



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, August 12, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

CORE APPALACHIA OPERATING LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 3884
47-039-02998-00-00

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: 3884
Farm Name: DONA THURSTON
U.S. WELL NUMBER: 47-039-02998-00-00
Vertical Plugging
Date Issued:

Promoting a healthy environment.

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.

1) Date July 14, 2020
2) Operator's Well No. 803884
3) API Well No. 47-039-02998

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 ~~222~~ m 1980 ft Watershed King Shoals Run
District Big Sandy County Kanawha Quadrangle Clio

6) Well Operator Core Appalachia, LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name R & J Well Services, Inc.
Address P.O. Box 1207 Address P.O. Box 40
Clendenin, WV 25045 Hueysville, KY 41640-0040

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

SEE ATTACHED SHEET

RECEIVED
Office of Oil and Gas

JUL 22 2020

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 [Signature] Date 7-20-20

PLUGGING PROGNOSIS

803884
West Virginia, Kanawha County
API # 47-039-02998

Completed by J.M.
Updated 11/5/2019

Casing Schedule

- 8 1/4" csg @ 638'
- 6 5/8" csg @ 1625'
- 3" csg @ 1790' w/ 3" x 5 3/16" x 16" packer set at 1653'
 - Perforated at 1771'- 1785' & 1694'- 1701'
- TD @ 1980' - 1790'

Completion: shot

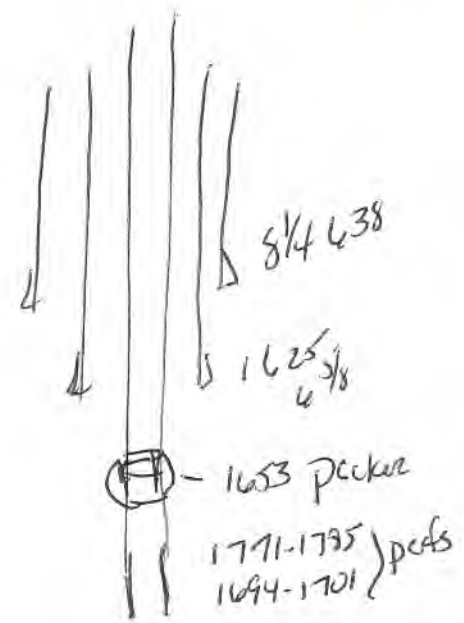
Fresh Water: 100'

Gas Shows: 1628'- 1629', 1687'- 1696', 1723'- 1730'

Oil Shows: 1090'

Elevation: 980'

Coal: 311'- 313', 340'- 342', 433'- 434', 591'- 596'



Operator will try to pull 3" casing before perforating

1. Notify inspector, Terry Urban @ 304-549-5915, 48 hrs. prior to commencing operations.
2. Check and record pressure on csg.
3. Check TD w/ wireline
4. Free point 3" csg and cut 3" csg. Set 100' C1A cement plug across the csg cut. 50' in/out of cut. Do not omit any plugs below. Perforate as needed.
5. TIH w/ tbg to 1730'. Load well as needed w/ 6% bentonite gel. Pump 155' C1A cement plug 1730'- 1575' (Gas Shows and 6 5/8" csg seat)
6. TOOH w/ tbg to 1575'. Pump 6% bentonite gel from 1575'- 1090'
7. TOOH w/ tbg. Free point 6 5/8" csg and cut 6 5/8" csg. Set 100' C1A cement plug across the csg cut. 50' in/out of cut. Do not omit any plugs below. Perforate as needed.
8. TIH w/ tbg to 1090'. Pump 210' C1A cement plug 1090'- 880' (Oil Show & Elevation)
9. TOOH w/ tbg to 880'. Pump 6% bentonite gel from 880'- 685'
10. TIH w/ tbg to 685'. Pump 144' C1A cement plug 685'- 541' (Coal & 8 1/4" csg seat) OK
11. TOOH w/ tbg to 541'. Pump 6% bentonite gel from 541'- 484' coal-cut
12. TOOH w/ tbg. Free point 8 1/4" csg and cut 8 1/4" csg. Set 100' C1A cement plug across the csg cut. 50' in/out of cut. Do not omit any plugs below. Perforate as needed.
13. TIH w/ tbg to 484'. Pump 223' C1A cement plug 484'- 261' (3 Coal Shows)
14. TOOH w/ tbg to 261'. Pump 6% bentonite gel from 261'- 100'
15. TIH w/ tbg to 100'. Pump 100' C1A cement plug from surface'- 100' (surface) OK
16. Erect monument with API#, date plugged, & company name.
17. Reclaim location and road to WV-DEP specifications.

Will not set until casing is pulled or cut

will set 200 plug

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WV Department of Environmental Protection

Ag with the coal & gas must come all pays
coal, 1/2 water

7-20-20

SERIAL WELL NO. 3884

LEASE NO. 2149-15532-

MAP SQUARE 82-69

20052

47-039-02998P

7/16/29

RECORD OF WELL No. 3884
 BROWN, Goshorn & Swan Farm of 1/8 & 5/8 of 1908±
 in Big Sandy, District
 Kanawah, County
 Clendenin Field, State of W. Va.

Rig Commenced May 1, 1929. 192
 Rig Completed May 9, 1929. 192
 Drilling Commenced May 25, 1929. 192
 Drilling Completed July 10, 1929. 192
 Drilling to cost 1.75 per foot 3123.75
 Contractor is: W. F. Tiffany,
 Address: Clendenin, W. Va.

Drillers' Names M. E. Hawkins,
 Boyd Watson.

Elevation 978

CASING AND TUBING		
SIZE	USED IN DRILLING	LEFT IN WELL
10		
13		
10		
8 1-4	638	638
6 5-8	1625 1/2	1625 1/2
5 3-16		
4 7-8		
4		
3	1790	1790
2		

TEST BEFORE SHOT
 of Water in Inch
 10ths of Merc. in Inch
 10ths Volume 1,847.400 Cu. ft.

TEST AFTER SHOT
Well not shown
 of Water in Inch
 10ths of Merc. in Inch
 10ths Volume Cu. ft.
 257 in 3' tubing
 Rock Pressure 400' in 6 1/2'

SHUT IN
 Date July 10, 1929.
 Tubing or 3" in
 Well abandoned and
 Size of Packers 3 X 2-3/16 X 16' 10"
 Kind of Packers ~~Anchor~~ Anchor set at 1653' 3"
 1st Perf. Set 14' from 1771' to 1785'
 2nd Perf. Set 7' 8" from 1724' 9" to 1732' 5"
 7' 9" from 1694' to 1701' 9"

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor	0	14	14	
Red Rock	14	30	16	
Blue Clay	30	50	10	
Sand white	50	100	50	1 bailer water per hour 80'.
White slate	100	105	5	
White Sand	105	230	125	
Grey Lime	230	280	50	
White Sand	280	311	31	
COAL	311	313	2	
Black Slate	313	318	5	
White Sand	318	340	22	
COAL S.L.M.	340	342	2	S.L.M.
White Sand	342	385	43	
White Slate	385	395	10	
Grey Sand	395	433	38	
COAL S.L.M.	433	434	1	S.L.M.
Dark slate	434	440	6	
Lime	440	464	24	
Dark Slate	464	496	2	
White Sand	496	535	39	
Dark Slate	535	541	6	
White Sand	541	560	19	
Light Slate	560	584	24	
White Lime	584	591	7	
COAL S.L.M.	591	596	5	
Dark Slate	596	625	29	
Grey Lime	625	645	20	8 1/2" Casing on shoe at 632' S.L.M.
Dark Slate	645	660	15	
White Lime	660	665	5	Continued on sheet 2.

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 WV Department of
 Environmental Protection

039-2998

RECORD OF WELL No.		on the	CASING AND TUBING			TEST BEFORE SHOT	
in	Farm of	Acres	SIZE	USED IN DRILLING	LEFT IN WELL	.....of Water in.....incl	
	District	County	16			10ths.....of Merc. in.....incl	
	Field, State of		13			10ths.....Volume.....Cu. ft	
			10			TEST AFTER SHOT	
Rig Commenced		102	8 1-4			.....of Water in.....incl	
Rig Completed		102	6 5-8			10ths.....of Merc. in.....incl	
Drilling Commenced		102	5 3-16			10ths.....Volume.....Cu. ft	
Drilling Completed		102	4 7-8			Rock Pressure.....	
Drilling to cost	per foot		4			Date Shot.....	
Contractor is:			3			Size of Torpedo.....	
Address:			2			Oil Flowed.....bbls. 1st 24 hrs	
Drillers' Names			SHUT IN			Oil Pumped.....bbls. 1st 24 hrs	
			Date.....			Well abandoned and	
			.....in Tubing or Casing			Plugged.....10.....	
			Size of Packer.....				
			Kind of Packer.....				
			1st Perf. Set.....from.....				
			2nd Perf. Set.....from.....				

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Little Dunkard white Slate	665	732	67	
GAS SAND	740	835	95	
Slate & Shell	835	892	57	
Broken Lime	892	900	8	
Slate	900	910	10	
1st SALT SAND	910	953	43	
Slate	953	965	12	
Grey Lime	965	990	25	
Slate & Shell	990	1005	15	
2nd. SALT SAND	1005	1055	50	6 bailer water per hour at 1025.
Slate	1055	1061	6	
3rd. SALT SAND	1061	1430	369	show of ^{Oil} gas at 1090, hole full of wat at 1150'.
White Slate	1430	1440	10	
Red Rock	1440	1455	15	
white Lime	1455	1460	5	
Dark slate	1460	1470	10	
MAXON SAND	1470	1525	55	
Little Lime	1525	1545	20	
White Slate	1545	1557	12	
Gritty Lime	1557	1581	24	
BIG LIME	1581 S.L.M.	1671	90	6-5/8" Csg. on O.W.S. 6-5/8x8 1/2x10"
Bottom hole packer set at	1607' S.L.M.			Hole reduced at 1634' S. L.M.
Gas	1628	1629	1	6/10 water 1"
BIG INJUN S.L.M.	1671	1698	27	
GAS PAY S.L.M.	1687	1691	4	4/10 water 2"
GAS Pay	1693	1696	3	38/10 water 3" S.L.M.
Slate	1698	1717	19	

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WV Department of
Environmental Protection

Continued on sheet # 3.

SERIAL WELL NO. 3884

LEASE NO. _____

MAP SQUARE _____

RECORD OF WELL No.	on the	CASING AND TUBING			TEST BEFORE SHOT		
		Farm of	Acres	SIZE	USED IN DRILLING	LEFT IN WELL	.....of Water in..... inch
in	District			10		10ths	.....of Merc. in..... inch
	County			13		10ths	Volume.....Cu. ft.
Field, State of				10			TEST AFTER SHOT
Rig Commenced	102			8 1-4		.....of Water in..... inch	.....of Water in..... inch
Rig Completed	102			6 5-8		10ths	.....of Merc. in..... inch
Drilling Commenced	102			5 3-10		10ths	Volume.....Cu. ft.
Drilling Completed	102			4 7-8			Rock Pressure.....
Drilling to cost	per foot			4			Date Shot.....
Contractor is:				3			Size of Torpedo.....
Address:				2			Oil Flowed.....bbls. 1st 24 hrs.
Drillers' Names				SHUT IN			Oil Pumped.....bbls. 1st 24 hrs.
				Date.....			Well abandoned and
				.....in	Tubing or Casing		Plugged.....10.....
				Size of Packer.....			
				Kind of Packer.....			
				1st Perf. Set.....from.....			
				2nd Perf. Set.....from.....			

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
SQUAW SAND S.L.M.	1717	1735	18	
GAS Pay	1723	1725	2	58/10 water 3" S.L.M.
GAS Pay	1728	1730	2	10/10 mercury 3" S.L.M.
Slate	1735	1750	15	
Lime Shell	1750	1757	7	
Red Rock	1757	1762	5	
Slate & Shell	1762	1785	23	
TOTAL DEPTH S.L.M.		1785		
Tubed and shut in July 10, 1929. Final open flow test 10/10 mercury 3".				
one hour pick up, 1.247.000				
1 min 120r	6 min 195r	15 min 210r		
2 min 145r	7 min 200r	20 min 215r		
3 min 170r	8 min 202r	30 min 217r		
4 min 185r	9 min 205r	1 hour 220r		
5 min 190r	10 min 205r			

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WV Department of
Environmental Protection

Approved H. W. Adams Supt.
Clead. Dist.

47-039-02998 P

WW-4A
Revised 6-07

1) Date: July 14, 2020
2) Operator's Well Number
803884

3) API Well No.: 47 - 039 - 02998

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>Donna Thurston</u>	Name _____
Address <u>P.O. Box 764</u>	Address _____
<u>Clendenin, WV 25045</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Geary Land Company</u>
_____	Address <u>Attn: Jeff Brown - P.O. Box 88</u>
(c) Name _____	<u>Charleston, WV 25321</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-549-5915</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 Core Appalachia, LLC
 By: [Signature] Jeff Mast
 Its: Director of Production
 Address P.O. Box 6070
Charleston, WV 25362
 Telephone 304-543-6988

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Office of Oil and Gas
JUL 17 2020
WV Department of
Environmental Protection

Subscribed and sworn before me this 14th day of July, 2020
Phyllis A. Copley Notary Public
 My Commission Expires September 16, 2023

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 depprivacyoffier@wv.gov.

803884
47-039-02998P

7017 1450 0002 3854 0856

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CLENDENIN, WV 25045

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Certified Mail Fee	\$3.55	
Extra Services & Fees (check box, add fee as appropriate)	\$2.85	
<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	\$1.40	
Total Post	\$7.80	

Sent To: 803884 P&A
Street and: Donna Thurston
City, State: P.O. Box 764
Clendenin, WV 25045

Postmark Here: 0523 03
Date: 07/16/2020

PS Form 3854, see reverse for instructions

7017 1450 0002 3854 0849

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CHARLESTON, WV 25321

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Certified Mail Fee	\$3.55	
Extra Services & Fees (check box, add fee as appropriate)	\$2.85	
<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	\$1.40	
Total Post	\$7.80	

Sent To: 803884 P&A
Street and: Geary Land Company
City, State: Attn: Jeff Brown
P.O. Box 88
Charleston, WV 25321

Postmark Here: 0523 03
Date: 07/16/2020

PS Form 3854, see reverse for instructions

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Office of Oil and Gas
JUL 17 2020
WV Department of
Environmental Protection

WW-4B

API No. 47-039-02998 P
Farm Name Brown, Goshorn & Swan
Well No. 803884

**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: 7/24/2020

Geary Land Company
By: James Brown
Its President

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JUL 29 2020
WV Department of
Environmental Protection

47-039-02998P

WW-9
(5/16)

API Number 47 - 039-02998
Operator's Well No. 803884

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

Operator Name Core Appalachia, LLC OP Code 494518671

Watershed (HUC 10) King Shoals Run (05050007094) Quadrangle Clio

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: Plugging returns/Cement

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

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 Any fluid recovered will be hauled and disposed of properly)

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

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Office of Oil and Gas

Company Official Signature [Signature]

JUL 22 2020

Company Official (Typed Name) Jeff Mast

Company Official Title Director of Production

WV Department of Environmental Protection

Subscribed and sworn before me this 14th day of July, 20 20

Phyllis A. Copley
September 16, 2023

Notary Public

My commission expires _____



1 +/-

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer type 10-20-20 or equivalent
 Fertilizer amount _____ lbs/acre
 Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

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: [Signature]

Comments: _____

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WV Department of
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Title: [Signature] Date: 7-20-20

Field Reviewed? Yes No



Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

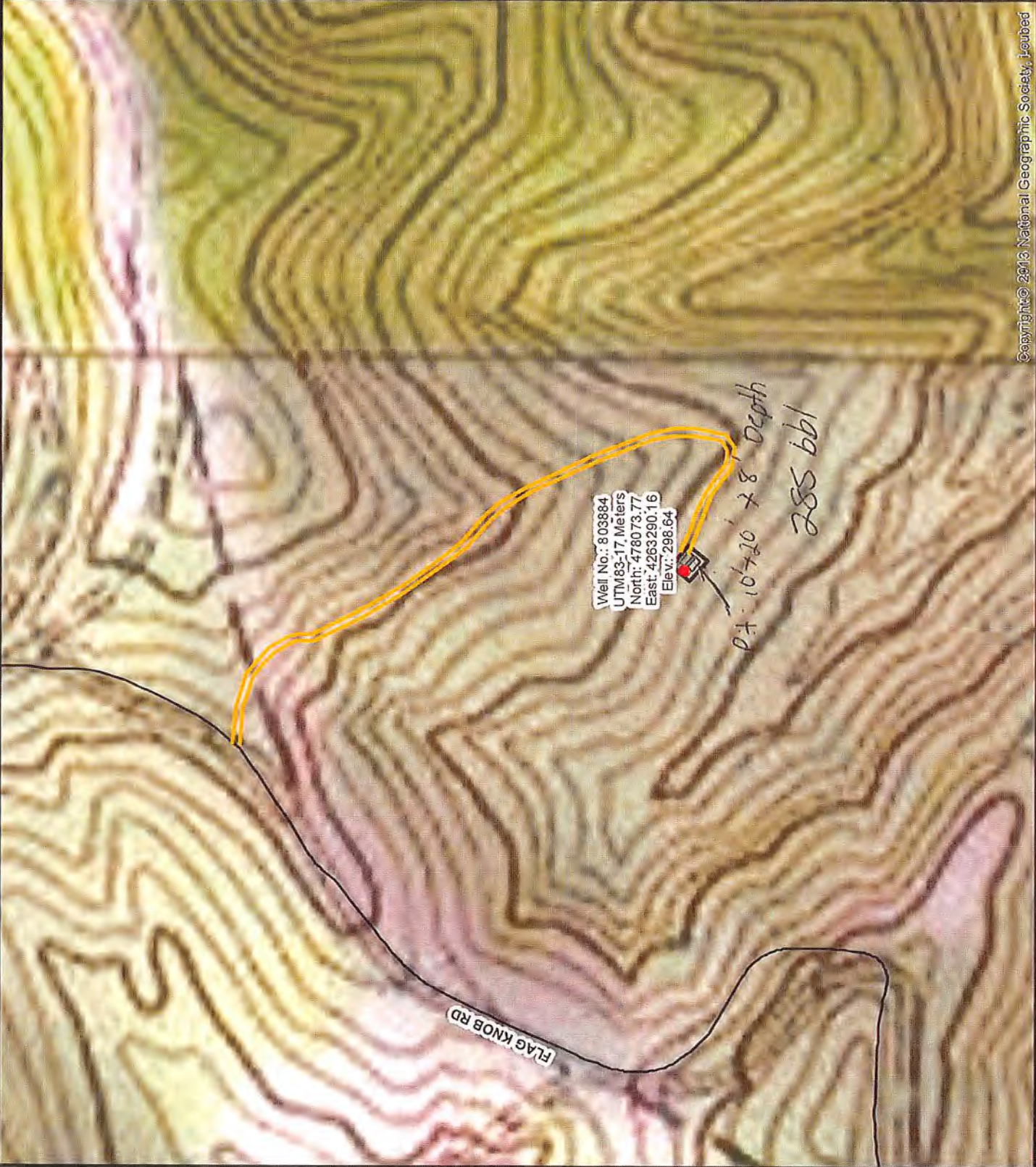
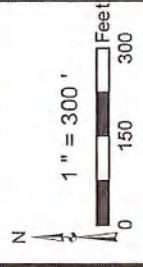
803884

Plugging Map

47-039-02998

Legend

- Well
- Access Road
- Pits
- Pad
- Public Roads



47-039-02998P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-039-02998 WELL NO.: 803884

FARM NAME: Brown, Goshorn & Swan

RESPONSIBLE PARTY NAME: Core Appalachia Operating, LLC

COUNTY: Kanawha DISTRICT: Big Sandy

QUADRANGLE: Clio

SURFACE OWNER: Dona Thurston

ROYALTY OWNER: Brown ET Al

UTM GPS NORTHING: 4,263,290.16

UTM GPS EASTING: 478,073.77 GPS ELEVATION: 298.64 m

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

Director Production
Title

7/14/2020
Date

RECEIVED
Office of Oil and Gas

JUL 17 2020

WV Department of
Environmental Protection