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west virginia department of environmental protection

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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

August 05, 2014

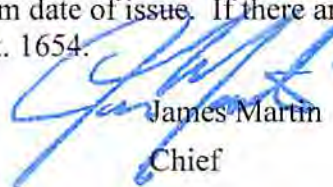
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1701460, issued to ALLIED ENERGY, INC., 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: DOAK, W. E.  
**API Well Number: 47-1701460**  
**Permit Type: Plugging**  
Date Issued: 08/05/2014

Promoting a healthy environment.

08/08/2014

## 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. 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.

WW-4B  
Rev. 2/01

1) Date May 30, 20 14  
2) Operator Q  
Well No. \_\_\_\_\_ W.E. Doak #1 \_\_\_\_\_  
3) API Well No. 47-017 - 01460

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 \_\_\_\_\_ or Underground storage \_\_\_\_\_) Deep \_\_\_\_\_ / Shallow \_\_\_\_\_
- 5) Location: Elevation 961.2' Watershed Dotson Run  
District Central County Doddridge Quadrangle West Union
- 6) Well Operator Allied Energy, Inc. 7) Designated Agent Tom Fluharty  
Address P.O. Box 3005 Address 408 Lee Ave.  
Saratoga, CA 95070 Clarksburg, WV 26301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Douglas Newlon Name Top Drilling Corp.  
Address 4060 Dutchman Road Address HC 68 Box 14  
Macfarlan, WV 26148 Smithville, WV 26178

10) Work Order: The work order for the manner of plugging this well is as follows:

See attached document

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

Work order approved by inspector Doug Newlon  
JMM

RECEIVED  
Office of Oil and Gas  
JUL 08 2014  
WV Department of  
Environmental Protection  
Date 08/08/2014

1701460P

# W. E. Doak #1 Well

API: 47-017-01460

Plan description to plug the W. E. Doak #1 well, located in Central District, Doddridge County, West Virginia.

5 1/2 inch pipe from surface to Total Depth.

\* All plugs will be tagged.

Well is 2000 feet to Total Depth. At TD, a 100-foot thick plug will be poured.

Records indicate there is a collar at the 1760- to 1770-foot depth, at this junction, free-point the pipe and pull to surface. A 100-foot thick plug will be poured that brackets the area of the collar, 50-feet on each side.

Elevation records show that sea level is measured at 961 feet. A 100-foot thick plug will be poured that brackets the area, 50-feet on each side.

At the surface, a plug will be poured to the depth of 200-feet. This will insure the safety of the water well located on the subject real property.

REFER TO ATTACHED PLUGGING PROCEDURE.



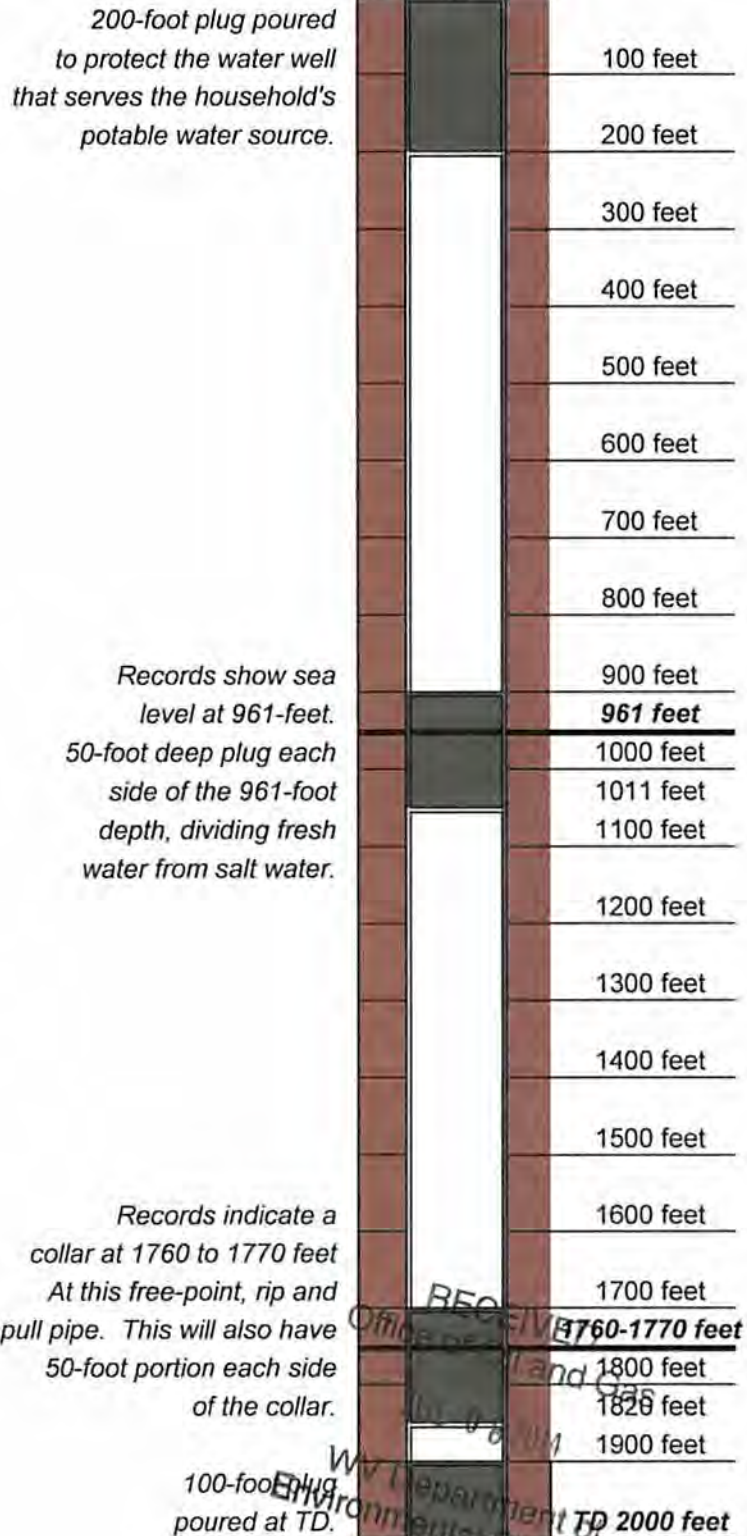
CEMENT PLUG

CENTER COLUMN IS WELL CASING

5 1/2" PIPE

SURFACE TO

TD



REC-111  
Office of the  
WV Department of  
Environmental Protection

08/08/2014

W. E. Doak #1 Well      API: 47-017-01460

### PLUGGING PROCEDURE

The well appears to have 1839' of 6 5/8" casing left in it, with no cement and an original TD of 2029'. Elevation is 961'. Salt water at 1405'. Oil from 1757' – 1765'. Gas 1777'. Oil & Gas 1928' – 1941'.

- Run in hole with work string and check TD at 2029'. Gel hole. Set bottom hole plug with Class A cement from 1941' – 1841'. Free point 6 5/8" casing. Cut and pull casing from free point. Set a minimum 100' Class A cement plug across casing cut.
- Minimum 100' Class A Cement plug from 1777' to 1677'.
- Gel hole from 1677' to 1405'.
- Minimum 100' Class A Cement plug from 1405' to 1305', above salt water show.
- Gel hole from 1305' to 961'.
- Minimum 100' Class A Cement plug from 961' to 861' for the elevation plug.
- Gel hole from 861' to 300'.
- Set 300' Class A cement plug from 300' to surface.
- Place monument per WV DEP requirements.

Cement Plug is defined as a minimum 100' of Class A Cement with no more than 3% calcium chloride and no other additives.

Gel is defined as fresh water with a minimum of 6% Bentonite ( by weight ) and no other additives.

ENTIRE WELLBORE MUST BE FILLED WITH EITHER GEL OR CLASS A CEMENT.

TAC All Plugs.

OK      JMM



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 7

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle West Union  
Permit No. DOD-1460

WELL RECORD

Oil or Gas Well Both  
(KIND)

Company W. Leslie Rogers  
Address Pennsauken, N. J.  
Farm W. E. Deak Acres 35  
Location (waters) Detson Run  
Well No. 1 Elev. 961.2'  
District Central County Doddridge  
The surface of tract is owned in fee by W. E. Deak  
Address Vienna, Ohio  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced 6/1/67  
Drilling completed 6/22/67  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 50,000 Cu. Ft.  
Rock Pressure 320 lbs. 24 hrs.  
Oil 10 bbls., 1st 24 hrs.  
WELL ACIDIZED No  
WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>535'</u>		Size of
8 1/4	<u>1161'</u>		
6 3/4	<u>1839'</u>	<u>1839'</u>	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED None SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT \_\_\_\_\_

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water 1405' Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0'	10'			
Sand			10	35			
Shale			35	140			
Sand			140	160			
Shale			160	185			
Sand			185	270			
Shale			270	315			
Sand			315	330			
Shale			330	355			
Sand			355	370			
Shale			370	497			
Sand			497	525			
Shale			525	646			
Sand			646	663			
Shale			663	850			
Sand			850	900			
Shale			900	912			
Sand			912	945			
Shale			945	1075			
Sand			1075	1125			
Shale			1125	1325			
Sand			1325	1395			
Shale			1395	1400			
Sand			1400	1435	<u>Water</u>	<u>1405'</u>	
Shale			1435	1455			
Sand			1455	1610			
Shale			1610	1722			
Sand			1722	1779	<u>Oil</u>	<u>1757' -6'</u>	
					<u>Water</u>	<u>1765' -71'</u>	
					<u>Gas</u>	<u>1777'</u>	



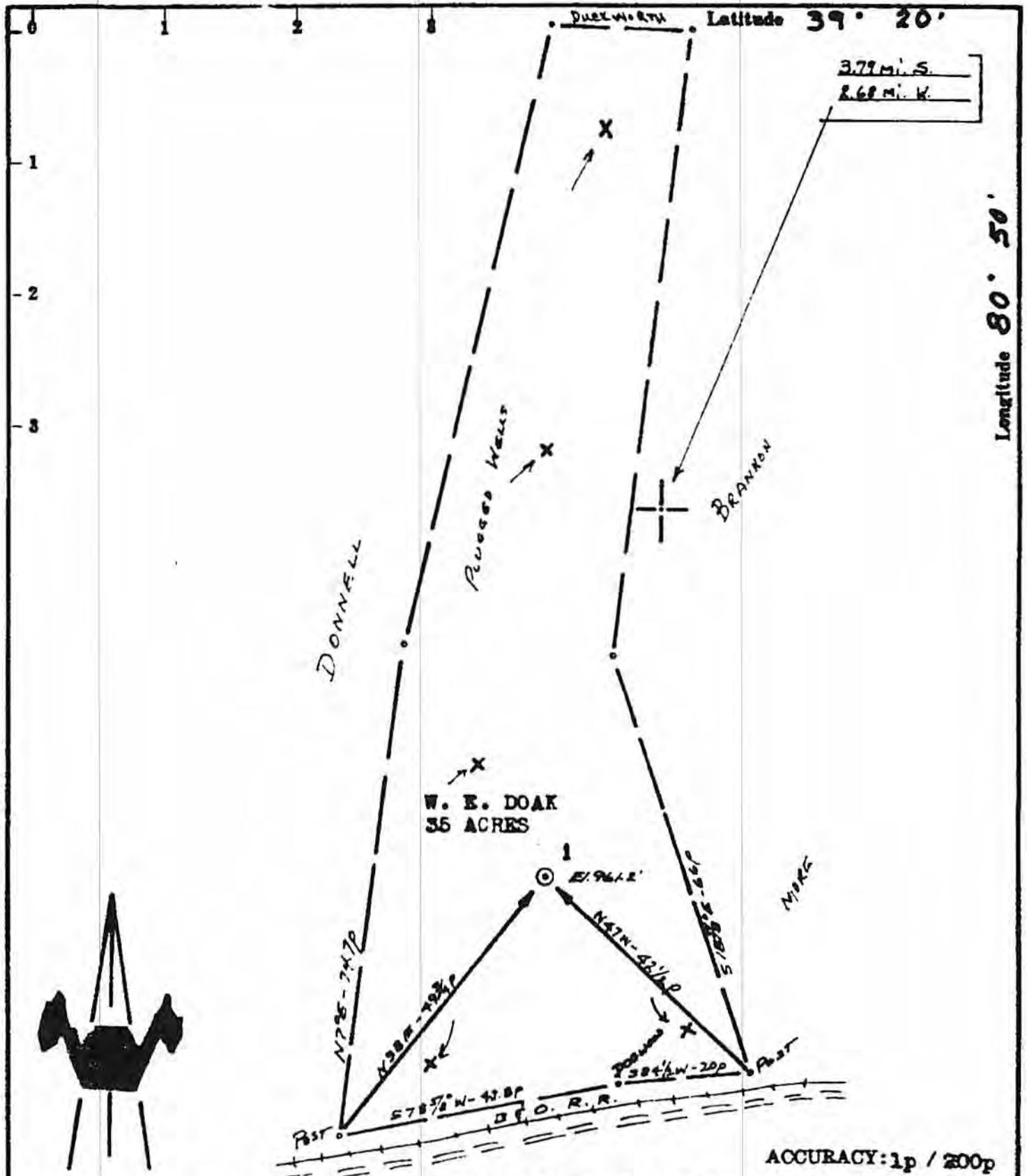
08/08/2014

PROVIDED BY O O & G

Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale			1779'	1790'			
Limestone			1790	1804			
Shale			1804	1826			
Limestone			1826	1911			
Sandy Lime			1911	1945	Oil & Gas	1928' -41'	
Shale			1945	1948			
Sand			1948	1966			
Shale			1966	1976			
Sand			1976	1980			
Shale			1980	2029			
T.D.				2029'			

08/08/2014

Date..... 19.....  
 APPROVED....., Owner  
 By.....  
 (Title)



- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Source of Elevation R. R. Tracks @ Greenwood (890')

ACCURACY: 1p / 200p

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

*Chet Waterman*

Company	W. LESLIE ROGERS		
Address	PENNSAUKEN, N. J.		
Farm	W. E. DOAK		
Tract	Acres	36	Lease No.
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	961.8'		
Quadrangle	WEST UNION		
County	DODDRIDGE	District	CENTRAL
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	67003-50	Drawing No.	
Date	5/3/67	Scale	1" = 20p

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

**WELL LOCATION MAP**

FILE NO. DOD - 1460 08/08/2014

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.



WW-4A  
Revised 6-07

1) Date: 6/30/14  
2) Operator's Well Number W.E. Doak #1

3) API Well No.: 47 - 017 - 01460

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

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Ricky Wayne Doak</u>	Name _____
Address <u>757 Long Run Road</u>	Address _____
<u>Pennsboro, WV 26415</u> ✓	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
<b>6) Inspector</b> <u>Douglas Newlon</u>	(c) Coal Lessee with Declaration
Address <u>4060 Dutchman Road</u>	Name _____
<u>Macfarlan, WV 26148</u>	Address _____
Telephone <u>304-932-8049</u>	_____

**TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:**

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Allied Energy Inc.  
 By: David W. Wiggers  
 Its: Agent  
 Address 35 Ridgewood Blvd.  
Belpre, OH 45714  
 Telephone 740-423-8820

Subscribed and sworn before me this 30 day of June 2014

Elysia Wright  
My Commission Expires 8-28-23

Notary Public  
**RECEIVED**  
Office of Oil and Gas

**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).

JUL 08 2014  
WV Department of Environmental Protection  
08/08/2014

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Certified Fee	\$3.30	08
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.40</b>	07/05/2014

Sent To: **Ricky Wayne Doak**

Street, Apt. No.,  
or PO Box No.: **757 Long Run Road**

City, State, ZIP+4: **Pennsboro, WV 26415**

PS Form 3800, August 2005 See Reverse for Instructions

Received

JUL - 8 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Allied Energy Inc. OP Code 309558

Watershed Dotson Run Quadrangle West Union

Elevation 961' County Doddridge District Central

Description of anticipated Pit Waste: ~~brine water~~ NO pit

Will a synthetic liner be used in the pit? \_\_\_\_\_

ANY EFFLUENT MUST BE  
CONTAINED AND DISPOSED  
OF PROPERLY.

Proposed Disposal Method For Treated Pit Wastes:

- \_\_\_\_\_ Land Application
- \_\_\_\_\_ Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- \_\_\_\_\_ Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- \_\_\_\_\_ Other (Explain \_\_\_\_\_)

Proposed Work For Which Pit Will Be Used:

- \_\_\_\_\_ Drilling
- \_\_\_\_\_ Workover
- \_\_\_\_\_ Other (Explain \_\_\_\_\_)
- \_\_\_\_\_ Swabbing
- Plugging

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 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 30 day of June, 2014

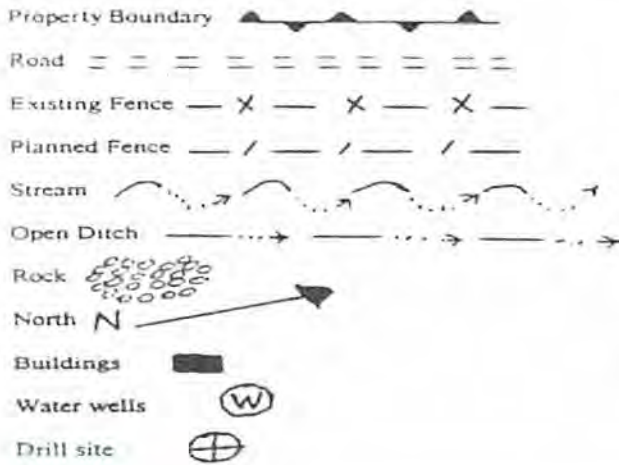
Elysa Wright

My commission expires 8-28-23

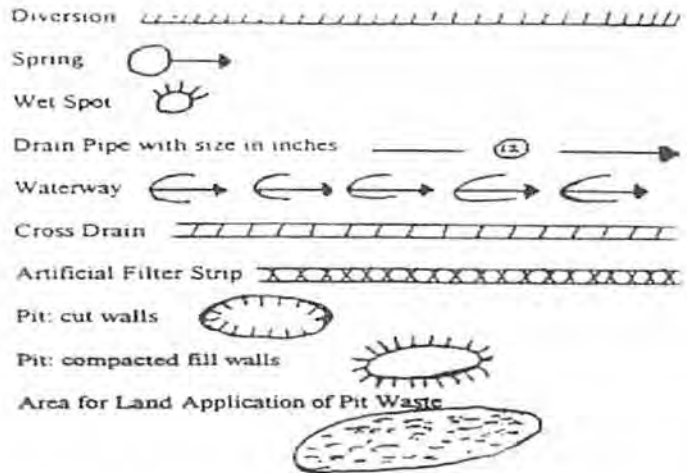
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Office of Oil and Gas



08/08/2014



LEGEND



Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH 6.0

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 90 Bales/acre Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Contractors Mix	100	Contractors Mix	100

Attach:  
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas Newlon

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

Title: Oil & Gas Inspector

Date: 6-27-14

Field Reviewed?  Yes  No

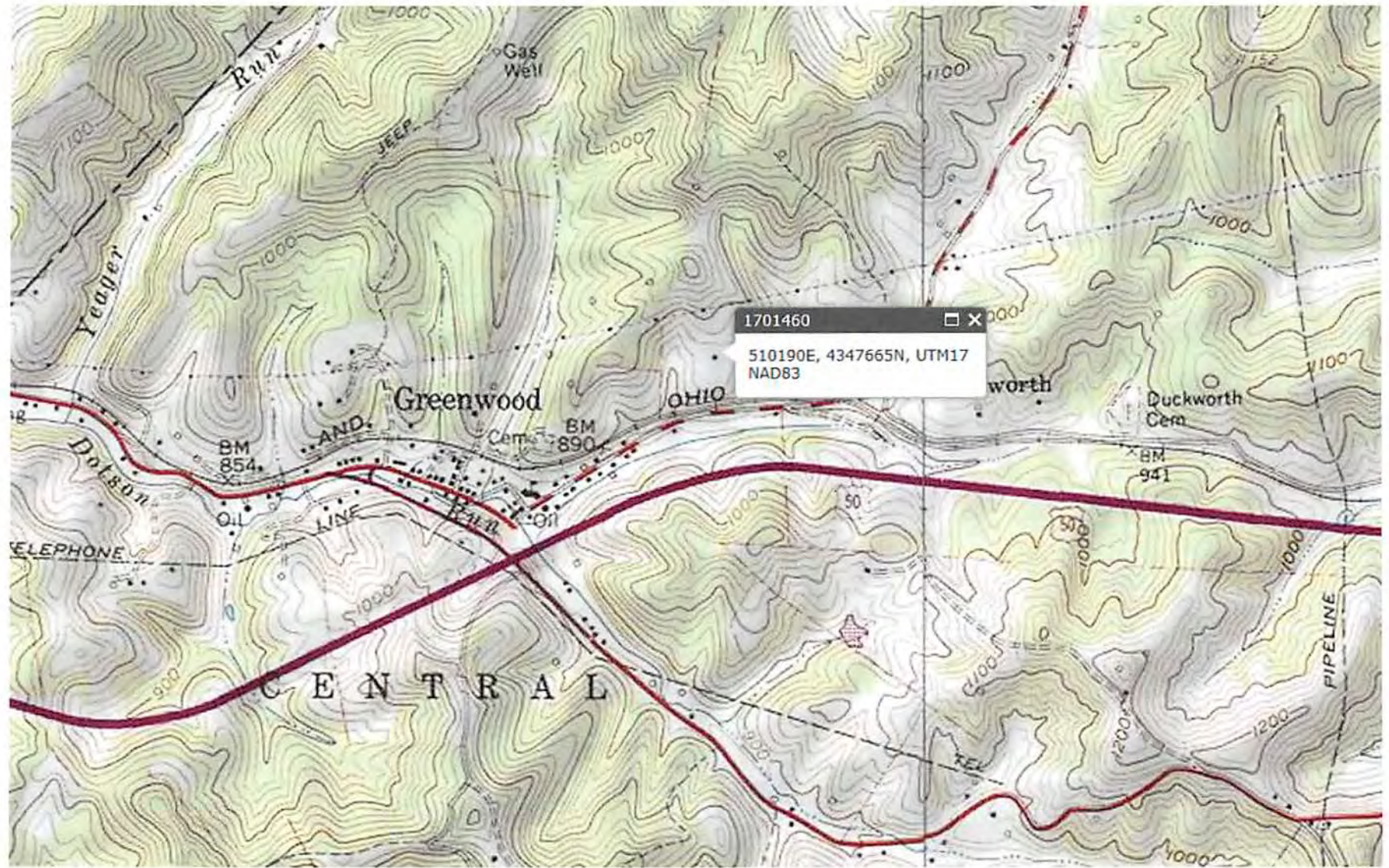
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JUL 08 2014

WV Department of  
Environmental Protection

08/08/2014

1701460P



1701460f



1701460  X  
510190E, 4347665N, UTM17  
NAD83

100m  
300ft

WW-7  
8-30-06

1701460P  
CK 1505  
10000



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-017-01460 WELL NO.: W.E. Doak #1

FARM NAME: W.E. Doak

RESPONSIBLE PARTY NAME: Allied Energy, Inc.

COUNTY: Doddridge DISTRICT: Central

QUADRANGLE: West Union

SURFACE OWNER: Ricky Wayne Doak

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4,347,665

UTM GPS EASTING: 510,190 GPS ELEVATION: 961.2

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 \_\_\_\_\_

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.

[Signature]  
Signature

President  
Title

7/24/14  
Date

Ricky Wayne Doak  
757 Long Run Road  
Pennsboro, WV 26415



**COPY**

July 3, 2014

Mr. Ricky W. Doak

Enclosed is a copy of the permit application forms describing Allied Energy's plan for plugging the W.E. Doak #1 well located on the property of which you are the landowner of record. Please review the forms, then, if satisfied, sign and date the Waiver forms where indicated and return the signed forms in the enclosed, stamped, self-addressed envelope.

As agreed, plugging work will commence upon issuance of the permit by the Department of Oil & Gas and will be completed before the end of August 2014.

Thank you,

*David W. Wiggers*

David W. Wiggers/bookkeeper  
Allied Energy Inc.  
35 Ridgewood Blvd.  
Belpre, OH 45714  
Phone: 740-423-8820

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