



west virginia department of environmental protection

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

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

Friday, August 25, 2017  
WELL WORK PERMIT  
Horizontal / Re-Work

ALLIED ENERGY, INC.  
35 RIDGEWOOD BLVD

BELPRE, OH 45714 000

Re: Permit approval for VALENTINE # 4  
47-085-09974-00-00

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: VALENTINE # 4  
Farm Name: MEIZ, PAUL D. ,BETTY W.  
U.S. WELL NUMBER: 47-085-09974-00-00  
Horizontal / Re-Work  
Date Issued: 8/25/2017

Promoting a healthy environment.

08/25/2017

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## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced, drilling ceased, completion of any other permitted well work and completion of the well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov) within 30 days of commencement of drilling.

Re-Work

47-085-09974 W  
sk# 1163  
\$ 65000

WW - 2B  
(Rev. 8/10)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: ALLIED ENERGY, INC. 

309558	085-Ritchie	02-Grant	544-Petroleum
Operator ID	County	District	Quadrangle

2) Operator's Well Number: Valentine #4 3) Elevation: 679'

4) Well Type: (a) Oil  or Gas   
(b) If Gas: Production  / Underground Storage \_\_\_\_\_  
Deep \_\_\_\_\_ / Shallow

5) Proposed Target Formation(s): Berea Proposed Target Depth: 2650'

6) Proposed Total Depth: 3000' Feet Formation at Proposed Total Depth: Berea

7) Approximate fresh water strata depths: 15' see offset well 09955

8) Approximate salt water depths: none detected see offset well 09955

9) Approximate coal seam depths: 310', 990', 1030', 1300 see offset well 09955

Michael Jeff  
7-11-2016

10) Approximate void depths, (coal, Karst, other): N/A on offset

11) Does land contain coal seams tributary to active mine? No

gram  
on  
8/24/17

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)  
Well not completed. Re-work to TD of ~3000', CTS, run electric log to identify producing formations, perf casing as identified, conduct slick water, 3 stage, 4000 bbk frac in appropriate formations.

[MAY PULL 4 1/2", LOG WELL, RUN 4 1/2" CASING, CEMENT & PERFORATE & FRACK]

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13 3/8'	H	48#	80'	80'	sanded in
Fresh Water	9 3/8"	A-500	26#	305'	305'	CTS
Coal	7"	A-500	17#	715'	715'	CTS
Intermediate						
Production	4 1/2"	J-55	10.5#	2800'	2800'	NOT CEMENTED
Tubing						
Liners						RECEIVED Office of Oil and Gas

Packers: Kind: \_\_\_\_\_  
Sizes: \_\_\_\_\_  
Depths Set \_\_\_\_\_

JUL 31 2017

WV Department of  
Environment 08/25/2017

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

Mailed to OOG  
on 3 July 2017

API 47-085-09974 County 085-Ritchie District 02-Grant  
Quad 544-Petroleum Pad Name \_\_\_\_\_ Field/Pool Name \_\_\_\_\_  
Farm name Betty W. Metz Well Number Valentine #4  
Operator (as registered with the OOG) ALLIED ENERGY, INC.  
Address 35 Ridgewood Blvd City Belpre State OH Zip 45714-8218

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing \_\_\_\_\_ Easting \_\_\_\_\_

Elevation (ft) 679' GL Type of Well  New  Existing Type of Report  Interim  Final



Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow

Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate

Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_

Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_

Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine

Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s)  
\_\_\_\_\_  
\_\_\_\_\_

Date permit issued 08/29/2012 Date drilling commenced \_\_\_\_\_ Date drilling ceased \_\_\_\_\_

Date completion activities began \_\_\_\_\_ Date completion activities ceased WELL NOT COMPLETED

Verbal plugging (Y/N) \_\_\_\_\_ Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 15' Open mine(s) (Y/N) depths \_\_\_\_\_

Salt water depth(s) ft No Void(s) encountered (Y/N) depths \_\_\_\_\_

Coal depth(s) ft 610, 990, 1030, 1300 see offset Cavern(s) encountered (Y/N) depths \_\_\_\_\_

Is coal being mined in area (Y/N) No

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No  
No

JUL 31 2017

Reviewed by:

WV Department of  
Environmental Protection  
08/25/2017

PERMIT WAS FOR HORIZONTAL, BUT VERTICAL WAS DRILLED.  
JMM

WR-35  
Rev. 8/23/13

API 47- 8509974 Farm name Valentine Well number 4

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface	12 1/4	9 5/8	305				
Coal							
Intermediate 1	8 7/8	7"	715	NEW			
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	A	115	15.6	1.18	135.7	CTS	
Coal							
Intermediate 1	A	120	15.2	1.26	151.2	CTS	
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) \_\_\_\_\_ Loggers TD (ft) \_\_\_\_\_  
 Deepest formation penetrated \_\_\_\_\_ Plug back to (ft) \_\_\_\_\_  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) \_\_\_\_\_

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

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Office of Oil and Gas

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

AUG 24 2017

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS No production

WV Department of Environmental Protection

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

API 47-085 - 09974 Farm name Betty W. Metz Well number Valentine #4

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					Well not completed

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.

API 47- 085 - 09974 Farm name Betty W. Metz Well number Valentine #4

PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface \_\_\_\_\_ psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW Gas \_\_\_\_\_ mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

Please insert additional pages as applicable.

Drilling Contractor Ralph Carr, Drilling Consultant  
Address c/o Allied Energy, Inc.; P.O.Box 401 City Petroleum State WV Zip 26160401

Logging Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Cementing Company Formation Cementing Inc.  
Address P.O./Box 2667 City Zanesville State OH Zip 43702-2667

Stimulating Company Producers Service Corporation  
Address 109 South Graham Street City Zanesville State OH Zip 43701

Please insert additional pages as applicable.

Completed by David W. Wiggers, Agent Telephone (740) 423-8820  
Signature David W. Wiggers Title Bookkeeper/Agent Date 3 July 2017

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JUL 31 2017

WW-2A  
(Rev. 6-14)

1). Date: 28 Jun 2017  
2.) Operator's Well Number Valentine #4  
State County Permit  
3.) API Well No.: 47- 085 - 09974

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:  
(a) Name Betty W. Metz  
Address 95 Paul Metz Lane  
Petroleum, WV 26161-6441  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
5) (a) Coal Operator  
Name N/A  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name N/A  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name N/A  
Address \_\_\_\_\_  
6) Inspector Michael Goff  
Address P.O. Box 134  
Pullman, WV 26421-0134  
Telephone [304] 549-9823

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

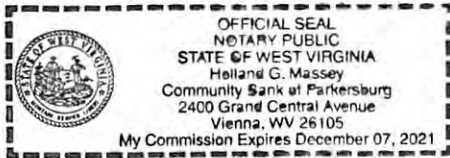
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_ on the above named parties by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.



Well Operator ALLIED ENERGY, INC.  
By: David W Wiggers  
Its: David W. Wiggers, Agent  
Address: 35 Ridgewood Blvd  
Belpre, OH 45714-8218  
Telephone: [740] 423-8820  
Email: dwwiggers@yahoo.com

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JUL 31 2017  
WV Department of  
Environmental Protection

Subscribed and sworn before me this 3 day of July, 2017

Holland G Massey Notary Public  
My Commission Expires Dec 7, 2021

**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](mailto:depprivacyofficer@wv.gov)

08/25/2017



8509974W

WW-70  
Rev. 7/01

Well Name: Valentine #4  
API: 47-085-09974

**Affidavit of Personal Service**

State of West Virginia  
County of Wood

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Office of Oil and Gas

JUL 31 2017

WV Department of  
Environmental Protection

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of –  
(1) Notice on Form WW-2(A) X / WW-3(A) \_\_\_ / WW-4(A) \_\_\_ / WW-5(A) \_\_\_  
(2) Application on Form WW-2(B) X / WW-3(B) \_\_\_ / WW-4(B) \_\_\_ / WW-5(B) \_\_\_ / WW-6(B) \_\_\_  
(3) Plat showing the well location on Form WW-6, and  
(4) Construction and Reclamation Plan on Form WW-9  
– all with respect to operator's Well No. Valentine #4, located in Grant District, Ritchie County, West Virginia, upon the person or organization named –  
Betty W. Metz  
– by delivering the same in Ritchie County, State of West Virginia on the 23<sup>rd</sup> day of May, 2017 in the manner specified below.

(COMPLETE THE APPROPRIATE SECTION)

**For an individual:**

Handing it to him \_\_\_ / her X / or, because he \_\_\_ / she \_\_\_ / refused to take it when offered it, by leaving it in his \_\_\_ / her \_\_\_ / presence.

Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

**For a partnership:**

Handing it to \_\_\_\_\_, a partner of the partnership or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

**For a limited partnership:**

Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

**For a corporation:**

Handing it to the corporation's employee \_\_\_ / officer \_\_\_ / director \_\_\_ / attorney in fact \_\_\_ / named \_\_\_\_\_.

David W Wiggers  
(Signature of person executing service)

Taken, subscribed and sworn before me this 23 day of May, 2017.

My commission expires: 12-7-2021

Holland G. Massey  
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



08/25/2017

WW-2A Surface Waiver  
(4/16)

**SURFACE OWNER WAIVER**

County 085-Ritchie

Operator ALLIED ENERGY, INC.  
Operator well number Valentine #4

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (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 57<sup>th</sup> 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 **FIFTEEN (15) 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.**

**List of Water Testing Laboratories.** The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

FOR EXECUTION BY A CORPORATION, ETC.

Betty W Metz  
Signature

Date 7/3/17

Company Name  
By  
Its

RECEIVED  
Office of Oil and Gas  
Date

JUL 31 2017

Signature WV Department of Environmental Protection Date

08/25/2017

Betty W. Metz  
Print Name

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Betty W. Metz	Allied Energy, Inc.	12.5%	247/913

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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JUL 31 2017

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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: David W Wiggers  
 ALLIED ENERGY, INC.  
 By: Its: David W. Wiggers, Agent

8509974w

WW-9  
(5/16)

API Number 47 - 085 - 09974  
Operator's Well No. Valentine #4

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

Operator Name ALLIED ENERGY, INC. OP Code 309558  
Watershed (HUC 10) Goose Creek Quadrangle 544-Petroleum

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 \_\_\_\_\_ )
- Reuse (at API Number 47-085-09955 Tanks will be used to haul slick water to wellsite, then re-used)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: No

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

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? \_\_\_\_\_

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 David W Wiggers RECEIVED Office of Oil and Gas

Company Official (Typed Name) ALLIED ENERGY, INC., David W. Wiggers JUL 31 2017

Company Official Title Agent

Subscribed and sworn before me this 3 day of July, 2017

Holland G Massey

Notary

My commission expires Dec 7, 2021

WV Department of Environmental Protection

OFFICIAL SEAL  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
Holland G. Massey  
Community Bank of Parkersburg  
2400 Grand Central Avenue  
Parkersburg, WV 26101  
My Commission Expires December 07, 2021

08/20/2017

Proposed Revegetation Treatment: Acres Disturbed Less than one acre Prevegetation pH 6.0

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 600 lbs/acre

Mulch 90 bales Tons/acre

**Seed Mixtures**

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>Contractors Mix</u>	<u>100</u>	<u>Contractors Mix</u>	<u>100</u>
_____	_____	_____	_____
_____	_____	_____	_____

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

Photocopied section of involved 7.5' topographic sheet.

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

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OK gwm

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Field Reviewed? ( ) Yes ( ) No

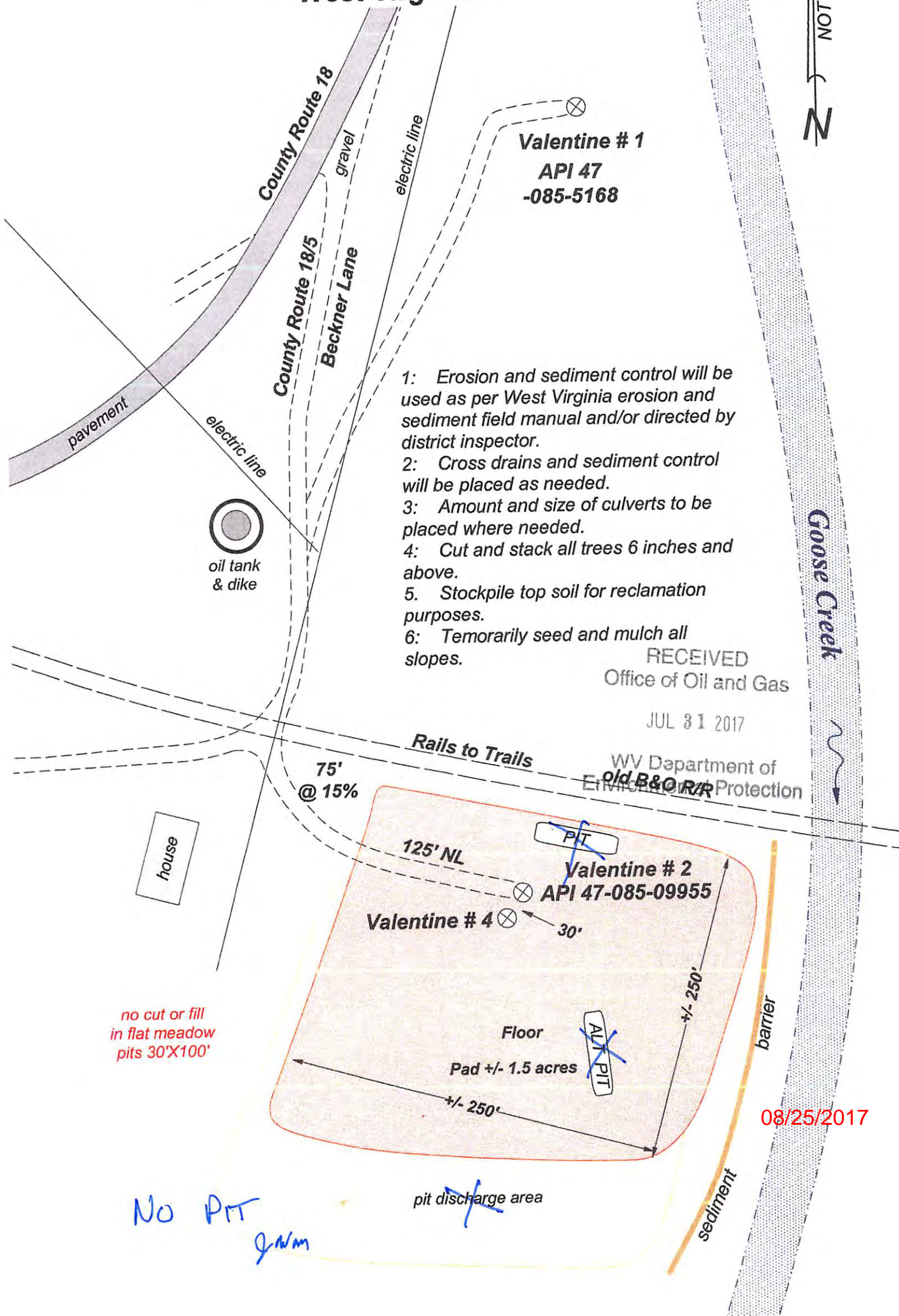
RECEIVED  
Office of Oil and Gas  
JUL 31 2017

WV Department of  
Environmental Protection  
08/25/2017

8509974W

**Allied Energy, Inc.**  
**Well: Valentine # 4**  
**Florence Valentine 111.5 Acre Lease**  
**Grant District Ritchie County**  
**West Virginia**

NOT TO SCALE



- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

RECEIVED  
 Office of Oil and Gas  
 JUL 31 2017

WV Department of Environmental Protection  
 Old B&O RR

no cut or fill  
 in flat meadow  
 pits 30'X100'

08/25/2017

NO PIT  
 gnm

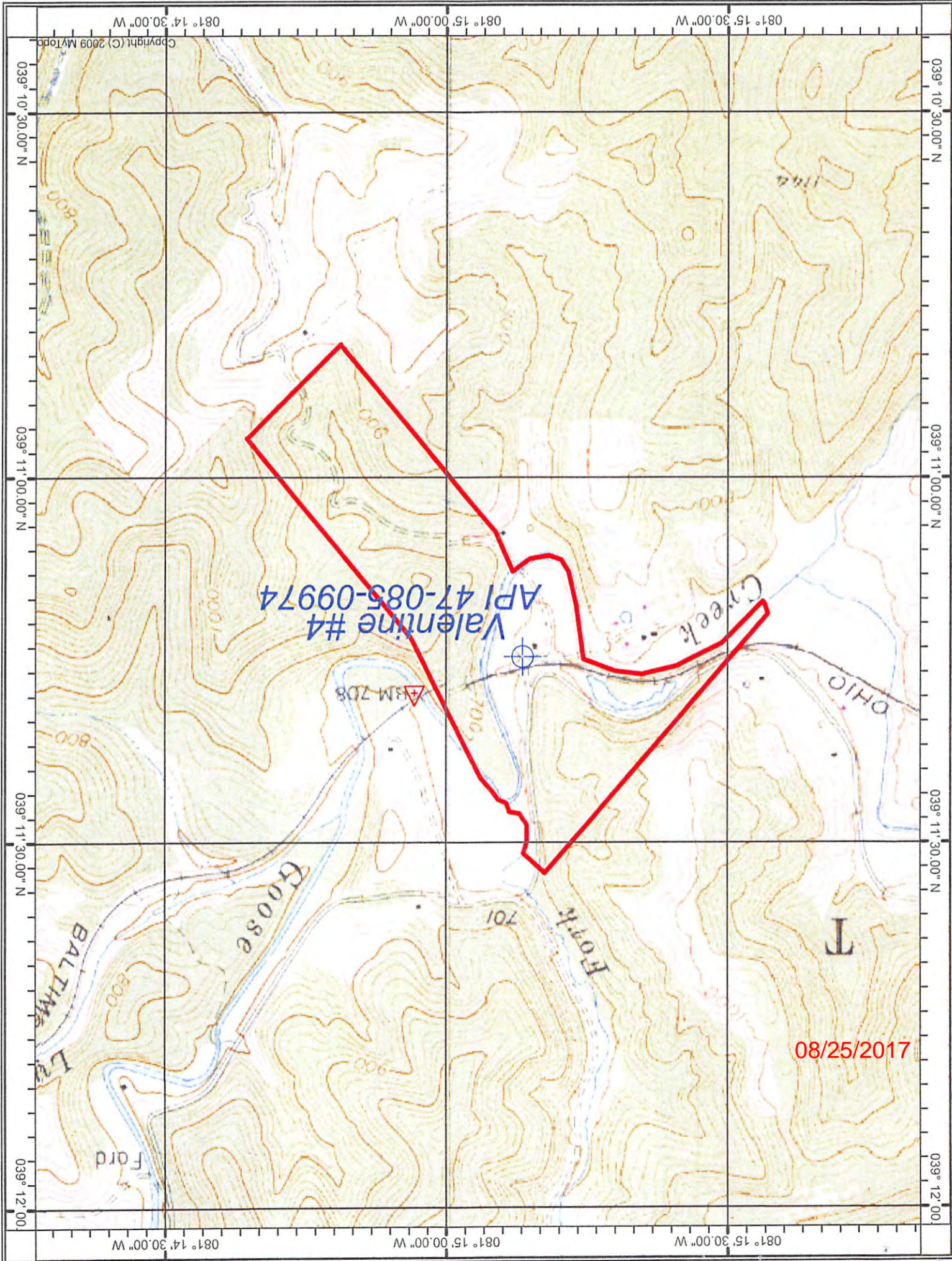
~~pit discharge area~~

RECEIVED  
Office of Oil and Gas  
JUL 31 2017  
WV Department of Environmental Protection  
FLORENCE VALENTINE 111.5 ACRE LEASING  
WV Department of Environmental Protection  
GRANT DISTRICT RITCHIE COUNTY WEST VIRGINIA

# ALLIED ENERGY, INC.

SCALE 1" = 1000'

## PETROLEUM QUADRANGLE



8509974 W

top hole 81°15' 06.02" (81.251672)

460

well plat location

# FLORENCE VALENTINE 111.15 ACRE LEASE

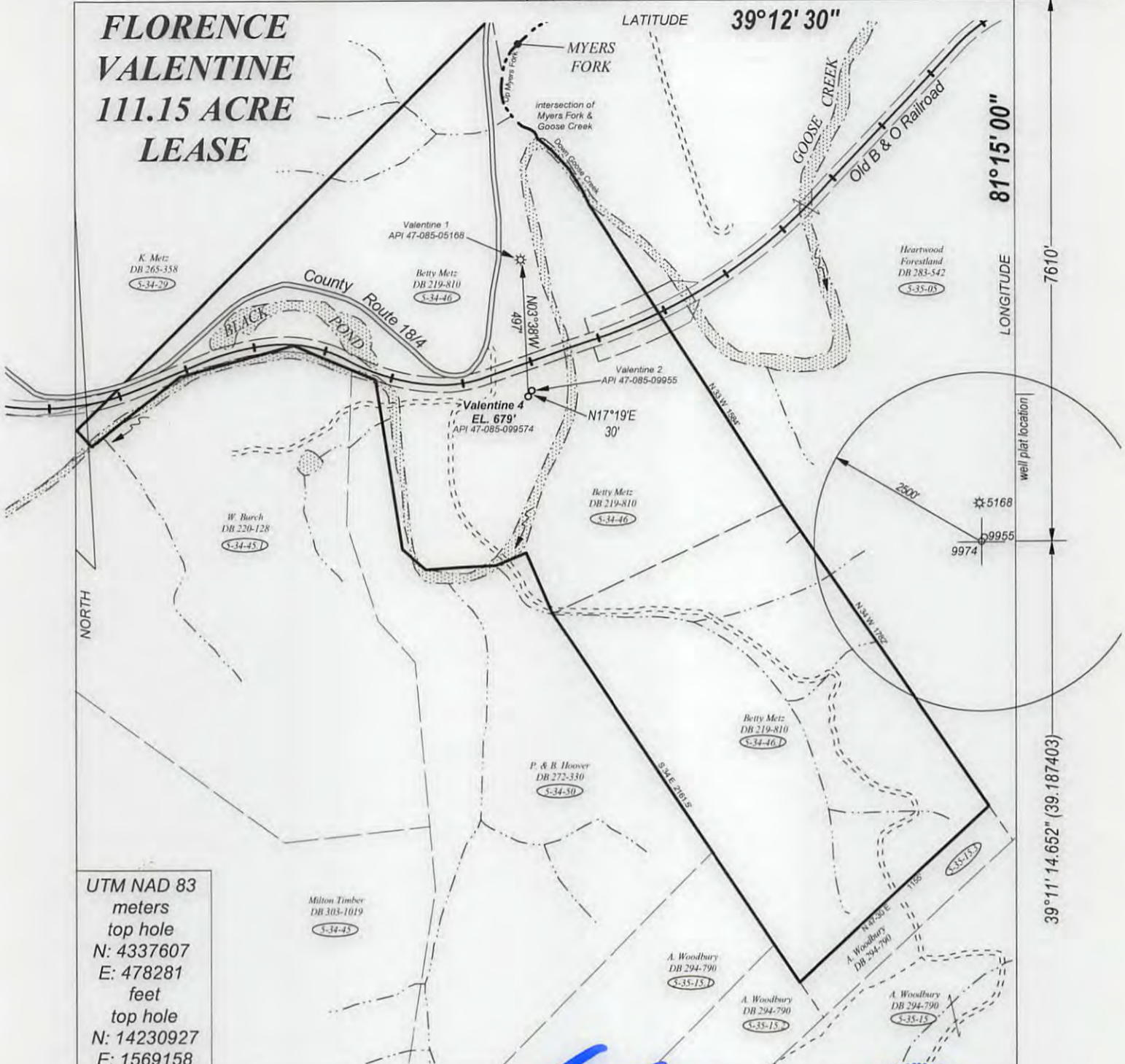
LATITUDE 39°12' 30"

LONGITUDE 81°15' 00"

7610'

well plat location

39°11' 14.652" (39.187403)

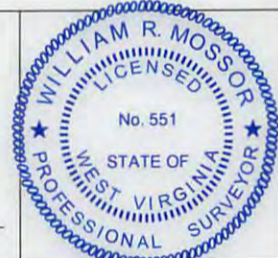


UTM NAD 83  
meters  
top hole  
N: 4337607  
E: 478281  
feet  
top hole  
N: 14230927  
E: 1569158

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 600'  
MINIMUM DEGREE  
OF ACCURACY 1 : 200  
PROVEN SOURCE  
OF ELEVATION GPS  
OBSERVATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENERGY.

(SIGNED) \_\_\_\_\_  
PROFESSIONAL SURVEYOR: 551



**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

DATE DECEMBER 14TH, 2014  
OPERATORS WELL NO. VALENTINE 4

API 47 - 085 -09974<sup>W</sup>  
STATE COUNTY PERMIT

WELL TYPE: OIL XX GAS XX LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF GAS) PRODUCTION XX STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW XX

LOCATION: ELEVATION 679' WATER SHED GOOSE CREEK  
DISTRICT GRANT COUNTY RITCHIE QUADRANGLE PETROLEUM

SURFACE OWNER BETTY W. METZ ACREAGE 66.52  
OIL & GAS ROYALTY FLORENCE VALENTINE LEASE AC. 111.5

PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_  
FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_  
PERFORATE NEW FORMATION \_\_\_\_\_ CEMENT UP HOLE TO BOTTOM OF GANTZ,  
OTHER PHYSICAL CHANGE IN WELL \_\_\_\_\_ BOND LOG, PERF. EACH FORMATION & COMPLETE  
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_

TARGET FORMATION BIG INJUN, BEREA, & GANTZ ESTIMATED DEPTH BIG INJUN 1600' TO 1690'  
BERE 2097' TO 2112'  
GANTZ 2214' TO 2234'

WELL OPERATOR ALLIED ENERGY, INC. DESIGNATED AGENT JON M. MAKEEVER  
ADDRESS P. O. BOX 3005 ADDRESS 273 MAIN ST, P.O. BOX 401  
SARATOGA, CA 95070 CAIRO, WV 26337-0401

08/25/2017

FORM WW - 6

COUNTY NAME

PREMIT