



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, May 24, 2017
WELL WORK PERMIT
Vertical / Fracture

ALLIED ENERGY, INC. (A)
35 RIDGEWOOD BLVD

BELPRE, OH 45714 000

Re: Permit approval for 1
47-085-05123-00-00

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: 1
Farm Name: WALLER
U.S. WELL NUMBER: 47-085-05123-00-00
Vertical / Fracture
Date Issued: 5/24/2017

Promoting a healthy environment.

05/26/2017

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. 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 within 30 days of commencement of drilling.

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. R1-5123

Oil or Gas Well

Company Farrell Prior

Address _____

Farm Waller

Well No. 1

District Grant County Polk

Drilling commenced 4-1-81

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu Ft.

Block pressure _____ lbs _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8 1/2			
6 1/2			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 8 1/2 SIZE 127 No. FT. _____ Date _____

Low To Surface

NAME OF SERVICE COMPANY Dowell

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

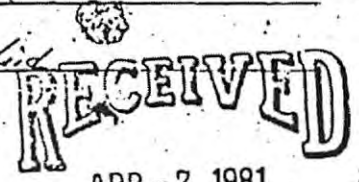
_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Sounders - (T.P.)

Cont - Gene Stolman, Inc Rating - Chief

Remarks:



APR - 7 1981

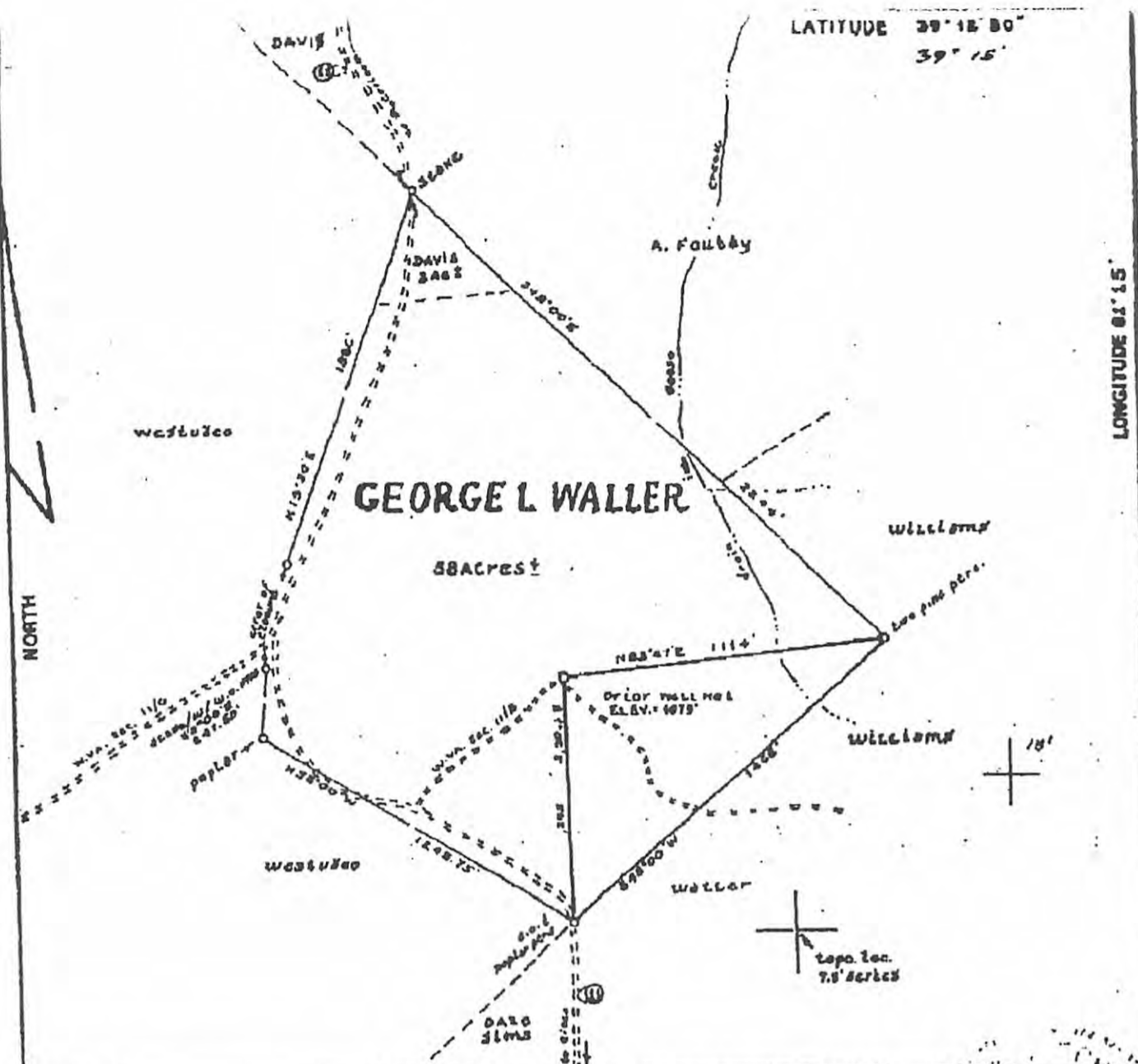
OIL & GAS DIVISION
DEPT. OF MINES

204 - 1540

W. J. Sounders U.S.A.S.
DISTRICT WELL INSPECTOR

4-3-81
DATE

8505123W



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/800'
 PROVEN SOURCE OF ELEVATION MAPS
11/11/6 250' W. OF LOC. ELEV. 1112'

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 MINES.

(SIGNED) Mark C. Echard
 MARK C. ECHARD

R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE MARCH 16, 1981
 OPERATOR'S WELL NO. 085
 API WELL NO. 47-085-5123
 STATE WEST VIRGINIA COUNTY PUTNAM PERMIT 5123

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 1079' WATER SHED 00076 CREEK
 DISTRICT GRANT COUNTY PUTNAM
 QUADRANGLE PETROLIUM 7.8
 SURFACE OWNER GEORGE L. WALLER ACREAGE 58.2
 OIL & GAS ROYALTY OWNER GEORGE L. WALLER LEASE ACREAGE 58.2
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION WOODRUFF SHALE ESTIMATED DEPTH 4500'
 WELL OPERATOR FERRILL L. PRIOR DESIGNATED AGENT MR. FERRILL L. PRIOR
 ADDRESS P.O. BOX 1486 ADDRESS P.O. BOX 1486
PARKERSBURG, W.VA. 26101 PARKERSBURG, W.VA. 26101

05/26/2017

Received
 Office of Oil & Gas

MAY 8 2011



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Petroleum 7.5
Permit No. 085-5123

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. X _____
Water Flood _____ Storage _____
Disposal _____ (Rand)

Company Ferrell Prior
Address P.O. Box 1486, Parkersburg, W. Va.
Farm Waller No. 1 Area 58
Location (waters) Goose Creek
Well No. 1 Elev. 1079
District Grant County Ritchie
The surface of tract is owned in fee by George L. Waller
Address Rt. 1, Petroleum, W. Va.
Mineral rights are owned by George L. Waller Address Rt. 1, Petroleum, W. Va.
Drilling Commenced 4/1/81
Drilling Completed 4/9/81
Initial open flow 854,000 cu. ft. Show bbls.
Final production 854,000 ft. per day Show bbls.
Well open 4 hrs. before test 800 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (31a.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	250	250	
7			
3 1/2			
4 1/2		3851	
3			
2			
Liners Used			

Well treatment details:

Frac 5/15/81 with 500 gal 15% HCL & 900,000 SCP. N2

Attach copy of cementing record.

Coal was encountered at N/A Feet _____ Inches _____
Fresh water 50 Feet _____ Salt Water _____ Feet _____
Producing Sand BROWN SHALE Depth 3630 - 3832

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	10		
Sand			10	35		
Shale & Red Rock			35	565		
Sand			565	606		
Shale & Red Rock			606	940		
Sand			940	1020		
Shale			1020	1080		
Sand			1080	1160		
Shale			1160	1425		
Sand			1425	1495		
Shale			1495	1605		
Sand			1605	1768		
Lime			1768	1782		
Sand & Shale			1782	1958		
Shale			2348	2352		
Sandy Shale			2352	3630		
Brown Shale			3630	3835		Show of Gas
Shale			3835	3886		
Total Depth			3886			

* Indicates Electric Log tops in the remarks section.

(over)

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Office of Oil and Gas
MAY 8 2017
WV Department of
Environmental Protection

WW-2A
(Rev. 6-14)

1). Date: _____
2.) Operator's Well Number Waller #1
State County Permit
3.) API Well No.: 47- 085 - 05123

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 Thomas C. Schoolcraft ✓
Address 2670 Petroleum Road
Petroleum, WV 26161-6456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Michael D. Goff
Address 1723 Auburn Road
Pullman, WV 26421-8003
Telephone [304] 549-9823

5) (a) Coal Operator
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address RECEIVED
Office of Oil and Gas
Name _____
Address MAY 8 2017
(c) Coal Lessee with Declaration
Name _____
Address _____
WV Department of
Environmental Protection

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

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

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

Subscribed and sworn before me this 21 day of April, 2017

Holland 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

05/26/2017

WW-2A Surface Waiver
(4/16)

SURFACE OWNER WAIVER

County 085 - Ritchie Operator ALLIED ENERGY, INC.
Operator well number Waller #1

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 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 **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.

Signature
Thomas C. Schoolcraft
Print Name

Date
Received
Office of Oil & Gas

Company Name N/A
By _____
Its _____
Date _____
Signature _____
Date _____

MAY 3 2017

05/26/2017

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County 085- Ritchie
Operator ALLIED ENERGY, INC. Operator's Well Number Waller #1

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

_____	Date _____	Company Name _____	N/A
Signature		By _____	_____
		Its _____	Date _____
		Signature _____	Date _____

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MAY 8 2017
WV Department of
Environmental Protection

**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
Thomas C. Schoolcraft 2670 Petroleum Rd Petroleum, WV 26161-6456	ALLIED ENERGY, INC.	-0-	surface 217 / 297
Jeb E. Shields and Jessica L. Shields 1924 Petroleum Rd Petroleum, WV 26161-6458	ALLIED ENERGY, INC.	12.5%	OGM 296 / 448 Lease 267 / 966

**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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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:
By:Its:

David W Wiggers
ALLIED ENERGY, INC.
David W. Wiggers, Agent

WW-2B1
(5-12)

Well No. Waller #1

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Reliance Laboratories, Bridgeport, WV
Sampling Contractor Smith Land Surveying, Glenville, WV

Well Operator ALLIED ENERGY, INC.
Address 35 Ridgewood Blvd
Belpre, OH 45714-8218
Telephone [304] 628-3672

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

Thomas C. Schoolcraft
2670 Petroleum Road
Petroleum, WV 26161-6456

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05/26/2017

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 47-085-05123 / 47-085-05190 / 47-085-10035 - No Land Application)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

MAG
4/20/17

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. N/A

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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Environmental Protection

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

Company Official (Typed Name) David W. Wiggers

Company Official Title Agent

Subscribed and sworn before me this 21 day of April, 2017

Holland Massey

Notary



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Holland G. Massey
Community Bank of Parkersburg
2400 Grand Central Avenue
Vienna, WV 26041
My Commission Expires December 07, 2021

My commission expires Dec. 7-2021

Proposed Revegetation Treatment: Acres Disturbed 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

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Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
<u>Contractors' Mix</u>	<u>100</u>

Seed Type	lbs/acre
<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: Michael Gaff

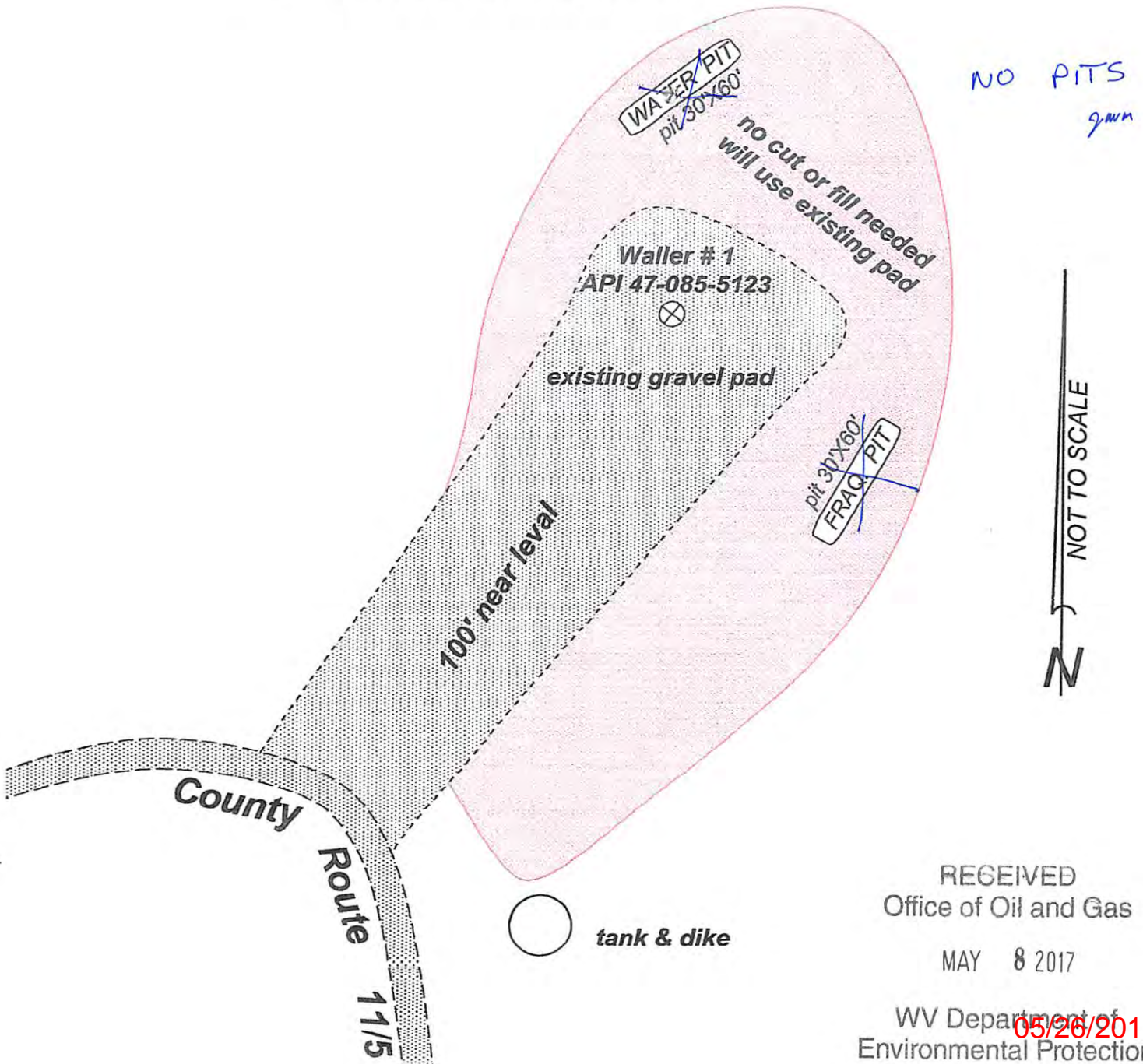
Comments: Presced & mulch any disturbed areas per WVAEP regulations. Maintain & up grade E-n-s as necessary

Title: Oil & Gas Inspector Date: 5/26/17

Field Reviewed? () Yes () No

Allied Energy, Inc.
Wells: Waller # 1 API 47-085-5123
George L. Waller 58 Acre Lease
Grant District Ritchie County
West Virginia

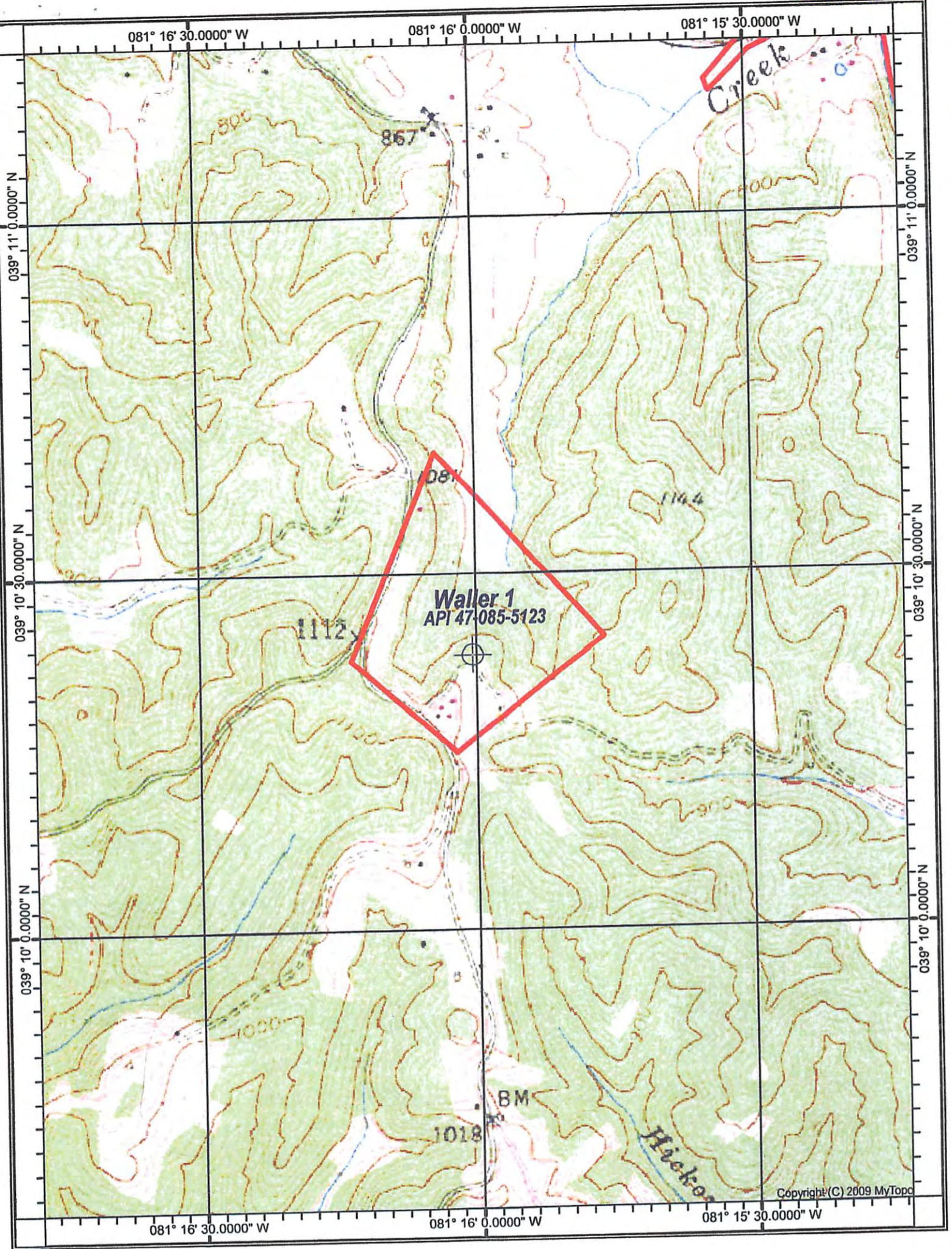
- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches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



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PETROLEUM QUADRANGLE

SCALE 1' = 1000'

ALLIED ENERGY

**WELL: WALLER 1 API 47-085-5123
GEORGE L. WALLER +/- 58 ACRE LEASE**

GRANT DISTRICT RITCHIE COUNTY WEST VIRGINIA

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05/26/2017

85 05123 W

81°15' 59.76" (81.26660)

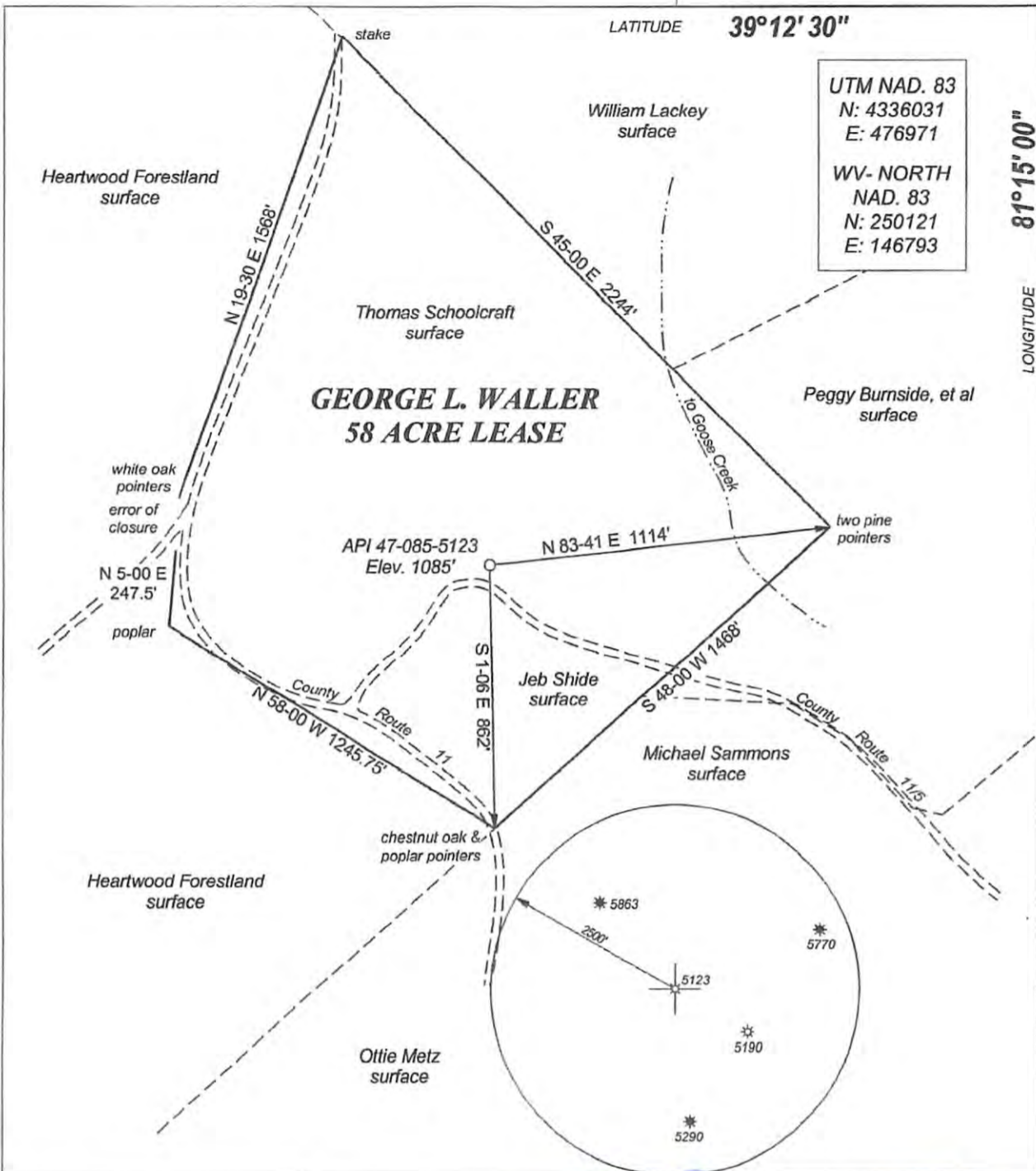
4760'

LATITUDE 39°12' 30"

LONGITUDE 81°15' 00"

12780'

39°10' 23.52" (39.173200)



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 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 MARCH 26TH, 2017
 OPERATORS WELL NO. WALLER 1

API 47 - 085 - 05123 W
 STATE COUNTY PERMIT

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

LOATION: ELEVATION 1085' WATER SHED GOOSE CREEK
 DISTRICT GRANT COUNTY RITCHIE QUADRANGLE PETROLEUM

SURFACE OWNER THOMAS SCHOOLCRAFT & JEB SHIELDS ACREAGE 47.8 & 12.3
 OIL & GAS ROYALTY GEORGE L. WALLER LEASE AC +/- 58

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL
 FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL
 PLUG AND ABANDON CLEAN OUT AND REPLUG

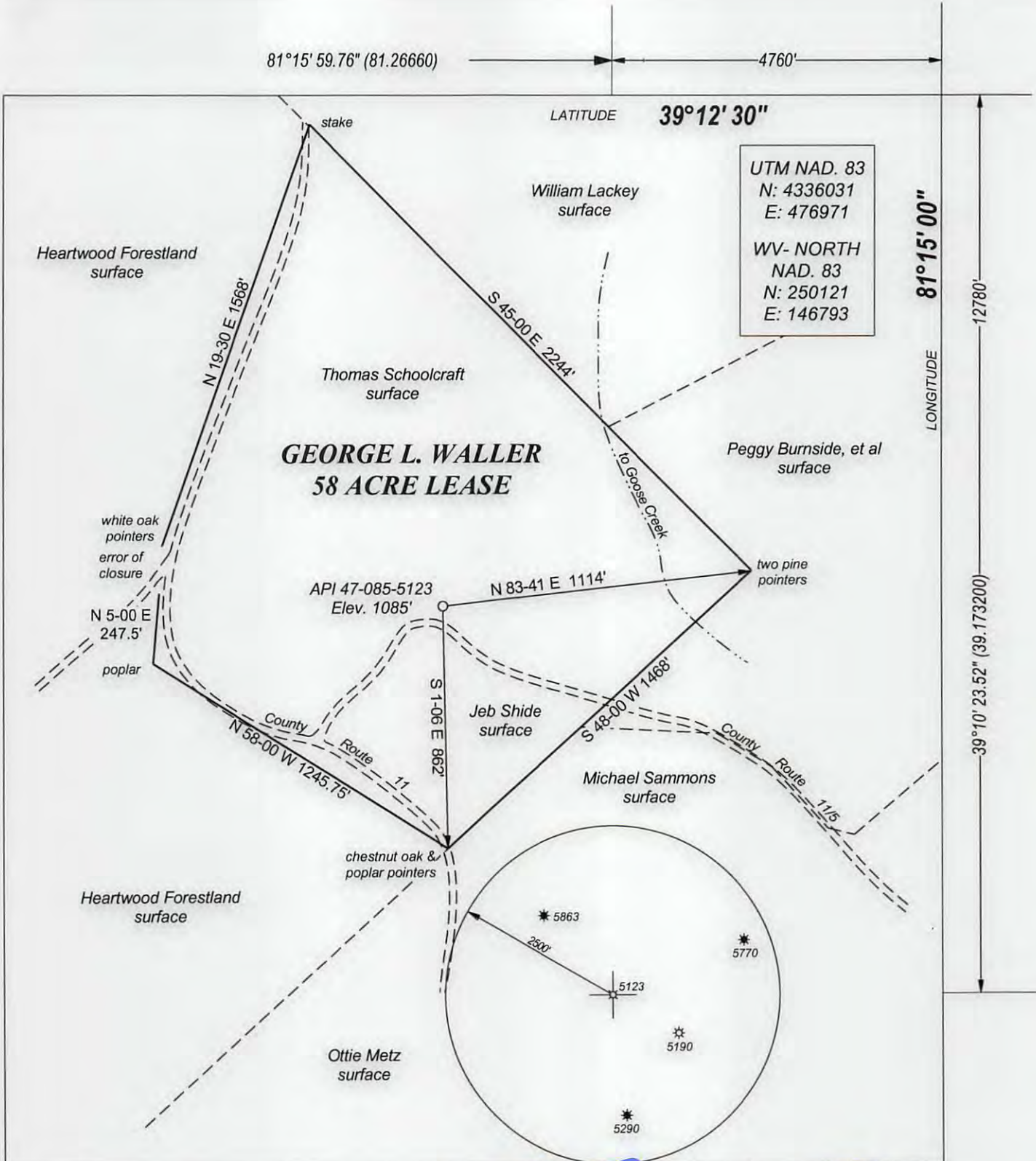
TARGET FORMATION GORDON - BROWN SHALE ESTIMATED DEPTH 3630' TO 3886'

WELL OPERATOR ALLIED ENERGY, INC. DESIGNATED AGENT JACK MCCUNE
 ADDRESS P. O. BOX 3005 ADDRESS 4695 WV HWY 5
 SARATOGA, CA 95070 GLENVILLE, WV 26351

FORM WW-6

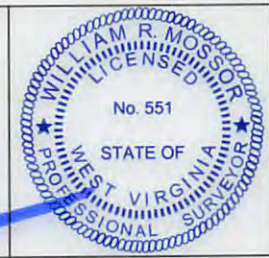
COUNTY NAME PERMIT

05/26/2017



FILE NO. _____
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 (SIGNED) _____
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 PERFORATE NEW FORMATION ___
 OTHER PHYSICAL CHANGE IN WELL ___
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COUNTY NAME
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