day of August, 2015
[Signature] Notary Public
My Commission Expires January 28, 2020



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.

SURFACE OWNER WAIVER

Operator's Well
Number

Alpha Tennant 1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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

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

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

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION

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Samuel A. Holmes Date 8/11/15 Name _____
 Signature By _____
 Its Date _____

Signature

Date
10/02/2015

WW-9
(2/15)

API Number 47 - 061 - 00518
Operator's Well No. Alpha Tennant 1

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
- 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 _____)

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

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 August 1, 2005, 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 of the penalties for submitting false information, including the possibility of fine or imprisonment.

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AUG 20 2015

Company Official Signature [Signature]

Company Official (Typed Name) Zack Arnold

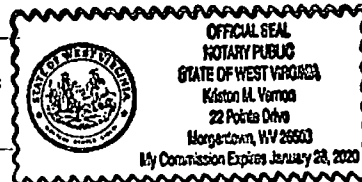
Company Official Title General Manager-Operations

WV Department of Environmental Protection

Subscribed and sworn before me this 19th day of August, 20 15

[Signature] Notary Public

My commission expires January 28, 2020



10/02/2015

Form WW-9

Operator's Well No. Alpha Tennant 1

Proposed Revegetation Treatment: Acres Disturbed .2 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:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: Inspection

Date: 8/10/2015

Field Reviewed? Yes No

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Attachment A to WW-9

Northeast Natural Energy LLC ("NNE") plans to utilize a closed loop process for its drilling of the Alpha Tennant 1 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.

Alpha Tennant 1 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 flowback 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)

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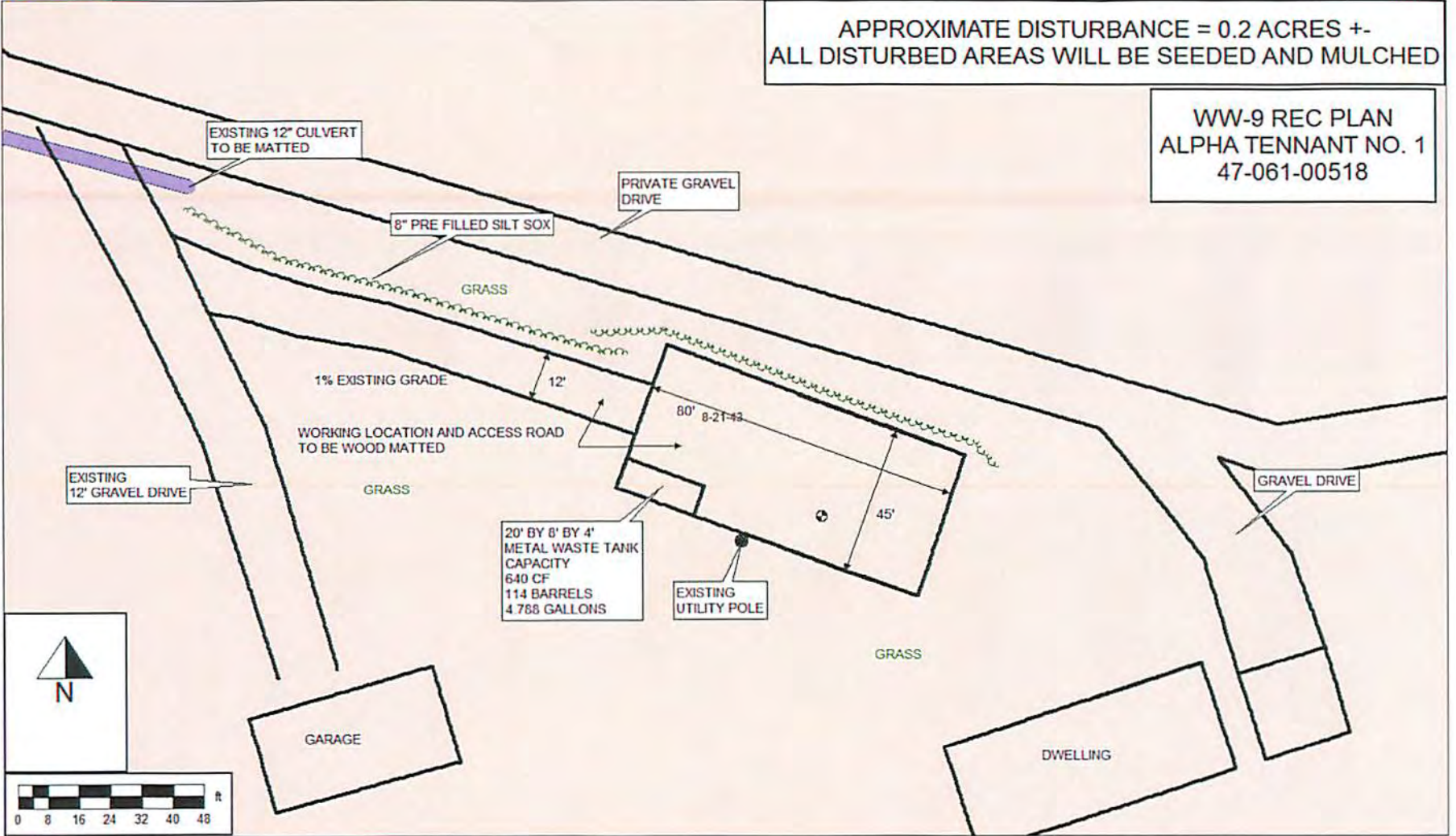
AUG 20 2015

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Environmental Protection

10/02/2015

APPROXIMATE DISTURBANCE = 0.2 ACRES +/-
ALL DISTURBED AREAS WILL BE SEEDED AND MULCHED

WW-9 REC PLAN
ALPHA TENNANT NO. 1
47-061-00518



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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin
Governor

Paul A. Mattox, Jr., P. E.
Secretary of Transportation/
Commissioner of Highways

August 21, 2015

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the Alpha Tennant No. 1 Well Site, Monongalia County

Dear Mr. Martin,

Northeast Natural Energy LLC has been issued permit #04-2015-0839 to access the State Road for a well site located off of Monongalia County Route 27/5 SLS.

The operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

Cc: Dave McDougal
Northeast Natural Energy Corporation
CH, OM, D-4
File

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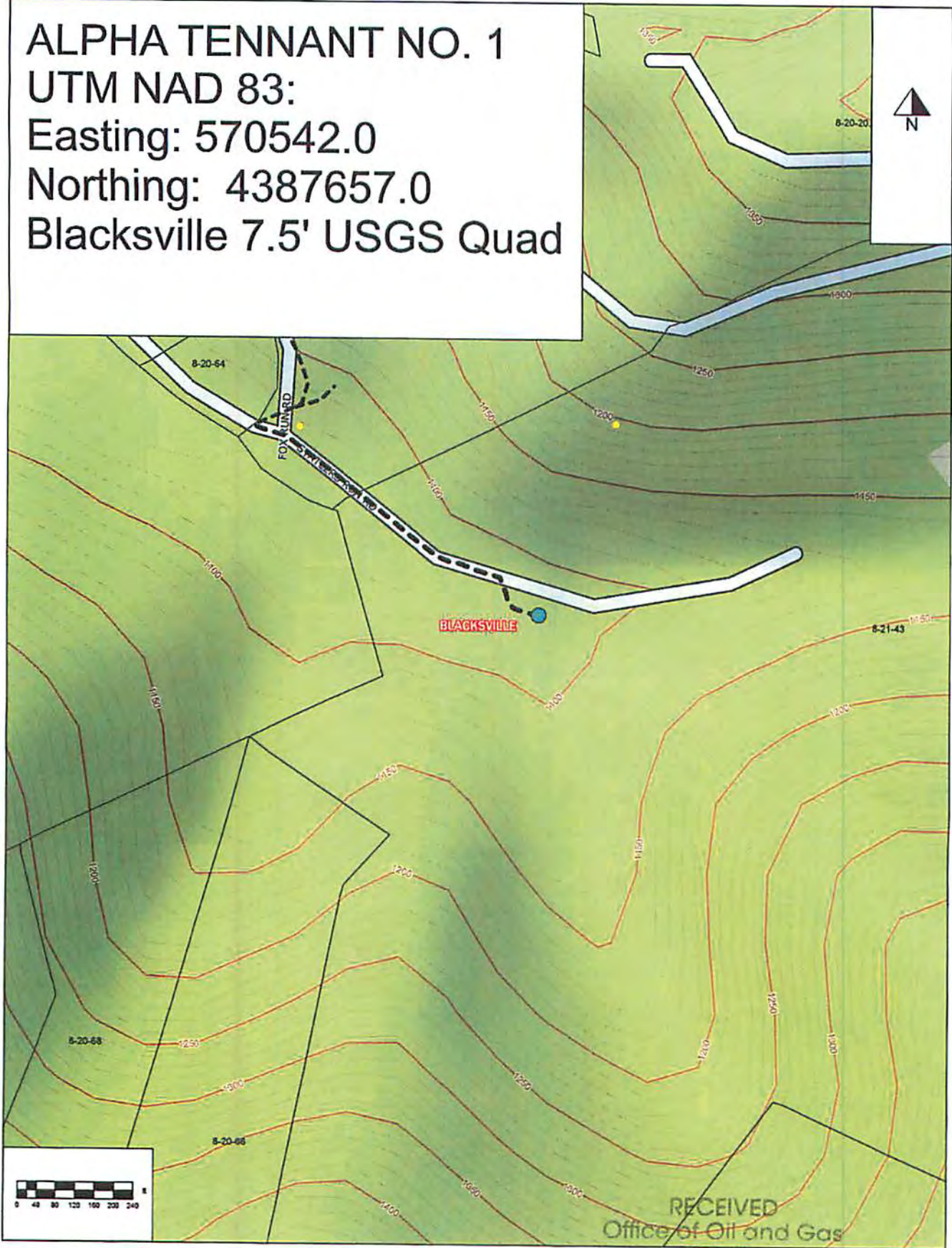
AUG 24 2015

WV Department of
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XMap® 7

ALPHA TENNANT NO. 1
 UTM NAD 83:
 Easting: 570542.0
 Northing: 4387657.0
 Blacksville 7.5' USGS Quad



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www.delorme.com

SEP 28 2015

WV Department of Environmental Protection 10/02/2015

WW-7
8-30-06



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

API: 47-061-00518 WELL NO.: 1
FARM NAME: Alpha Tennant
RESPONSIBLE PARTY NAME: NNE Resources LLC
COUNTY: Monongalia DISTRICT: Clay
QUADRANGLE: Blacksville, WV
SURFACE OWNER: Samuel A. and Rachel Rae Holmes
ROYALTY OWNER: E. Pauline Jackson et al
UTM GPS NORTHING: 4387657.0
UTM GPS EASTING: 570542.0 GPS ELEVATION: 1070'

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 : Post Processed Differential
Real-Time Differential

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SEP 28 2015

WV Department of
Environmental Protection

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 M. Medley
Signature

Regulatory Coordinator
Title

9/25/2015
Date