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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

July 01, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1702859, issued to MCCUNE, JACK D, 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: ELLIFRITT, EDNA L.  
**API Well Number: 47-1702859**  
**Permit Type: Plugging**  
Date Issued: 07/01/2015

**Promoting a healthy environment.**

**07/03/2015**

## 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

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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.

1) Date June 16, 2015  
2) Operator's  
Well No. Ellifritt #1  
3) API Well No. 47-017-0259

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X

5) Location: Elevation 1062' Watershed North Fork Hughes River  
District Central County Doddridge Quadrangle Pennsboro

6) Well Operator Jack D. McCune 7) Designated Agent Jack D. McCune  
Address 4695 WV HWY 5W Address 4695 WV HWY 5W  
Glennville, WV 26351 Glennville, WV 26351

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Douglas Newlon Name Antero Resources Corporation  
Address 601 57th Street, SE Address 1615 Wynkoop Street  
Charleston, WV 25304 Denver, CO 80202

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

\*Please see attached Work Order.

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

Work order approved by inspector Douglas Newlon Date 7/1/15

07/03/2015





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

**Oil and Gas Division**  
**WELL RECORD**

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb.   
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Pennsboro 7.5  
Permit No. 47-017-2859

Company Magnum Oil Corporation  
Address P.O. Box 4295, Parkersburg, WV 26101  
Farm Ellifritt Acres 40  
Location (water) Dotson Run  
Well No. \_\_\_\_\_ Elev. 1,000'  
District 6 Central County Doddridge  
The surface of tract is owned in fee by  
Edna L. Ellifritt, et al  
Address Greenwood, WVa  
Mineral rights are owned by Same as above  
Address \_\_\_\_\_  
Drilling Commenced November 23, 1980  
Drilling Completed January 24, 1981  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 300m cu. ft. per day .6 bbls.  
Well open 20 hrs. before test 800 RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			circulate  200 sks.
Cond. 13-10"			
9 5/8			
8 5/8	254'	254'	
7			
5 1/2			
4 1/2		2450'	
3			
2			
Liners Used			

Attach copy of cementing record.  
2 stage foam: 1st stage: 87 bbls. treated water; 25,000 # 20/40 sand,  
170,000 scf nitrogen  
2nd stage: 128 bbls. treated water; 25,000 # 20/40 sand,  
170,000 scf nitrogen

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 109 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun & Weir Depth 2282-2373' & 2066-2078'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Top Soil			0	10		
Shale & slate			10	108		
Sand			109	112	Water	
Slate			113	350		
Red rock			350	403		
Sand			403	435		
Slate & red rock			436	900		
Sand			900	926		
Slate & shale			927	1100		
Shale & sand			1101	1875		
Makon			1875	1894		
Shale & sand stringers			1895	1947		
Big Lime			1948	2010		
Big Injun			2010	2082		
Shale			2083	2279		
Weir			2280	2402		
Shale			2403	2455		

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MAR 11 1981

OIL & GAS DIVISION  
DEPT. OF MINES

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Office of Oil and

JUN 25 2015  
07/03/2015

WV Department of  
Environmental Protection

(over) 2455 TD

\* Indicates Electric Log tops in the remarks section.

ARTICIPANTS:

DATE: JUL 21 1981

BUYER-SELLER CODE

WELL OPERATOR: Magnum Oil Corp.

021677

FIRST PURCHASER: Carnegie Natural Gas Co.

003042

OTHER: \_\_\_\_\_

*Ch. map 1050'  
OK - Grant*

*Qualifies J. H. Huggins*

W. Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER  
81-5-13-103-017-2859  
Use Above File Number on all Communications  
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING:

ITEM NO.

- 1. FERC -121  Items not completed - Line No. 70 + 80 b, c, d
- 2. IV-1 Agent  Georgia Gainer
- 3. IV-2 Well Permit \_\_\_\_\_
- 4. IV-6 Well Plat
- 5. IV-35 Well Record  Drilling  Deepening \_\_\_\_\_
- 6. IV-36 Gas-Oil Test: Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
- 7. IV-39 Annual Production: \_\_\_\_\_ years
- 8. IV-40 90 day Production \_\_\_\_\_ Days off line: \_\_\_\_\_
- 9. IV-48 Application for certification: Complete?
- 0-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58: Complete?  Affidavit Signed
- 8-28. Other: Survey \_\_\_\_\_ Logs: \_\_\_\_\_ Geological Charts: \_\_\_\_\_  
Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
Gas Analyses \_\_\_\_\_
- (5) Date commenced: 11-23-80 Date completed 1-24-81 Deepened \_\_\_\_\_
- (5) Production Depth: 2292-2372 ft 2066-78
- (5) Production Formation: Big Injun # Weir
- (5) Final Open Flow: 300 MCF
- (5) After Frac. R. P. 900# 20 hrs.
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production: \_\_\_\_\_
- (8) Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_
- (8) Line Pressure: \_\_\_\_\_ PSIG from Daily Report \_\_\_\_\_
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 1-17. Does lease inventory indicate enhanced recovery being done NO
- 1-17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information? NO
- Additional information: \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Is Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

07/03/2015

Date May 11, 19 81

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

Operator's Well No. Ellifritt #1  
API Well No. 47 - 017 - 2859  
State County Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

NGPA Section 103:

WELL OPERATOR Magnum Oil Corp.  
ADDRESS P.O. Box 4295  
Parkersburg, W.V. 26101  
GAS PURCHASER Carnegie  
ADDRESS 3904 Main St.  
Munhall, Pa. 15120

DESIGNATED AGENT Hays & Co.  
ADDRESS P.O. Box 590  
Spencer, W.V. 25276  
LOCATION: Elevation 1000  
Watershed Dotson Run  
Dist. Center County Doddridge Quad. Pennsboro  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

Date surface drilling was begun: 11 - 23 - 80

Indicate the bottom hole pressure of the well and explain how this was calculated:

AFFIDAVIT

I, David M. Chambers, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

David M. Chambers

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha, TO WIT:

I, David M. Gillespie, a Notary Public in and for the state and county aforesaid, do certify that David M. Chambers whose name is signed to the writing above, bearing date the 13<sup>th</sup> day of March, 1981, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 13<sup>th</sup> day of March, 1981. My term of office expires on the 10<sup>th</sup> day of May, 1989.

[NOTARIAL SEAL]



David M. Gillespie  
Notary Public

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JUN 12 1984

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

COMPANY Magnum Oil Corp.

PERMIT NO 017-2859

FARM & WELL NO Elli Smith farm

DIST. & COUNTY Century / Dodd

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strength		
15.05	Cement Type		
23.02	Maintained Access Roads	X	
25.01	Necessary Equipment to Prevent Waste	X	
23.04	Reclaimed Drilling Pits	X	
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	X	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Mike Underwood

DATE 6-7-84

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. ...  
Administrator - Oil & Gas Division

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Office of Oil and Gas  
June 27, 1984

JUN 25 2015

DATE

I WV Department of  
Environmental Protection

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Office of Oil and Gas

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1.0 API well number: (If not available, leave blank. 14 digits.) 47 - 017 - 2859

2.0 Type of determination being sought: (Use the codes found on the front of this form.)  
103  
Section of NGPA Category Code Oil & Gas Division

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)  
2455 feet

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)  
MAGNUM OIL CORPORATION  
Name P.O. Box 4295 Seller Code  
Street Parkersburg, W.V. 26101  
City State Zip Code

5.0 Location of this well: (Complete (a) or (b).)  
(a) For onshore wells (35 letters maximum for field name.)  
Canter District  
Field Name Doddridge State W.V.  
County State

(b) For OCS wells:  
Area Name Block Number  
Date of Lease:  
Mo. Day Yr. OCS Lease Number

(c) Name and identification number of this well: (35 letters and digits maximum.)  
Eliffritt #1

(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)

6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)  
Carnegie Natural Gas Co.  
Name Buyer Code

(b) Date of the contract:  
Mo. Day Yr.

(c) Estimated annual production:  
31.18 MMcf.

	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<u>2.444</u>			
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>2.444</u>			

9.0 Person responsible for this application:  
David M. Chambers President

Agency Use Only  
Date Received by Juris. Agency  
MAY 13 1981

Date Received by FERC

Date Application is Completed May 11, 1981  
Phone 304/485-7730 Department of Environmental Protection

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**Ellifritt #1 Well**  
**Doddridge County, WV**  
**API #47-017-02859**

17-2859

**Objective:** Plug and Abandon Wellbore.

**Pipe Schedule:**

1. 8-5/8" set @ 254'. Cemented to surface
2. 4-1/2" set @ 2,450' with estimated TOC @ 150'

Elevation: 1062'

**Oil and Gas Zones:**

1. Big Injun (gas): 2010'

**Procedure:**

1. Coordinate and schedule casing jacks.
2. Notify WVDEP prior to commencing work, for plug witnessing (Doddridge County Inspector)
3. Move in and rig up flat tank and frac tank (No pits will be utilized).
4. Move in rig up service unit.
5. Nipple up BOPE and test – check and report surface pressure including bradenhead pressure.
6. Kill well.
7. Rig up wireline and lubricator.
8. Make gauge ring run to CIBP Setting depth = 2,046' (20' above uppermost perf per well records). Pull out of hole.
9. Lubricate in a cast iron bridge plug and set at 2,046'. Pull out with wireline.
10. Pressure test CIBP to 500 psi.
11. Pick up tubing, run in hole.
12. Tag and verify bridge plug setting depth.
13. Pull one foot above bridge plug.
14. Pump 100' plug from CIBP to 200' above CIBP. Cement = 22 sacks Class A with 2% CaCl<sub>2</sub>; yield = 1.18 ft<sup>3</sup>/sk; water = 5.2 gals/sk; (Volume includes 20% excess).
15. Slowly pull out of cement plug. Pull tubing 200' and reverse circulate tubing clean.
16. Wait on cement 8hrs.
17. Load hole w/ gel (Must be freshwater with a minimum of 6% bentonite) - approximately 169 ft<sup>3</sup> or 30 bbls.
18. Run in tubing and verify top of cement plug at 1,846'.
19. If top of cement is deeper than 1,846'
  - a. Mix and spot cement so top is a minimum depth of 1,846'.
  - b. Cement quantity to be determined but will be Class A with 2% CaCl<sub>2</sub>; yield = 1.18 ft<sup>3</sup>/sk; water = 5.2 gals/sk; 20% excess.
  - c. Pull 200' of tubing and reverse circulate tubing clean (maintain hole full of gel).
  - d. Wait on cement 8 hours.
  - e. Repeat steps until TOC is shallower than 1,846'.
  - f. Tag TOC after each/every plug set.
20. Pull tubing out of hole
21. Run CBL from 1846' to surface
22. Locate Top of Cement around 4.5" casing (estimated @ 150').
23. If Top of Cement is shallower than 254', then skip to step 25.
24. If top of cement is deeper than 254',
  - a. Trip in with wireline and run free point above top of cement.
  - b. Trip out. Trip in and fire backoff charge at xxxx' (depth as determined via freepoint).
  - c. Back off casing at approximately xxxx' (depth a function of freepoint).
  - d. Pull out with wire line.
  - e. Rig up casing jacks and pull 4.5" casing – lay down casing.
  - f. Pick up tubing and run in to 304'.
  - g. Set class A cement plug from 304' to 25' below ground level (118 sks).
  - h. Trip out of hole and wait on cement
  - i. Go to step 28.

*Need Elevation Plug from 1050 - 950'*

*DCW  
6-24-2015*

25. Pick up tubing, run in hole to 304'; Maintain hole full of gel.
26. Set Class A cement plug from 304' to 25' below ground (31 sks).
27. Trip out of hole
28. During construction of new facility, cut off casing at 22' below ground level.
29. Weld marker plate with API number (API No: 47-0174-02859).
30. Establish remote dry hole marker & provide direction and distance to DEP.

17-2859

WW-4A  
Revised 6-07

1) Date: June 16, 2015  
2) Operator's Well Number  
Elifritt #1  
3) API Well No.: 47 - 017 - 02859

**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>Antero Resources Corporation</u>	Name <u>NO DECLARATIONS ON RECORD WITH COUNTY</u>
Address <u>1615 Wynkoop Street</u>	Address _____
<u>Denver, CO 80202</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NO DECLARATIONS ON RECORD WITH COUNTY</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
<b>6) Inspector</b> <u>Douglas Newlon</u>	(c) Coal Lessee with Declaration
Address <u>601 57th Street SE</u>	Name <u>NO DECLARATIONS ON RECORD WITH COUNTY</u>
<u>Charleston, WV 25304</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 Jack D. McCune  
 By: Jack McCune  
 Its: \_\_\_\_\_  
 Address 4695 WV HWY 5W  
Glenville, WV 26351  
 Telephone 304-462-8182



Subscribed and sworn before me this 18<sup>th</sup> day of JUNE 2015

My Commission Expires MARCH 11, 2019

**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).

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JUN 25 2015

WV Department of Environmental Protection  
07/03/2015



**SURFACE OWNER WAIVER**

Operator's Well  
Number

Ellifritt #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 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 **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.

RECEIVED

Office of Oil and Gas

JUN 25 2015

FOR EXECUTION BY A CORPORATION, ✓

\_\_\_\_\_  
Signature

Date

Antero Resources Corporation  
By: Ward McNelly  
VP, Reserves Planning & Midstream  
Date 6/11/2015

Signature

Date  
**07/03/2015**



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 Jack D McCune OP Code 494502446

Watershed North Fork Hughes River Quadrangle Pennsboro

Elevation 1062' County Doddridge District Central

Description of anticipated Pit Waste: No pit will be used at this site (All fluids will be stored in tanks and either reused or hauled off site.)

Will a synthetic liner be used in the pit? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ Future permitted well locations when applicable. API# will be provided on Form WR-34)
- Off Site Disposal (Meadowfill Landfill Permit #SWF-1032-98)
- Other (Explain \_\_\_\_\_)

Proposed Work For Which Pit Will Be Used:

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

*DCW  
6-24-2015*

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 Jack McCune

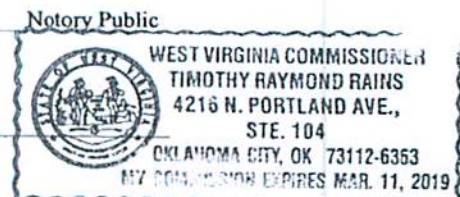
Company Official (Typed Name) Jack McCune

Company Official Title \_\_\_\_\_

Subscribed and sworn before me this 18<sup>TH</sup> day of JUNE, 20 15

Timothy Raymond Rains

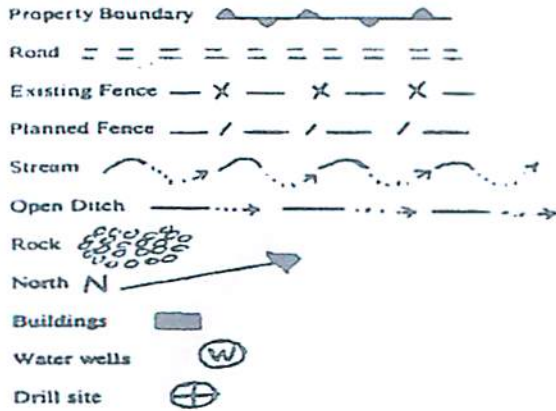
My commission expires MARCH 11, 2019



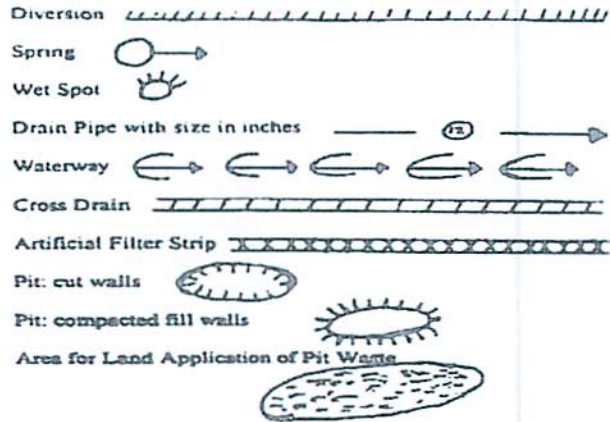
17-2859

Form WW-9

Operator's Well No. Ellifritt #1



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.1 acres Prevegetation pH \_\_\_\_\_

Lime 2-3 Tons/acre or to correct to pH 6.5

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

Mulch 2-3 Tons/acre (Hay, straw or wood fiber (will be used where needed))

Seed Mixtures

Area I

Seed Type	lbs/acre
Please reference Table IV-3 on page 3 of the Ellifritt #1 Well Plugging Plan	
*or type of grass seed requested by surface owner	

Area II

Seed Type	lbs/acre
Please reference Table IV-4A on page 3 of the Ellifritt #1 Well Plugging Plan	
*or type of grass seed requested by surface owner	

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: Control Erison as required

Title: Oil & Gas Inspector

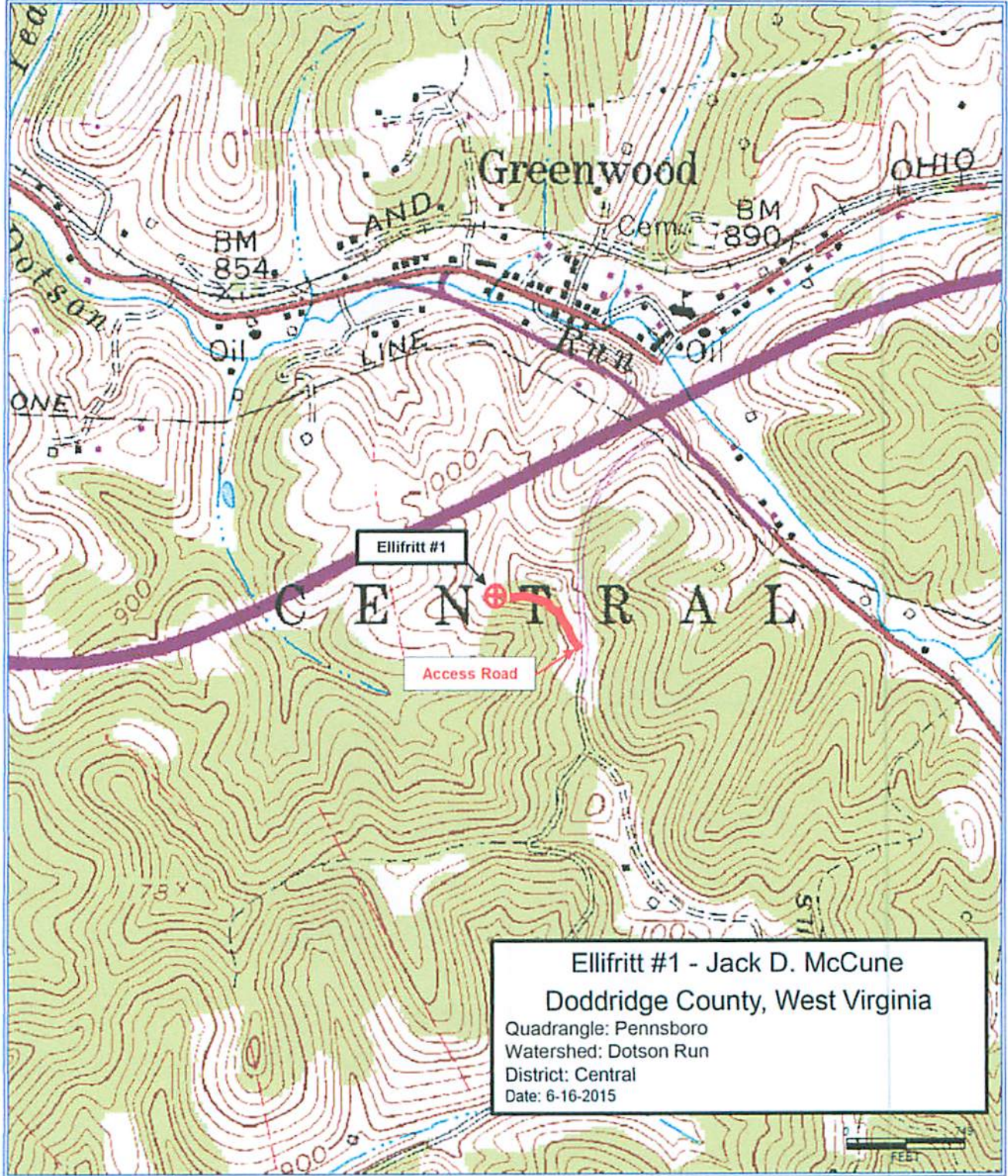
Date: 6-24-2015

Field Reviewed? ( ) Yes ( / ) No

07/03/2015



17-2859





WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-017-02859 WELL NO.: Ellifritt #1  
FARM NAME: Antero Resources Corporation  
RESPONSIBLE PARTY NAME: Jack D. McCune  
COUNTY: Doddridge DISTRICT: Central  
QUADRANGLE: Pennsboro  
SURFACE OWNER: Antero Resources Corporation  
ROYALTY OWNER: James R. Sandstrom  
UTM GPS NORTHING: 4346720.157  
UTM GPS EASTING: 509285.560 GPS ELEVATION: 1062'

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.

Jack D. McCune  
Signature

Title

6/16/2015

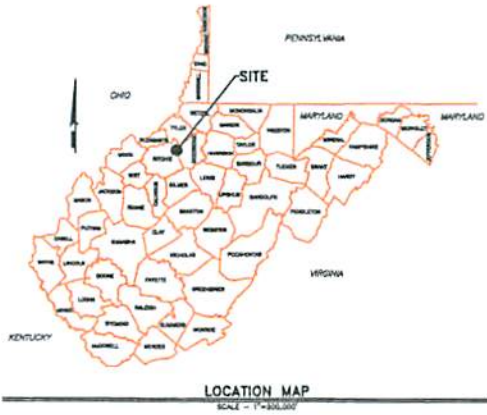
Date

07/03/2015



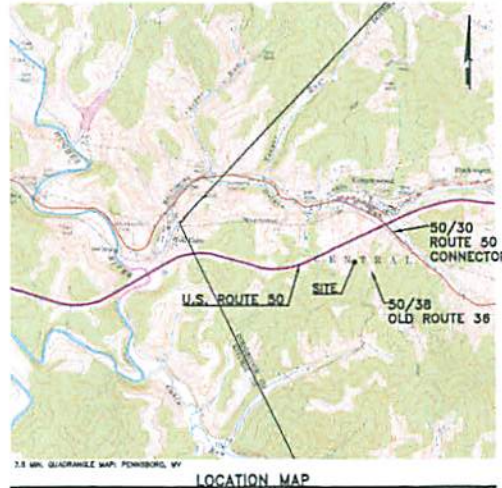
DCW  
6-24-2015

# WELL PLUGGING PLAN FOR API #47-017-02859 ELLIFRITT #1 WELL CENTRAL TAX DISTRICT, DODDRIDGE COUNTY, WV



**GENERAL NOTES**

1. THE TOPOGRAPHIC SURVEY UTILIZED FOR THIS BASE WAS PERFORMED BY RETTEK, FEBRUARY 2015.
2. THE HORIZONTAL DATUM IS WEST VIRGINIA STATE PLANE, NORTH AMERICAN DATUM 1983 (NAD 83), NORTH ZONE.
3. THE VERTICAL DATUM IS WEST VIRGINIA STATE PLANE, NORTH AMERICAN DATUM 1988 (NAD 88).
4. THE UTILITIES SHOWN ON THIS PLAN ARE FOR REFERENCE PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION PRIOR TO EXCAVATION BY NOTIFYING THE UTILITY OF WEST VIRGINIA AT 1-800-245-4848.
5. A MET-LANES PRESENCE/ABSENCE SURVEY WAS PERFORMED BY GAI ASSOCIATES, INC. IN MAY 2015.
6. THE CUT & FILL SUMMARY CALCULATIONS PRESENTED ON THIS PLAN ARE FOR PROMPTING AND INFORMATIONAL PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING GRADINGS AND TO VERIFY EXISTING VOLUMES, METHODS AND PROCEDURES. ANY ISSUES ARE TO BE BROUGHT TO THE ENGINEERS AND OWNERS ATTENTION PRIOR TO COMMENCEMENT OF WORK.
7. ALL EXISTING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION.



**LOCAL ANTERO OFFICE**

175 ELK CREEK ROAD      635 WHITE OAK BLVD.  
M.C. CLINE, WV 26048      BROOKFIELD, WV 26030  
PHONE (304) 862-3842      PHONE (304) 842-4100

**LOCAL CONTACTS**  
EJ BASHNER-ENVIRONMENTAL ENGINEER  
PHONE (304) 842-1088  
CELL (304) 478-8790

JOHN KANAK-OPERATIONS SUPERINTENDENT  
CELL (917) 388-1543

SHAWN BOWETT-CONSTRUCTION SUPERVISOR  
PHONE (304) 842-4341  
CELL (304) 841-0071

ROBERT BRUNS-DESIGN MANAGER  
PHONE (304) 842-1400  
CELL (304) 827-7408

**WEST VIRGINIA 811**  
CALL BEFORE YOU DIG! Dial 811 or 800.245.4848  
West Virginia 811

AT LEAST 48 HOURS, BUT NOT MORE THAN 16 BUSINESS DAYS (EXCLUDING HOLIDAYS AND DELAYS), PRIOR TO ANY EXCAVATION AND BEFORE ANY COMMENCEMENT OF CONSTRUCTION, YOU MUST CONTACT THE UTILITY OF WEST VIRGINIA AT 811 OR 1-800-245-4848.

**SOILS CLASSIFICATION**

- SG1    SILTY-PLASTIC CLAYLOAM, 10 TO 20 PERCENT SILT
- SG2    SILTY-PLASTIC CLAYLOAM, 10 TO 20 PERCENT SILT
- SG3    SILTY-LOAM SILT LOAM, 10 TO 20 PERCENT SILT
- SL    LOAM/CLAY SILT

**LIST OF DRAWINGS**

- 1 OF 3    COVER SHEET
- 2 OF 3    OVERALL GRADING/DESIGN PLAN PHASE 1
- 3 OF 3    NOTES AND DETAILS

**LOCATION COORDINATES**

WV SPHER NORTH, NAD 87	EASTING	EASTING
	AGGREG. BEAM	WELL
WV SPHER NORTH, NAD 87	N 202044.013	N 202044.013
	E 101740.360	E 101740.360
UTM OUTSTAND ZONE 17, NAD83	N 202044.013	N 202044.013
	E 101740.360	E 101740.360
LAT & LONG IN UTM	LAT 39-00-00.0000	LAT 39-00-00.0000
	LONG -82-52-23.330	LONG -82-52-23.330

**RETEK**

COVER SHEET  
WELL PLUGGING PLAN  
API #47-017-02859  
ELLIFRITT #1 WELL

DATE: JUNE 12, 2015  
SHEET NO. 1 OF 3  
DWG. NO. 090402132

CENTRAL TAX DISTRICT      DODDRIDGE COUNTY, WV

NOT FOR CONSTRUCTION/NOT FOR BIDDING



