



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

Wednesday, September 15, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

SOUTH CHARLESTON DEVELOPMENT LLC
PO BOX 8597
SOUTH CHARLESTON, WV 25303

Re: Permit approval for 829
47-039-00170-00-00

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.

A blue ink signature of James A. Martin, Chief.

James A. Martin
Chief

Operator's Well Number: 829
Farm Name: KANAWHA LAND CO.
U.S. WELL NUMBER: 47-039-00170-00-00
Vertical Plugging
Date Issued: 9/15/2021

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 August 11, 2021
2) Operator's Well No. Kanawha Land Co 289
3) API Well No. 47-30 - 0370

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 X ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 582.16 Watershed Davis Creek
District South Charleston Corp. County Kanawha Quadrangle Charleston West

6) Well Operator South Charleston Development LLC 7) Designated Agent
Address P.O. Box 8678 Address
South Charleston, WV 25303

8) Oil and Gas Inspector to be notified Name Terry Urban
Address P.O. Box 1207 Clendenin, WV 25045
9) Plugging Contractor Name Contractor Services Inc. of WV
Address 929 Charleston Road Spencer, WV 25276

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

See attached.

See Plugging Procedure

NOT SURE THERE IS 4 1/2" CASING IN THE WELL. ACCORDING TO CONTRACTOR SERVICES, WELL HEAD HAS BEEN WELDED AND MUST BE CUT TO SEE IF 4 1/2" CASING WAS RUN IN THE WELL PREVIOUS WITH NO RECORD.

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Office of Oil and Gas
AUG 24 2021

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 8-23-21

COAL @ 200'-203'

Plugging Procedure
API #47-039-00170

NO RECORD OF 4 1/2" CASING IN WELL.
WELL PRODUCED NATURAL. NO SHOT,
NO PERFS.

1. Clear and prepare well site
2. Install appropriate E&S controls
3. Remove surface equipment and 'blow down' well (if applicable)
4. TIH w/ 1 1/2" tubing and SPOT GEL TO 3675' (GAS). CEMENT WITH CLASS A CEMENT FROM 3075' TO 3475' WOC & HAS. ADD CEMENT IF NEEDED, IF THERE IS 4 1/2" CASING IN WELL, CONTINUE TO STEPS.
5. TOH w/ 1 1/2" tubing
6. Freepoint 4 1/2" casing and CUT AND PULL 4 1/2" OUT OF HOLE WHILE SETTING 100' CEMENT PLUG ACROSS CUT.
7. Depending on freepoint, COVER GAS SHOW @ 1950' w/ 100' PLUG (200'-1900')
 - a. TIH w/ 1 1/2" tubing and set 100 ft (50' above/50 ft. below) Class A cement plug at elevation, gel hole to free point, TOH w/ 1 1/2" tubing. cut 4 1/2" casing, set 100 feet cement plug, gel to 100 feet below bottom most mineable coal seam, gel hole to 100 feet, cement plug 100 feet to surface, or
 - b. cut 4 1/2", gel hole to elevation, set 100 feet cement plug at elevation, recover 4 1/2" casing to 100 feet below coal seam, set 100 feet cement plug, gel hole to 100 feet below surface, cement plug 100 feet to surface
8. Set Monument with API No.
9. Reclaim

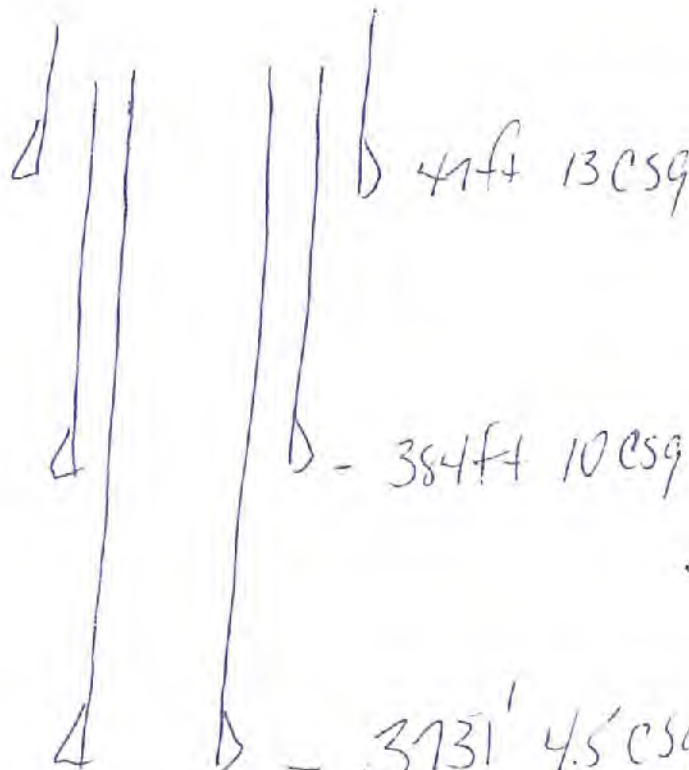
★ OTHER PLUGS

- 100' CIA PLUG ACROSS 8 1/4" FROM 1700'-1600'
- FREEPPOINT, CUT & PULL 8 1/4" CASING
- SET 100' CIA PLUG ACROSS 8 1/4" CUT.
- SET 100' CIA PLUG ABOVE WATER @ 900'
- SET 100' CIA PLUG FROM 434' - 334'
- GEL TO 250'
- SET 250' CIA PLUG TO SURFACE COVERING COAL.

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Probably All Rocks

Will Jailed all Free pipe

Operator to Cover all oil & gas formation, including elevation, salt coal, freshwater with Cement Displacing with 6% gel

Aug 24 2021 8:32

09/17/2021

47-039-00170P

FORM 79-2M-5-1-34

GODFREY L. CASOT, INC.
WELL RECORD

SERIAL NO. 329 LEASE NO. 1 OPERATING DIST. AVK MAP SQUARE 55-51

RECORD OF WELL No. <u>1</u> on the		CASING AND TUBING		INITIAL OPEN FLOW		
<u>Kanawha Land Co.</u> Farm of <u> </u> Acres	<u> </u>	SIZE	USED IN DRILLING	LEFT IN WELL	<u> </u> of Water in <u> </u> inch	
in <u>Louden</u> District	<u> </u>	<u>16</u>	<u> </u>	<u> </u>	<u>10</u> of Merc. in <u>2</u> inch	
<u>Kanawha</u> County	<u> </u>	<u>13</u>	<u>47</u>	<u>47</u>	Volume <u>702,320</u> Cu. ft.	
Field, State of <u>West Va.</u>	<u> </u>	<u>10</u>	<u>336</u>	<u>336</u>	SHOOTING RECORD	
		<u>8 1-4</u>	<u>1574</u>	<u>1674</u>	Date Shot <u>NOT TEST</u>	
Rig Commenced <u> </u> 19 <u> </u>	<u> </u>	<u>6 5-8</u>	<u> </u>	<u> </u>	No. of Quarts <u> </u>	
Rig Completed <u> </u> 19 <u> </u>	<u> </u>	<u>5 3-16</u>	<u> </u>	<u> </u>	OPEN FLOW AFTER WORKING when shut-in	
Drilling Commenced <u>May 21,</u> 19 <u>35</u>	<u> </u>	<u>3</u>	<u> </u>	<u> </u>	<u> </u> of Water in <u> </u> inch	
Drilling Completed <u>Aug. 5,</u> 19 <u>35</u>	<u> </u>	<u>2</u>	<u> </u>	<u> </u>	<u>3</u> of Merc. in <u>2</u> inch	
Drilling Cost <u> </u> per foot	<u> </u>	TUBING RUN IN		<u> </u>	Volume <u>500 M.</u> Cu. ft.	
Contractor is: <u>Fink & Buckner</u>	<u> </u>	Date <u>AUG. 9, 1935</u>		<u> </u>	Rock Pressure <u>450 Lbs.</u> 24 Hrs.	
Address: <u>Charleston, W. Va.</u>	<u> </u>	Size of Packer <u> </u>		<u> </u>	24 HR. PRODUCTION TEST AFTER TUBING	
		Kind of Packer <u> </u>		<u> </u>	HOSE TAKEN	
Drillers' Names <u>Vilo Summers</u>	<u> </u>	Packer Set. Depth <u> </u>		<u> </u>	M. Cu. Ft. <u> </u> Line Pres. <u> </u>	
<u>Jack Jones</u>	<u> </u>	Size of Anchor <u> </u>		<u> </u>	OIL PRODUCTION	
<u>J. M. Fink</u>	<u> </u>	Perf. - Top <u> </u> Bot <u> </u>		<u> </u>	Oil Flowed <u> </u> Bbls. 1st 24 Hrs.	
		Perf. - Top <u> </u> Bot <u> </u>		<u> </u>	Oil Pumped <u> </u> Bbls. 1st 24 hrs.	
Elevation <u>562.16</u>	<u> </u>	Well Abandoned and		<u> </u>	Plugged <u> </u> 19 <u> </u>	

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASURE-MENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S. L.	REMARKS
Surface		0	25						
Gravel		25	47						
Sand		47	90						Back pressure after shut-in three days
Slate		90	135						oil
Sand		135	147						
Slate	black	147	300						
Coal		300	303						
Slate		303	210						
Sand		210	240						
Slate		240	380						
Sand		380	400						
Slate		400	430						
Sand		430	450						
Slate		450	475						
Slate & Shells		475	527						
Sand		527	555						
Slate		555	628						
Sand		628	680						
Slate & Lime		680	721						
Gas Sand		721	770						
Slate & Lime		770	790						
Slate & Sand		790	990			water	800		Hole full
Slate		990	995						
Salt Sand		995	1162						
Slate		1162	1165						
Sand		1165	1185						

SERIAL NO. 329 TRACT Kan. Ld. Co. WELL NO. 1 OPIG. DIST. AVK MAP SQUARE 55-52

09/17/2021

SERIAL NO. 229 TRACT No. 14. CORWELL NO. 1 OPTG. DIST. AUX MAP SQUARE 35-22

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S.L.	REMARKS
Sandy Lime		1183	1197						
Sand		1197	1256						
Slate		1256	1258						
Sand		1258	1416						
Little Lime		1416	1433						
Slate		1433	1440						
Lime Shell		1440	1450						
Pencil Cave		1450	1454						
Big Lime		1454	1616						
Injur. Sand		1616	1671						
Black Lime		1671	1709						
Slate & Shells		1709	1785						
Weir Sand		1785	1800						
Slate & Shells		1800	2075			Gas	1950'		Show of gas
Brown Shale		2075	2093						
Brown Grit		2093	2100						
Slate & Shells		2100	2205						
Brown Shale		2205	2245						
Slate & Shells		2245	2580						
Brown Shale		2580	2605						
Slate		2605	2635						
Brown Shale		2635	2670						
Lime Shell		2670	2673						
Brown Shale		2673	2697			Gas	2673-70		16/10 Merc. in 2"
Blue Slate		2697	2719						Decreased to 17/10
Brown Shale		2719	2721	2721					water in 2" 8/9/35.
				PICK-UP PRESSURE		TRANSFERS			
				147.	Lbs.				
				1	2	No. Date			
				2	3	28 5/7/35			
				3	5	1 8/10/35			
				4	7	2 " " "			
				5	9	3 " " "			
				6	11				
				7	12				
				8	14				
				9	15				
				10	17				
				15	25				
TOTAL DEPTH			2721	2721					

DATE Aug. 12, 1935

APPROVED *J.E.K.* FOREMAN

GODFREY L. CADDY, INC.
WELL RECORD

Kan-170
SERIAL NO. 829 LEASE NO. 1 OPERATING DIST. JK MAP SQUARE 55-52

RECORD OF WELL No. 1 on the
Kaneoka Land Co. Farm of Acres
in Lowman District
Kaneoka County
Field, State of West Va.

Rig Commenced 19
Rig Completed 19
Drilling Commenced May 21, 1935
Drilling Completed Aug. 5, 1935
Drilling Cost _____ per foot
Contractor is: Fink & Buckner
Address: Charleston, W. Va.
Drillers' Names: Wile Summers
Jack Jones
J. M. Fink

CASING AND TUBING			INITIAL OPEN FLOW	
SIZE	USED IN DRILLING	LEFT IN WELL	Gal of Water in ... inch	10 h. of Merc. in ... 2. inch
14			16	703,260
13	47	47		
10	336	336		
8 1/4	1674	1674		
6 5/8				
5 3/16				
3				
2				

SHOOTING RECORD
Date Shot NOT SHOT
No. of Quarts _____
OPEN FLOW AT _____ when shut in
10th of Water in _____ inch
10th of Merc. in _____ inch
Volume 500 Cu. ft.
ROCK PRESSURE 4900 Lbs. 22 Hrs.
24 HR. PRODUCTION TEST AFTER TUBING HOPE TEST
M. Cu. Ft. _____ Lbs. Pres. _____
OIL PRODUCTION
Oil Flowed _____ Bbl. 1st 24 Hrs.
Oil Pumped _____ Bbl. 1st 24 Hrs.
Well Abandoned and Plugged _____ 19____

Elevation 582.16

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASURE-MENT	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S. L.	REMARKS
Surface		0	26						
Gravel		26	47						
Sand		47	90						
Slate		90	125						
Sand		125	147						
Slate	black	147	200						
Coal		200	208						
Slate		208	210						
Sand		210	240						
Slate		240	380						
Sand		380	400						
Slate		400	430						
Sand		430	430						
Slate		430	475						
Slate & Shells		475	527						
Sand		527	586						
Slate		586	628						
Sand		628	660						
Slate & Lino		660	721						
Gas Sand		721	770						
Slate & Lino		770	790						
Slate & Sand		790	800						
Slate		800	896						
Salt Sand		896	1162						
Slate		1162	1166						
Sand		1166	1182						

Bottom of 13" Csg
384' Btt - 7 10" Csg
water 800 Hole full

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SERIAL NO. 828 TRACT No. 14 CORWELL NO. 1 CITY, DIST. AUK MAP SQUARE 80-22

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASURED FEET	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW U.L.	REMARKS
Sandy Lime		1183	1197						
Sand		1197	1253						
Slate		1253	1266						
Sand		1266	1416						
Little Lime		1416	1438						
Slate		1438	1440						
Lime Shell		1440	1460						
Pencil Core		1460	1464						
Big Lime		1464	1615						
Lajun Sand		1615	1671						
Black Lime		1671	1709						
Slate & Shells		1709	1783						
Weir Sand		1783	1800						
Slate & Shells		1800	2075			Gas	1950'		Show of gas
Brown Shale		2075	2083						
Brown Grit		2083	2100						
Slate & Shells		2100	2235						
Brown Shale		2235	2348						
Slate & Shells		2348	2380						
Brown Shale		2380	2605						
Slate		2605	2638						
Brown Shale		2638	2670						
Lime Shell		2670	2673						
Brown Shale		2673	2687			Gas	2675-76		16/10 Mor. in 8"
Blue Slate		2687	2719						Decreased to 17/10
Brown Shale		2719	2781	2731					water in 8" , 2/9/35.

1674 Bottom ? 8 1/4 casing

PICK-UP PRESSURE

MIN.	LB.
1	8
2	8
3	8
4	7
5	9
6	11
7	12
8	14
9	16
10	17
15	25

TRANSFERS

No.	Date
29	5/7/35
1	5/10/35
2	" " "
3	" " "

2" Tubing

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TOTAL DEPT. VA Department of Environmental Protection 8781 8781

TW

DATE Aug. 12, 1985

APPROVED 71

09/17/2021

~~GODFREY L. CABOT, INC.~~

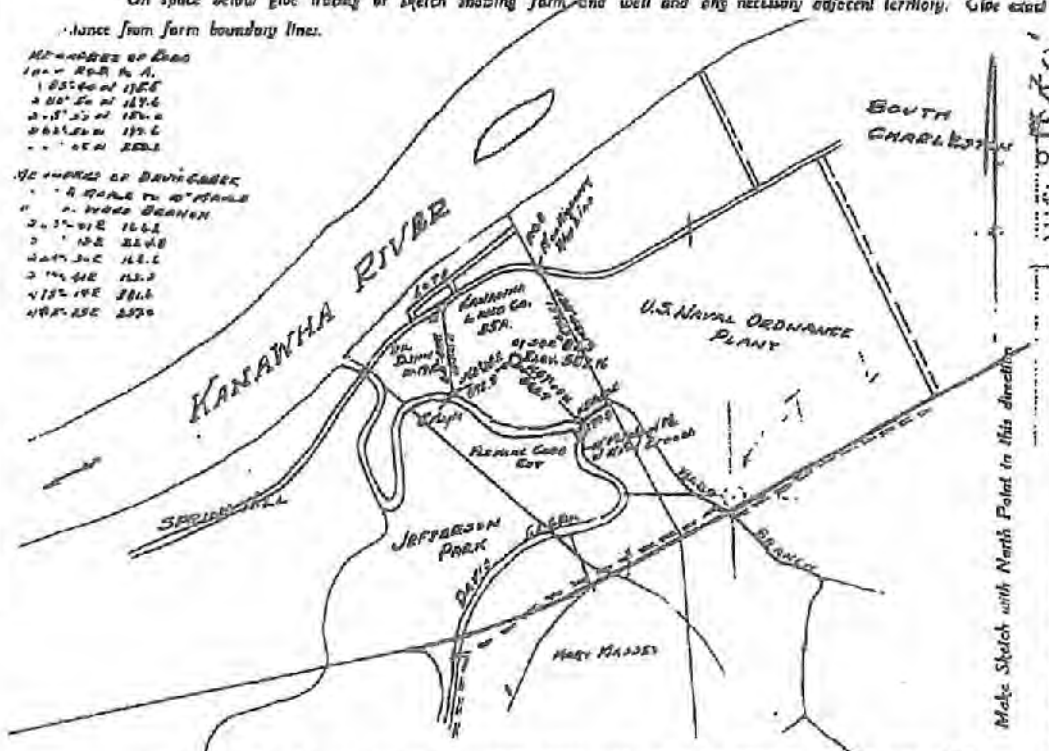
LOCATION REPORT F.V.C Corp.

Well No. 829 Name of Form KANAWHA LAND CO. Well No. 1
 Map. Sq. SE-SE County KANAWHA District LAUREN
 Name of Stream or Waters DAVIS CREEK
 Date MARCH 25, 1938 Scale 1" = 1200' 386'

F.M.C.

On space below give tracing or sketch showing farm and well and any necessary adjacent territory. Give exact distance from farm boundary lines.

- MEASUREMENTS OF LAND
- 100' x 100' to A.
 - 1 85' 00" to 175'
 - 2 80' 00" to 175'
 - 2 85' 00" to 175'
 - 2 85' 00" to 175'
 - 2 85' 00" to 175'
- MEASUREMENTS OF DRAINAGE
- 2 85' 00" to 175'
 - 2 85' 00" to 175'
 - 2 85' 00" to 175'
 - 2 85' 00" to 175'
 - 2 85' 00" to 175'
 - 2 85' 00" to 175'



I, the undersigned, hereby certify that this map is correct and shows all the information to the best of my knowledge and belief, required by the Oil and Gas Section of the Mining Laws of West Virginia.

George Lamb
Engineer

Acknowledged before me, a Notary Public, this 25 day of March, 1938.

Edith P. Ponder
Notary Public

KAN-170

Queen - Charleston

Approved C. A. Jones

TU

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Office of Oil and Gas

AUG 24 2021

WV Department of
Environmental Protection

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Kanawha Land Co 828

3) API Well No.: 47 - 039 - 00170

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>South Charleston Municipal Building Commission</u>	Name _____
Address <u>401 D St.</u>	Address _____
<u>South Charleston, WV 25303</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Tony Urban</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-648-5616</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-6B, 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 reverse side. However, you are not required to take any action at all.

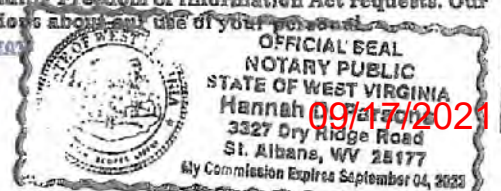
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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 South Charleston Development LLC
 By: *Donald D. Daniel*
 Its: Chairman
 Address PO Box 8678
South Charleston, WV 25303
 Telephone 304-720-5985 C.N. 304-590-3515

Subscribed and sworn before me this 12 day of August 2021
[Signature] Notary Public
 My Commission Expires September 04, 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 depprivacyofficer@wv.gov



SURFACE OWNER WAIVER

Operator's Well
Number

Kanawha Land Co 829

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	<i>Russell D. Daniel</i>
Signature		By	<i>RANDALL D. DANIEL</i>
	RECEIVED Office of Oil and Gas	Its	<i>CHAIRMAN</i>

AUG 24 2021

Signature

Date

WW-4B

API No. 47-039-00170
Farm Name Kanawha Land Co.
Well No. 829

**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 _____

*No known owner, operator, or lessee
of workable coal bed seam on this tract.*

09/17/2021

WW-9
(5/16)

API Number 47 - 39 .00140
Operator's Well No. 829

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

Operator Name South Charleston Development LLC OP Code 494518087

Watershed (HUC 10) Davis Creek Quadrangle Charleston West

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: 14,823 71

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) to permitted disposal facility TBD.
- Other (Explain _____)

Will closed loop systems be used? If so, describe: N/A

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

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

Additives to be used in drilling medium? _____

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) _____

-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.

Company Official Signature Randall D. Daniel

Company Official (Typed Name) RANDALL D. DANIEL

Company Official Title Chairman

RECEIVED
Office of Oil and Gas

SEP 1 2021

WV Department of
Environmental Protection

Subscribed and sworn before me this 27th day of August, 2021

Deborah L. Byrnside

My commission expires December 2, 2023



09/17/2021

47-03900170P

Operator's Well No. 829

Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 5.5

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type _____

Fertilizer amount 0.25 lbs/acre

Mulch Hay 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Ladino Clover	5
Red Top Clover	15	KY 31	40

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.

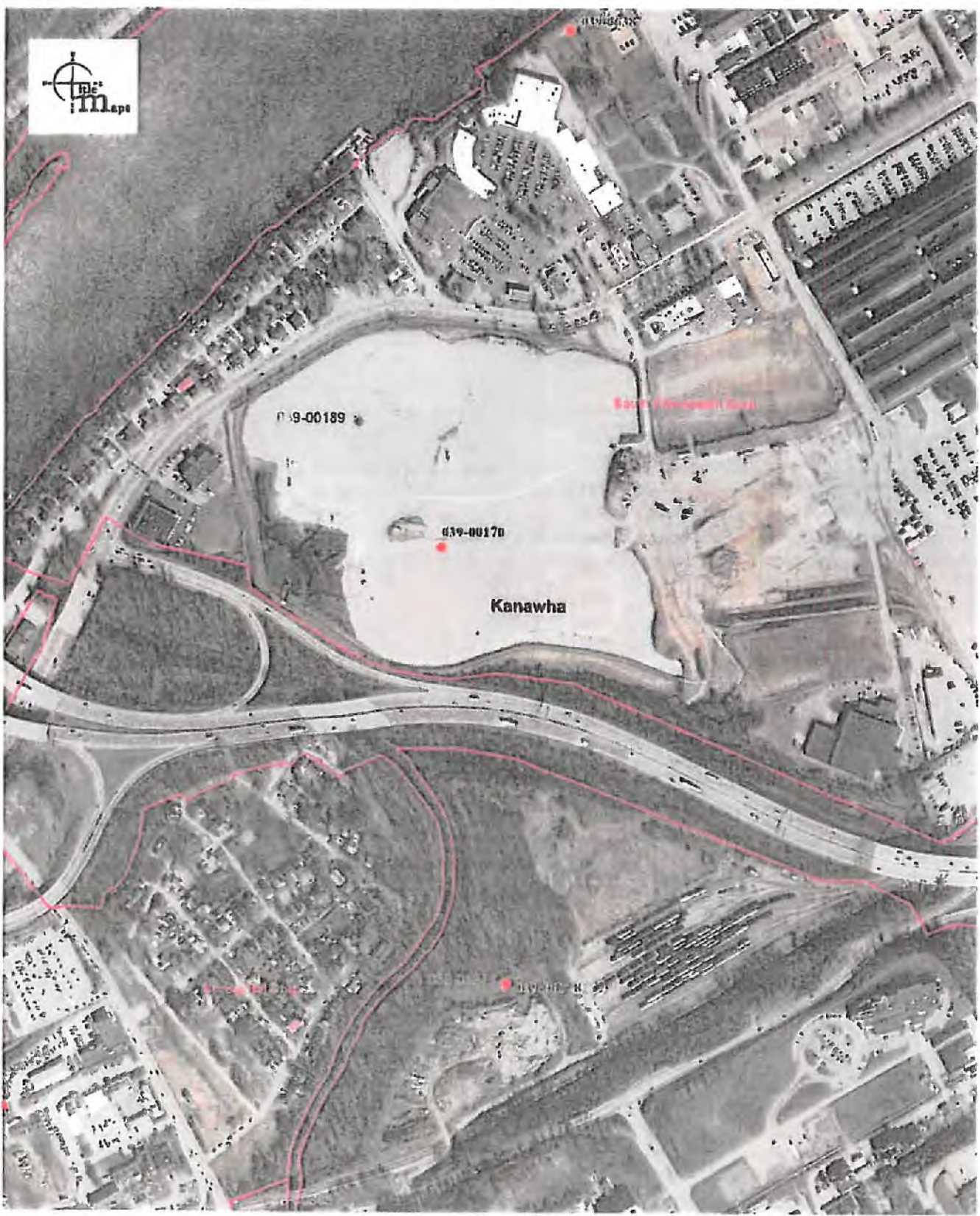
Plan Approved by: [Signature]

Comments: _____

Title: Inspect WRE (W) Date: 8-23-21

Field Reviewed? Yes No

FMC Sat



039-00189

039-00170

Kanawha

East Kanawha Court



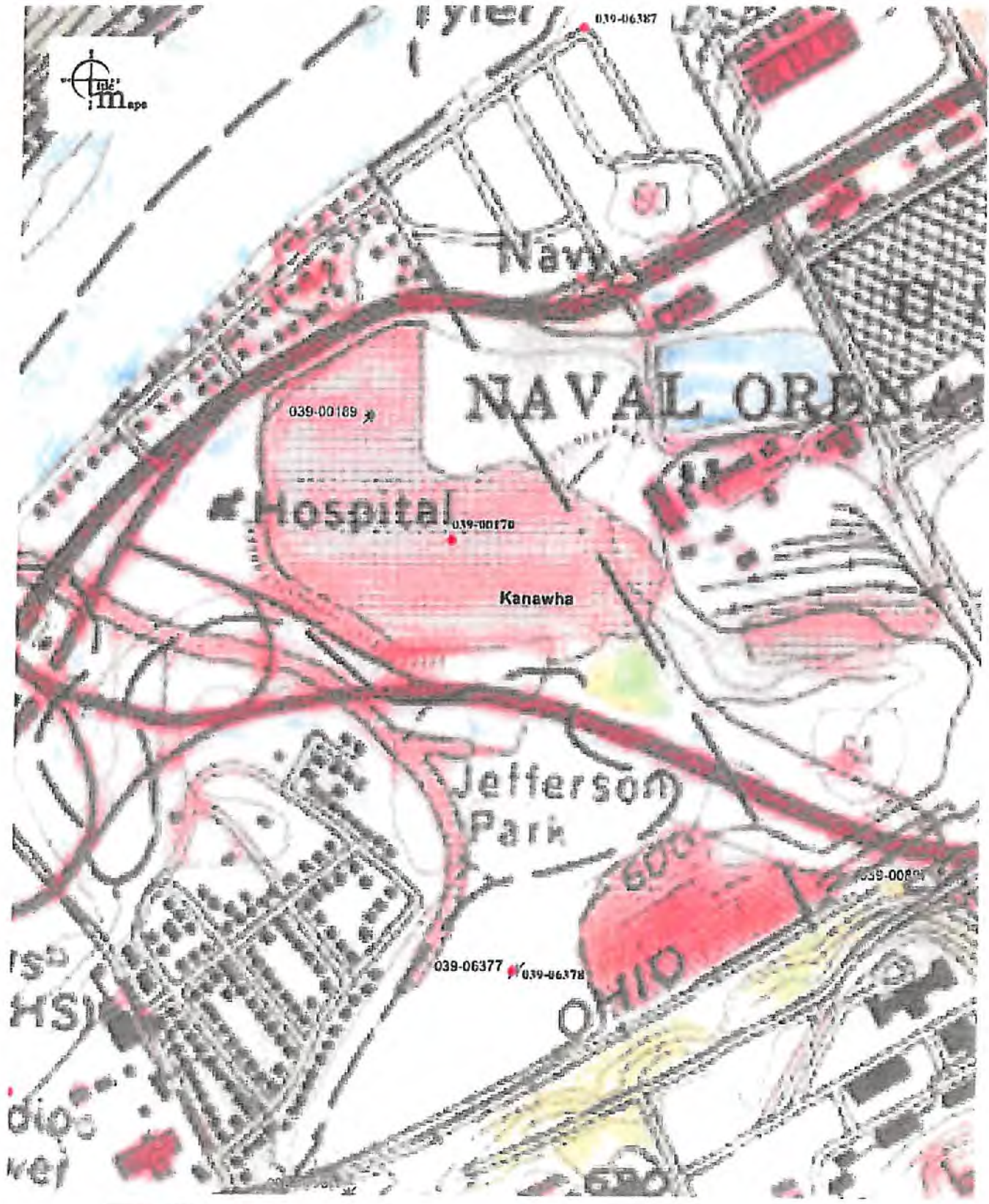
Approximate Scale 1:6,000

08/12/2021 - 02:08:51 PM

Disclaimer: The map information shown is from various sources including but not limited to tax maps and state and federal agency web sites. The map information does not represent and should not be relied upon as a land survey or legal depiction of the property or information shown. This Maps LLC does not warrant the accuracy or correctness of the map information shown.

09/17/2021

FMC Well topo



Approximate Scale 1:6,000

08/12/2021 - 02:11:44 PM

Disclaimer: The map information shown is from various sources including but not limited to tax maps and state and federal agency web sites. The map information does not represent and should not be relied upon as a land survey or legal depiction of the property or information shown. Title Maps LLC does not warrant the accuracy or correctness of the map information shown herein.

09/17/2021

WW-7
8-30-06



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

API: 47-39-00170 WELL NO.: Kanawha Land Co. 829
 FARM NAME: Kanawha Land Co.
 RESPONSIBLE PARTY NAME: South Charleston Development LLC
 COUNTY: Kanawha DISTRICT: ~~South Charleston Corp.~~
LOU DON
 QUADRANGLE: Charleston West
 SURFACE OWNER: South Charleston Municipal Building Commission
 ROYALTY OWNER: South Charleston Municipal Building Commission
 UTM GPS NORTHING: 4246192.2
 UTM GPS EASTING: 437936.8 GPS ELEVATION: 582.16

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 ^X ____ : 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.

Ray Gyles
Signature

Land Manager
Title

8/12/21
Date



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

Plugging Well Work Permit (API: 47-039-00170)

1 message

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

Wed, Sep 15, 2021 at 12:48 PM

To: Doug Douglass <ddouglass@reserveoilandgas.com>, "Urban, Terry W" <terry.w.urban@wv.gov>, Sallie Robinson <sallierobinson@kanawha.us>

I have attached a copy of the newly issued well [permit](#) number, "829", API: (47-039-00170). This will serve as your copy.

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

Terry, I have the paper copy here at the office with a filled in IR-8.

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
157K



47-039-00170 - Copy.pdf
1456K

09/17/2021