



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, April 5, 2022

WELL WORK PLUGGING PERMIT
Vertical Plugging

RITCHIE PETROLEUM CORPORATION, INC.
P O BOX 545
PENNSBORO, WV 264150000

Re: Permit approval for GRIFFITH 1
47-085-06853-00-00

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.

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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: GRIFFITH 1
Farm Name: GRIFFITH, J. P. & D. J.
U.S. WELL NUMBER: 47-085-06853-00-00
Vertical Plugging
Date Issued: 4/5/2022

Promoting a healthy environment.

04/08/2022

PERMIT CONDITIONS

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

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B
Rev. 2/01

1) Date MARCH 3RD, 2022
2) Operator's
Well No. GRIFFITH #1
3) API Well No. 47-085 - 0853

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 870 Watershed IRISH RUN
District CLAY County RITCHIE Quadrangle ELLENBORO
- 6) Well Operator RITCHIE PETROLEUM CORP 7) Designated Agent Jarret Shepherd
Address 203 MASONIC PARK RD Address PO BOX 545
PENNSBORO, WV 26415 PENNSBORO, WV 26415
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name DEREK HAUGHT Doug Newlon Name PATCHWORK OIL & GAS, LLC
Address PO BOX 85 Address PO BOX 168
SMITHVILLE, WV 26178 DAVISVILLE, WV 26142

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

WORK ORDER ATTACHED AS NEXT PAGE

RECEIVED
Office of Oil and Gas

MAR 24 2022

WV Department of
Environmental Protection

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 Date 3-11-2022

04/08/2022

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4708506853

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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GRIFFITH #1
47-085-06853

Run bond log when necessary to find cement top. Gel spacers in between all cement plugs. Use Class A cement with no more than 3% CaCl₂ and no other additives on all plugs.

1. Prepare plugging permit application.
2. Certify to surface and coal owners as necessary.
3. Certify and/or email to designated State Inspector for review and signature.
4. Once all signatures are obtained, copy for records and certify to State level for approval.
5. Receive plugging permit; good for 2 years.
6. Notify designated State Inspector 24 hours prior to commencing operations.
7. Move rig and equipment to location.
8. Attempt to clean out well bore, pull rods and tubing. If necessary.
9. Verify total depth, IF TD IS GREATER THAN 4250', THEN SET 100' BOTTOMHOLE PLUG, AND 100' PIPE FROM 4300'-4200'
10. Run tubing to the bottom and pump GEL FROM 4200' TO 3900', THEN SET 90' CEMENT PLUG FROM 3900' TO 2980'.
11. Pull tubing back and wait for cement to set.
12. Run in, tag plug, add additional cement, if necessary.
13. Run 6% Bentonite gel
14. Look for casing free point. $\approx 2000'$
15. Cut 4 1/2 and remove salvage, if any.
16. Place second plug (CASING CUT) 50' below to 50' above casing cut. (100' minimum)
17. Pull tubing back and wait for cement to set.
18. Run in, tag plug, add additional cement, if necessary.
19. Place third plug (SURFACE PLUG) from 100' to surface
20. Pull tubing out.
21. Set regulation size MONUMENT with concrete and add appropriate identification.
22. Rig down, move out.
23. Reclaim
24. Prepare WR-34 & WR-38 for permit release.

19a. GEL TO 981' AND SET 100' CEMENT PLUG FROM 1050' TO 950' (4 5/8" CASING SIZE),
19b. MAKE SURE GEL IS TO 100', BEFORE SETTING SURFACE PLUG.

★ IF 8 5/8" WAS NOT CEMENTED TO SURFACE, THEN FREEPOINT
8 5/8" , CUT & PULL FREE CASING AND CEMENT TO SURFACE.

JMM

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Office of Oil and Gas

MAR 24 2022

WV Department of
Environmental Protection

04/08/2022

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MAR 5 - 1984

OIL & GAS DIVISION
DEPT. OF MINES



4708506853P

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date 2-28-84
Operator's Well No. Griffith #1
Farm Paul Griffith
API No. 47 - 085 - 6853

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)
LOCATION: Elevation: 870 Watershed Irish Run
District: Clay County Ritchie Quadrangle Ellenboro

COMPANY Beacon Resources Corporation
ADDRESS #1 17th St. Vienna, WV 26105
DESIGNATED AGENT John Smittle
ADDRESS #1 17th St. Vienna, WV 26105
SURFACE OWNER Jacob P. & Donna J. Griffith
ADDRESS Box 264, Ellenboro, WV 26346
MINERAL RIGHTS OWNER SAME AS ABOVE
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK - Sam Hershman
ADDRESS Middlebourne, WV
PERMIT ISSUED 1-25-84
DRILLING COMMENCED 2-3-84
DRILLING COMPLETED 2-7-84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9.5/8			
8 5/8	981	981	250 Sk.
7			
5 1/2			
4 1/2	4210	4210	400 Sk.
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Marcellus Depth 5200 feet
Depth of completed well 4250 feet Rotary / Cable Tools _____
Water strata depth: Fresh 800 feet; Salt 0 feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Speechly/Balltown Pay zone depth 3100-3940 feet
Gas: Initial open flow 10 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 190 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests .72 hours
Static rock pressure 1100# psig (surface measurement) after 8 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

6853

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MAR 24 2022

WV Department of
Environmental Protection
04/08/2022

(Continued on reverse of page)

GRIFFITH #1 47-085-6853

4708506853P

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

PERFORATED: 63 HOLES 5130 - 3936 ✓
 FRACTURE: 1st Stage: Broke at 3050# 800M SCF N₂
 2nd Stage: Broke at 2875# 14MM SCF N₂
 3rd Stage: Broke at 2600# 800M SCF N₂

DEPT. OF MINES

Big Pix
4 1/2 only to 4210

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Pennsylvanian Systems			Surface	1000	
1st Cow Run Sandstone			1020	1030	
2nd Cow Run Sandstone			1136	1250	
Salt Sands			1330	1620	
Maxton Sandstone			1730	1766	
Greenbrier Limestone			1790	1950	
Big Injun Sandstone			1950	1970	
Siltstone & Shale			2000	2400	
Berea			2432	2440	
Siltstone & Shale			2400	4000	
Gantz			2430	2440	
Gordon			2720	2734	
Tiona			2750	2770	
Speechly/ Balltown Shale			3150 3940	3940 4250	

Surface 100'
 casing cut 100'
 bottom/perf 3936 - 4210

Handwritten signatures and initials in blue ink.

(Attach separate sheets, as necessary)

BEACON RESOURCES CORPORATION
 Well Operator

By: [Signature] President
 Date: 2-28-84

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 Office of Oil and Gas

MAR 24 2022

Note: This log shall mean a systematic geological description of all formations, including

WV Department of
 Environmental Protection
 04/08/2022

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AUG 17 1984

4708506853P

Date: 7-17-1984

OIL & GAS DIVISION
DEPT. OF MINES

Operator's Well No. GRIFFITH #1
API Well No. 47-085-6853
State County Permit

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

WELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR BEACON RESOURCES CORP.
Address: PO BOX 5370
VIENNA, WV 26105

DESIGNATED AGENT JOHN SMITTLE
Address: PO BOX 5370
VIENNA, WV 26105

GEOLOGICAL TARGET FORMATION: MARCELLUS Depth 5200 feet
Perforation Interval 3089-4184 feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.0)
- 5- Separate Form IV-38 for each producing formation in a multiple completion

TEST DATA				
START OF TEST-DATE <u>4-7-84</u>	TIME <u>10:00AM</u>	END OF TEST-DATE <u>4-8-84</u>	TIME <u>10:00AM</u>	DURATION OF TEST <u>24 HRS</u>
TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE	
	<u>180-70</u>	<u>180-70</u>		
OIL PRODUCTION DURING TEST <u>1</u> bbls.	GAS PRODUCTION DURING TEST <u>51</u> Mcf	WATER PRODUCTION DURING TEST & SALINITY bbls. DDF.		
OIL GRAVITY <u>54</u> °API	PRODUCING METHOD (Flowing, pumping, gas lift, etc.) <u>FLOWING</u>			

GAS PRODUCTION			
MEASUREMENT METHOD FLANGE TAP <input checked="" type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/>	POSITIVE CHOKE CRITICAL FLOW TROVER <input checked="" type="checkbox"/>		<input type="checkbox"/>
ORIFICE DIAMETER <u>3"</u>	PIPE DIAMETER (INSIDE DIAM.) <u>2.067</u>	NOMINAL CHOKE SIZE - IN. <u>16/64</u>	
DIFFERENTIAL PRESSURE RANGE <u>20"</u>	MAX. STATIC PRESSURE RANGE <u>500</u>	PROVER & ORIFICE DIAM. - IN.	
DIFFERENTIAL <u>20"</u>	STATIC <u>60</u>	GAS GRAVITY (AIR=1.0) MEASURED <input checked="" type="checkbox"/> ESTIMATED	
GAS GRAVITY (AIR=1.0) <u>75</u>	FLOWING TEMPERATURE	GAS TEMPERATURE	
24 HOUR COEFFICIENT	24 HOUR COEFFICIENT		
	PRESSURE - psia		

TEST RESULTS			
DAILY OIL <u>1</u> bbls.	DAILY WATER <u>0</u> bbls.	DAILY GAS <u>51</u> Mcf.	GAS-OIL RATIO <u>51</u> SCF/STB

GRS

BEACON RESOURCES CORP.
Well Operator

By: JOHN SMITTLE
Its: _____

FORM 14-340C
(12-78)

Date 2-28- 19 84

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

Operator's Well No. Griffith #1
API Well No. 085 6853
State County Forest

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

MGPA Section 103

DESIGNATED AGENT John Smittle
ADDRESS #1 17th St.
Vienna, WV 26105

WELL OPERATOR Beacon Resources, Corp.
ADDRESS #1 17th St.
Vienna, WV 26105

LOCATION: Elevation 870
Watershed Irish Run
Dist. Clyd County Ritchie Quad Ellenboro

GAS PURCHASER Consolidated Gas Supply
ADDRESS 445 West Main St.
Clarksburg, WV 26301

Purchase Contract No. APPLIED FOR ONLY
Meter Chart Code _____
Date of Contract _____

Date surface drilling was begun: 2-3-84

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

$$BHP = P_1 + P_1 \left[e^{(G/53.34 Tr)} - 1 \right] = 1128$$

$$P_1 = 1100$$

$$e = 2.71828$$

$$G = .762$$

$$L = 3543$$

$$Tr = 534$$

AFFIDAVIT

I, Walter Allen, having been first sworn according to law that surface drilling of the well for which this determination is sought was begun on or after February 14, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a production 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 14, 1977; and which is 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.

[Handwritten Signature]

STATE OF WEST VIRGINIA,
COUNTY OF WOOD TO WIT:

I, Barbara J. Gibbons, a Notary Public in and for the state and county aforesaid, do certify that Walter Allen, whose name is signed to the writing above, bearing date the 28th day of February, 19 84, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 28th day of February, 19 84. My term of office expires on the 14th day of MARCH, 19 89.

(NOTARIAL SEAL)

[Handwritten Signature: Barbara J. Gibbons]
Notary Public

WW-4A
Revised 6-07

1) Date: 03/03/2022
2) Operator's Well Number
GRIFFITH #1

3) API Well No.: 47 - 085 - 08853

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>JACOB P. GRIFFITH</u>	Name <u>N/A</u>
Address <u>PO BOX 264</u>	Address _____
<u>ELLENBORO, WV 26346</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>DEREK HAUGHT</u> <u>Doug Newlon</u>	(c) Coal Lessee with Declaration
Address <u>PO BOX 85</u>	Name <u>N/A</u>
<u>SMITHVILLE, WV 26178</u>	Address _____
Telephone <u>304-206-7613</u> <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 RITCHIE PETROLEUM CORP.
 By: [Signature]
 Its: President
 Address 203 MASONIC PARK RD.
PENNSBORO, WV 26415
 Telephone 304-659-2123

Subscribed and sworn before me this 9th day of March, 2022
[Signature] Notary Public
 My Commission Expires Feb 13, 2026

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Office of Oil and Gas
MAR 24 2022

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.

04/08/2022

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7017 1450 0001 9492 7647

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Ellenboro, WV 26346

OFFICIAL USE

Certified Mail Fee	\$3.75
\$	\$3.05
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.78
\$	\$0.78
Total Postage and Fees	\$7.58
\$	\$7.58

0763
25

Postmark
Here

03/09/2022

Sent To Jacob Griffith
 Street and Apt. No., or PO Box No. P.O. Box 204
 City, State, ZIP+4® Ellenboro WV 26346

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Office of Oil and Gas

MAR 24 2022

WV Department of
Environmental Protection

04/08/2022

SURFACE OWNER WAIVER

4708506853 P

Operator's Well
Number

GRIFFITH #1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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

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

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

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

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date
04/08/2022

WW-4B

API No. 47-085-06853 P
Farm Name Griffith
Well No. #1

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ____ / owner ____ / lessee ____ / of the coal under this well location has examined this proposed plugging work order. 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.

Date: _____

By: _____

Its _____

04/08/2022

4708506853 P

WW-9
(5/16)

API Number 47 - 085 .06853
Operator's Well No. Griffith #1

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

Operator Name RITCHIE PETROLEUM CORP. OP Code 308319

Watershed (HUC 10) IRISH RUN Quadrangle ELLENBORO

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 _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain WE USE A VAC TRUCK FOR ANY FLUIDS ASSOCIATED WITH PLUGGING.)

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. N/A

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) N/A

-Landfill or offsite name/permit number? N/A

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 J. W. Shepherd
Company Official (Typed Name) Janet W. Shepherd
Company Official Title Treasurer

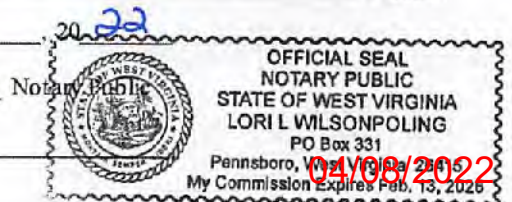
RECEIVED
Office of Oil and Gas
MAR 24 2012

WV Department of
Environmental Protection

Subscribed and sworn before me this 9th day of March

Lori L. Wilson Poling

My commission expires Feb 13, 2026



Proposed Revegetation Treatment: Acres Disturbed 1 ACRE +/- Prevegetation pH

Lime 2 Tons/acre or to correct to pH

Fertilizer type 10-20-10

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre CONTRACTOR SEED 30

Seed Type lbs/acre CONTRACTOR SEED 30

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: Douglas Newlon

Comments:

Title: Oil & Gas Inspector Supervisor Date: 3-11-2022

Field Reviewed? (/) Yes () No

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MAR 24 2022

WV Department of Environmental Protection 04/08/2022

Ellenboro

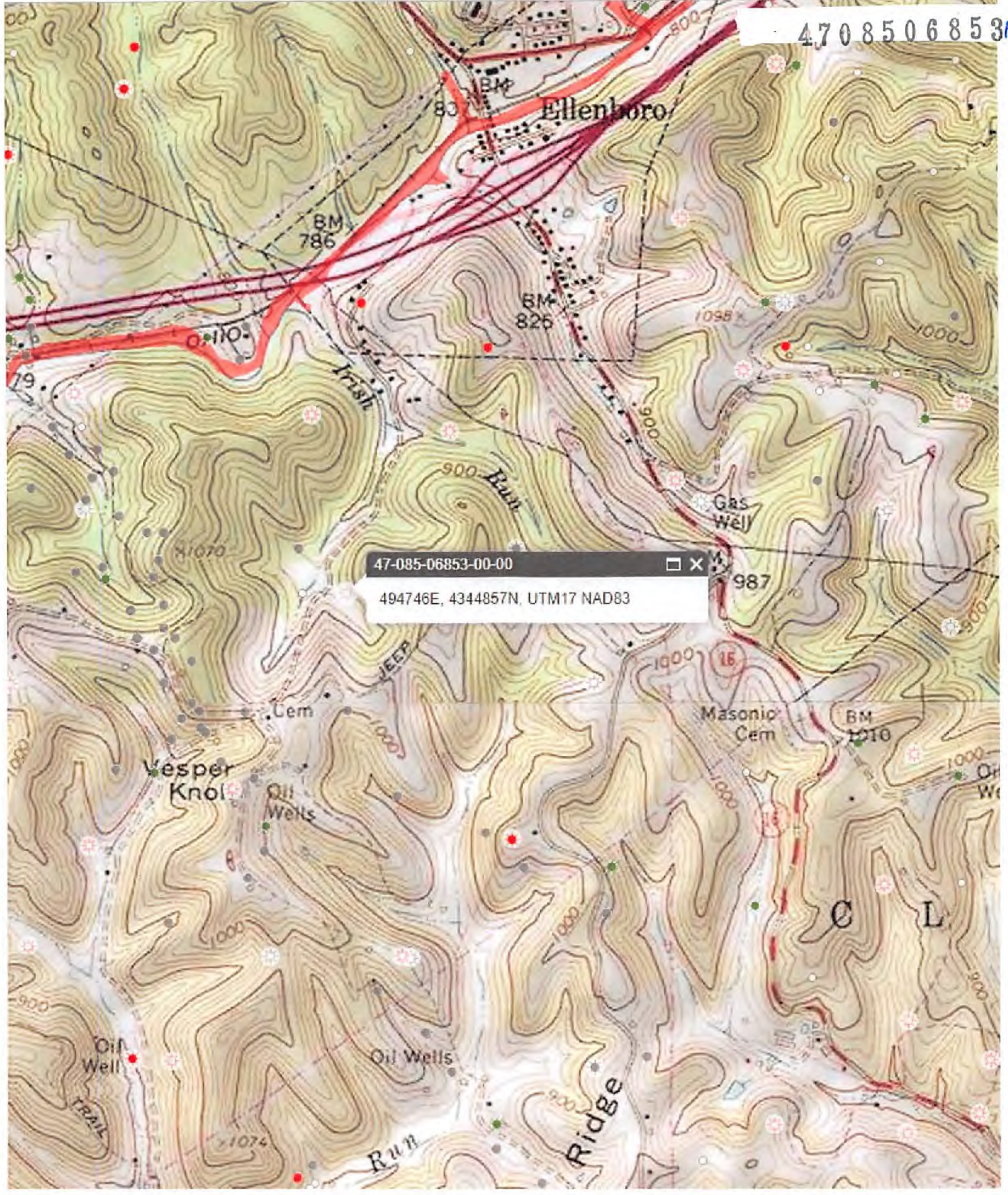
Mushers Run

Fish Run

47-085-06853-00-00

494746E, 4344857N, UTM17 NAD83

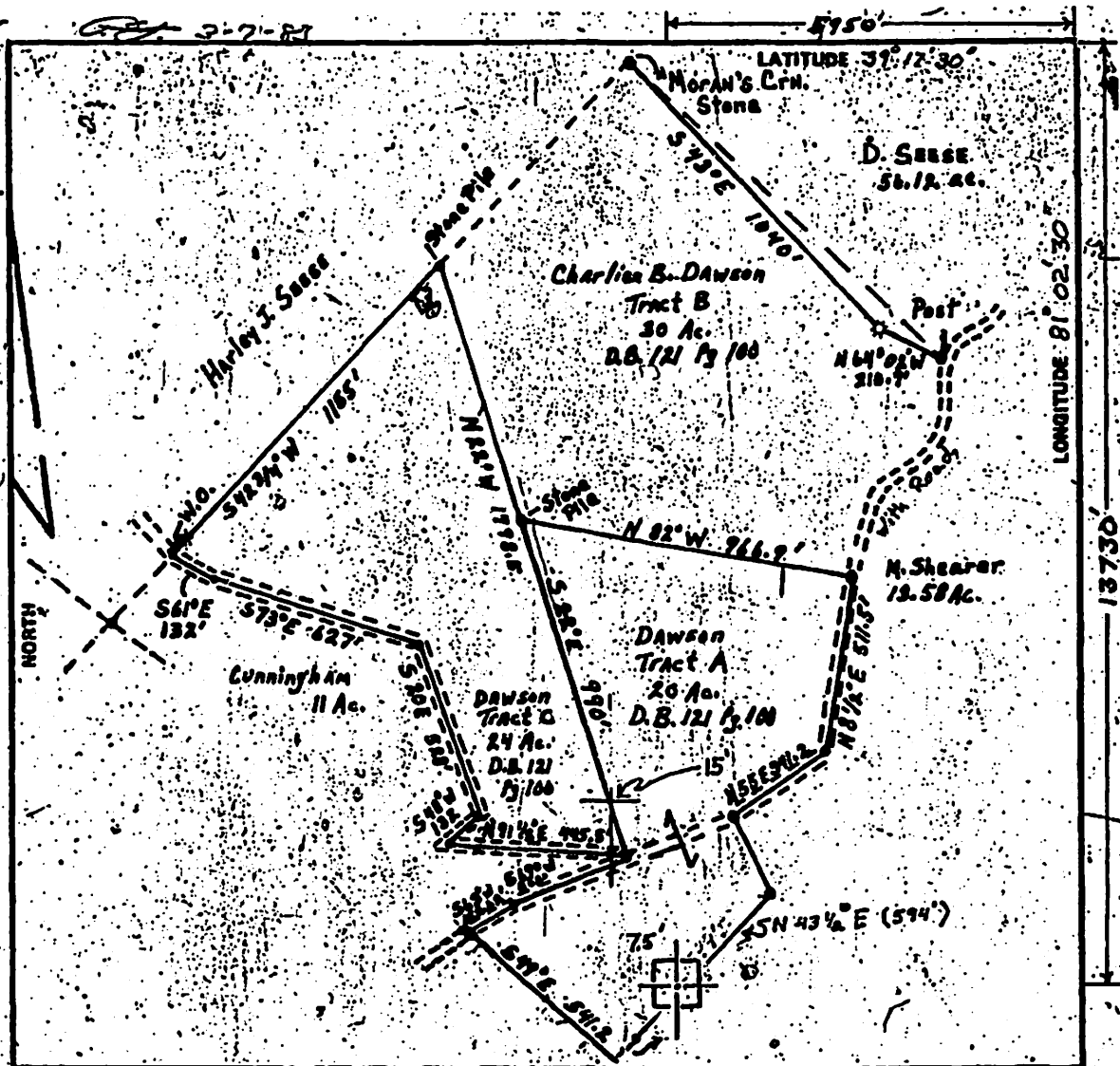
4708506853P



47-085-06853-00-00

494746E, 4344857N, UTM17 NAD83

04/08/2022



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B.M. 799

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) George P. Hines
 R.P.E. 8879 L.L.S.

PLACE SEAL HERE

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



DATE February 1, 1993
 OPERATOR'S WELL NO. EPI 411
 API WELL NO. 47-85-6303
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 845 ASL WATER SHED Harbors Run
 DISTRICT Clay COUNTY Bickie
 QUADRANGLE Ellenboro 75
 SURFACE OWNER A. Dawson & B. D. Hines ACREAGE 76 Ac.
 OIL & GAS ROYALTY OWNER Same LEASE ACREAGE 76 Ac.

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 Marcellus Shale ESTIMATED DEPTH 5980'
 WELL OPERATOR Appland Resources DESIGNATED AGENT T. Steven Landwright
 ADDRESS PO Box 56 ADDRESS PO Box 56
Ellenboro, WV Ellenboro, WV

KIT 6303

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-085-06853 WELL NO.: #1
 FARM NAME: GRIFFITH
 RESPONSIBLE PARTY NAME: RITCHIE PETROLEUM CORP
 COUNTY: RITCHIE DISTRICT: CLAY
 QUADRANGLE: ELLENBORO
 SURFACE OWNER: JACOB P. GRIFFITH
 ROYALTY OWNER: JACOB P. GRIFFITH
 UTM GPS NORTHING: 4344857.4
 UTM GPS EASTING: 494745.6 GPS ELEVATION: 870'

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 XX

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.

J. A. W. S. J. D.
Signature

Treasurer
Title

3-9-22
Date

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MAR 24 2022

WV Department of
Environmental Protection

04/08/2022

	Well API	Current operator	Surface Owner	Well Number
1)	4708506853	RITCHIE PETROLEUM CORPORATION, INC.	GRIFFITH, J. P. & D. J.	GRIFFITH 1

well bonded



McLaughlin, Jeffrey W
<jeffrey.w.mclaughlin@wv.gov>

Re: Message from MFD 2064

1 message

Newlon, Douglas C

Tue, Mar 29, 2022 at

<Douglas.C.Newlon@wv.gov>

2:58 PM

To: "McLaughlin, Jeffrey W" <jeffrey.w.mclaughlin@wv.gov>

Looks good to me. You want me to print and sign or is this email ok to verify I am ok?

On Tue, Mar 29, 2022 at 2:52 PM McLaughlin, Jeffrey W <jeffrey.w.mclaughlin@wv.gov> wrote:

Take a look at this plugging procedure for 47-085-06853.

Jeff McLaughlin

----- Forwarded message -----

From: <Copy.Center.2064@wv.gov>

Date: Tue, Mar 29, 2022 at 2:46 PM

Subject: Message from MFD 2064

To: <jeffrey.w.mclaughlin@wv.gov>

04/08/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit API: 47-085-06853)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Apr 5, 2022 at 3:18 PM

To: Jessica Lott & Roger Whited <patchworkoilgas@yahoo.com>, Arlene Mossor <amosor@wvassessor.com>, Douglas Newlon <douglas.c.newlon@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-085-06853 - GRIFFITH 1

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304


(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

 **IR-8 Blank.pdf**
228K

 **47-085-06853 - Copy.pdf**
2134K

04/08/2022