



 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

Saturday, December 29, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

HYDROCARBON WELL SERVICES INC.
 PO BOX 995

BUCKHANNON, WV 26201

Re: Permit approval for SS DAVIS 1
 47-073-00310-00-00

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: SS DAVIS 1
 Farm Name: DAVIS, S. S.
 U.S. WELL NUMBER: 47-073-00310-00-00
 Vertical Plugging
 Date Issued: 12/29/2018

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 October 24, 2018
2) Operator's Well No. SS Davis #1
3) API Well No. 47-073-00310

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 647' Watershed Middle Ohio North
District Grant County Pleasants Quadrangle Marrietta

6) Well Operator HYDROCARBON Well Services, Inc. Designated Agent BRIAN JARVIS
Address Po Box 995 Address _____
Buckhannon, WV 26201

8) Oil and Gas Inspector to be notified
Name Cragin Blevins
Address 1407 19th Street
Vienna, WV 26105

9) Plugging Contractor
Name Hydrocarbon Well Services
Address PO Box 995
Buckhannon, WV 26201

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

- 1.) Notify inspector 24 hours prior to well work
- 2.) Mobilize rig and equipment to site. Nipple up on well and check free point of casing est. 152'.
- 3.) TIH and clean out existing (leaking) plug at 150' (per well record). Clean well bore to 528'.
- 4.) TOH and TIH with 1 1/2" tubing in well and set a minimum of 100' cement plug from 528' to 428' and TOH with tubing.
- 5.) TIH tag cement plug and set gel spacer from 428' to 202'.
- 6.) TOH with 1 1/2" tubing to 202' and set a minimum 100' cement plug from 202' to surface.
- 7.) Pull all free pipe, erect off site monument, demobilize rig and equipment and reclaim site.

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

Work order approved by inspector
RECEIVED
Office of Oil and Gas

[Signature]

Date 10/29/2018

DEC 13 2018

WW-4C
Rev 7/27/04

STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL NOTICE OF PLUGGING OF AN ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY WHO IS NOT THE OWNER OR OPERATOR OF THE WELL.

(Page 1 of 2)

ABANDONED WELL TO BE PLUGGED:

API Well No: 47-073-00310

Elevation: 647' Watershed: Middle Ohio North

District: Grant County: Pleasants

Public Road access: Henry Camp Road

Generally used Farm Name: Davis

Other description of location:

NOTICE TO:

[List any owners of the surface of the land upon which such abandoned well exists and their address or their location for service.]

Williamson, Harry C, 101 Henry Camp Road, Belmont, WV 26134

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Office of Oil and Gas

NOV 13 2018

WV Department of
Environmental Protection

[List any owner or operator of such abandoned well of record with the Secretary of the Department of Environmental Protection their address or their location for service]

None

[List any oil or gas lessee of record with the Secretary of the Department of Environmental Protection and their address or location for service:]

None

NOTICE FROM:

Interested Party Proposing to Plug Well

Name: Hydrocarbon Well Services

Address: PO box 995 Buckhannon, WV 26201

Telephone: 3044729600

DOES THE INTERESTED PARTY ELECT TO TAKE THE CASING, EQUIPMENT, AND OTHER SALVAGE WHICH MAY RESULT FORM THE PLUGGING OF THE WELL? [] YES [] NO

If the interested party has checked "no" then the surface owners may elect to take any casing, equipment or other salvage by sending a notice to the interested party at the address listed above. The interested party must then leave the salvage at a location which will not adversely affect reclamation. If the surface owners do not elect to take the salvage, the interested party must properly dispose of the salvage.

[Service of this notice may be by certified mail return receipt requested (file the return receipt card with the Department of Environmental Protection DEP), personal service (file form WW-70 with the DEP) or by such manner as is sufficient for service of process in a civil action in court (with corresponding proof of service to be filed with the DEP). In the event there is no owner or operator of record with the Chief or no oil and gas lessee of record with the Chief, this notice must be posted in a conspicuous place at or near the well. Service and posting must be done at least 20 days prior to entering onto the surface to began plugging.]

12/28/2018

STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION**SPECIAL NOTICE OF PLUGGING OF ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY**

(Page 2 of 2)

NOTICE INFORMATION FOR SURFACE OWNERS, WELL OWNERS AND OPERATORS, AND OIL AND GAS LESSEES

It is lawful pursuant to The West Virginia Abandoned Well Act (W.Va. Code 22-6-1 et seq.) and the rules and regulations promulgated pursuant to that law (all of which will be called the "Act" in the rest of this notice) for any interested person, the operator of a well, or the Chief of the Department of Environmental Protection (Chief) to enter upon the premises where any abandoned well is situated and properly plug or replug the well and reclaim any area disturbed by the plugging or replugging. A permit to do the plugging or replugging must be obtained from the West Virginia Department of Environmental Protection.

You are hereby notified that the party proposing to plug the oil or gas well identified on the reverse side of this notice is claiming to be an "interested party" in the plugging of that well as that term is defined by the Act. This interested party is claiming that well is "abandoned" within the meaning of W. Va. Code 22-6-19 because it is a dry hole or because it has not been in "use" for a period of 12 months and no satisfactory proof of a "bona fide" future use" for the well has been furnished to the Director.

ADDITIONAL NOTICE INFORMATION FOR SURFACE OWNERS

Any interested person who plugs a well pursuant to the provision of the Act must repair the damage or disturbance resulting from the plugging or compensate the surface owners for the damage or disturbance. This requirement of the Act is in addition to any rights and remedies any party may have pursuant to common law or other statutes. The compensation provided by the Act if the interested party does not fully repair the damage or disturbance is (i) the reasonable cost of repairing or placing any water well, (ii) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (iii) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (iv) lost income or expense incurred, and (v) reasonable costs to reclaim or repair real property including roads.

When the interested person is finished with the reclamation, the interested person must send the surface owners a letter advising that the reclamation has been completed. If the surface owners do not agree with the interested party that as to the adequacy of the repairs performed or the amount of compensation to which the surface owners may be entitled, either party may bring a civil action in court. In addition either party upon written notice to the other may elect to have that issue finally determined by binding arbitration pursuant to W. Va. Code 55-10-1 et seq. For materials further explaining the arbitration process please contact the Chief.

ADDITIONAL NOTICE INFORMATION FOR OWNERS OR OPERATORS OF WELLS

In the event the owner or operator of a well fails or has failed to plug an abandoned well in accordance with laws and regulations in effect at the time the well is or was first subject to plugging requirements, any interested persons who plugs or replugs such well pursuant to the provisions of this section may recover from the owner or operator of such well all reasonable costs incidental to such plugging or replugging, including any compensation provided for in this section. In the event funds from the oil and gas reclamation fund established pursuant to section twenty-nine, article one of this chapter are used to plug or replug such well, the Secretary shall be entitled to recover from the owner or operator of such well any amounts so expended from the fund. Any amounts so recovered by the Chief shall be deposited in said fund.

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.

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Office of Oil and Gas

NOV 13 2018

WV Department of
Environmental Protection



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle

Permit No. **PLEAS-110**

WELL RECORD

Oil or Gas Well

Company **Reynolds Bros Inc**
Address **St. Marys, W. Va.**
Farm **S. S. Davis** Acres **1/2**
Location (waters) **Smith Run**
Well No. **1** Elev. **620'**
District **Grant** County **Glenn**
The surface of tract is owned in fee by **S. S. Davis**
Estate, W. Va. Address
Mineral rights are owned by **Same**
Address

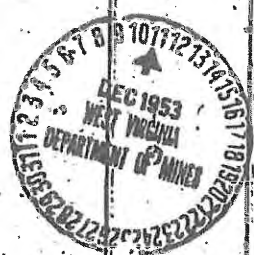
Drilling commenced **JANUARY 17, 1950**
Drilling completed **JANUARY 26, 1950**
Date Shot From To
With
Open Flow /10ths Water in. Inch
/10ths Merc. in. Inch
Volume Cu. Ft.
Rock P. lbs. hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water **528'** feet feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|---------|
| 10 | | | |
| 2 1/2 | | | |
| 10 | | | |
| 8 1/2 | 10' | 10' | |
| 6 1/2 | 152' | 152' | |
| 5 1/2 | | | |
| 1 | | | |
| 1 | | | |
| 1 | | | |
| 1 | | | |

| CASING CEMENTED | SIZE | No. Ft. | Date |
|-----------------|------|---------|------|
| | | | |

| COAL WAS ENCOUNTERED AT | FEET | INCHES |
|-------------------------|------|--------|
| | | |

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------------|-------|--------------|-----|--------|-------------------|-------------|----------------------|
| Sand | | | 100 | 130 | | | |
| Salt Sand | | | 398 | 438 | | | |
| Slate | | | 438 | 447 | | | |
| Sand | | | 447 | 485 | | | |
| Slate | | | 485 | 492 | | | |
| Sand | | | 492 | 520 | | | |
| Total Depth | | | | 528 | | | Little Gas and water |



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Office of Oil and Gas

DEC 13 2018

WV Department of
Environmental Protection
Office

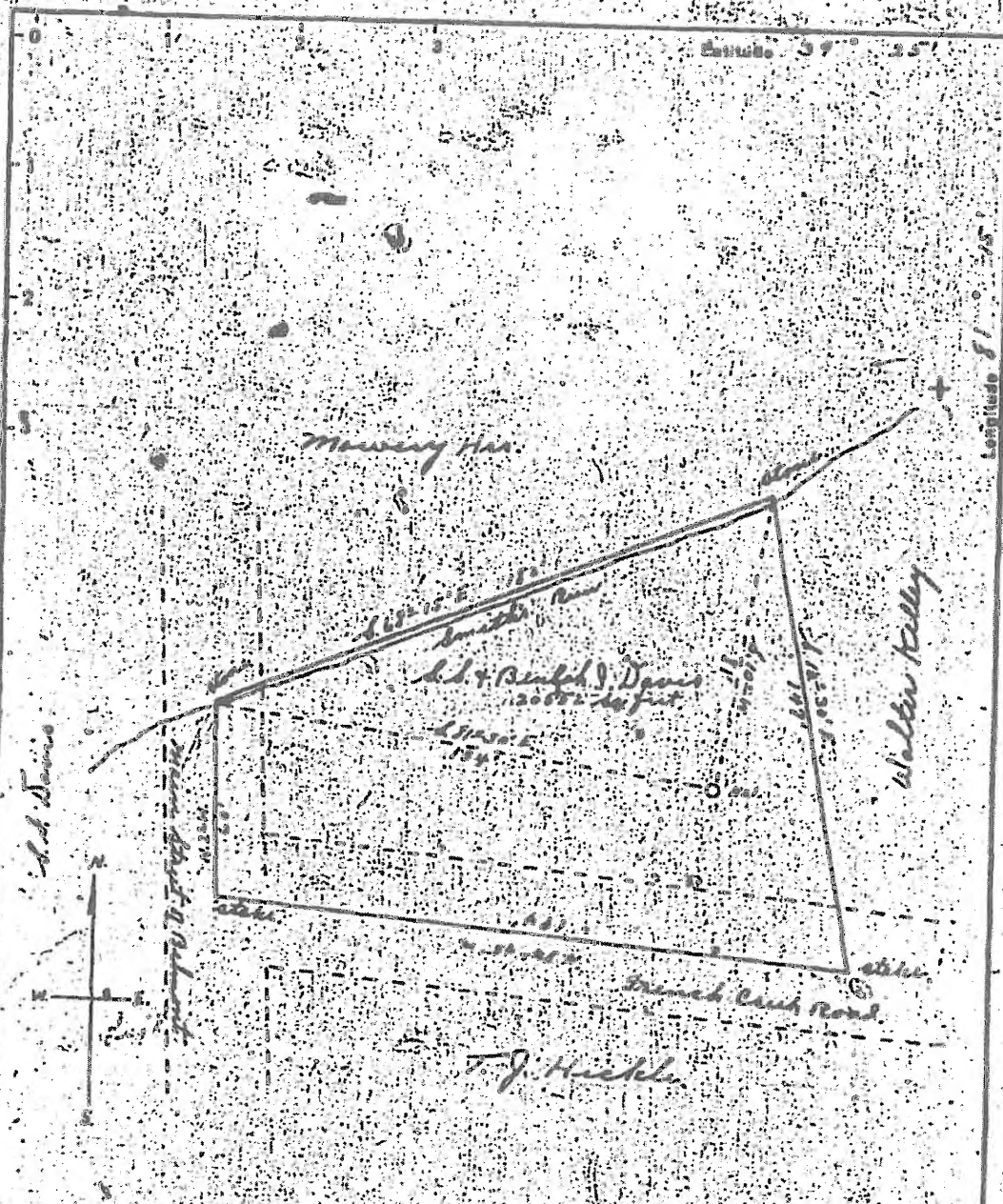
DEC 13

WV Department of
Environmental Protection

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DEC 13 2018

WV Department of
Environmental Protection



New Location...
 Drill Deeper...
 Abandonment...

Company Reynolds Bros. & Others
 Address Route 1 St. Marys W. Va.
 Farm S. L. & Berleah J. Davis
 Tract 2000 Acres 2000 Lease No. 1
 Well (Farm) No. 1 Serial No. 1
 Elevation (Spot Level) 620
 Quadrangle Marquette
 County Pleasants District Grant
 Engineer Robert K. Anderson
 By Jesse Triplett
 Engineer's Registration No. 296
 File No. 1 Drawing No. 1
 Date June 23, 1950 Scale 1" = 40'

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

WELL LOCATION MAP

FILE NO. PLEAS-310

- Denotes location of well on United States Topographic Maps, scale: 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border lines of original tracing.

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL
(REQUIRED BY SECTION 2, CHAPTER 26, ACTS (1925))
WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS SECTION

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

COAL OPERATOR OR COAL OWNER
ADDRESS
COAL OPERATOR OR COAL OWNER
ADDRESS
OWNER OF MINERAL RIGHTS
ADDRESS

Reynolds Bros. & Others
NAME OF WELL OPERATOR
St. Marys, W. Va. Route 3
COMPLETE ADDRESS
January 23 1950
PROPOSED LOCATION
Grant District
Pleasants County
Well No. 1 39° 25' 81° 15'
S. S. Davis Farm

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 1/18, 1950 made by Sanford S. Davis & wife, co Reynolds Bros., and recorded on the 15th day of January 1950 in the office of the County Clerk for said County in Book 90 page 427

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Act, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with, the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)
Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above

named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

Minter P. Reynolds
WELL OPERATOR
P.F.D. 3
STREET
St. Marys
CITY OR TOWN
W. Va.
STATE



Address of Well Operator

*Section 3... objections be filed, or be found by the department of mines, within said period of ten days from the receipt of this notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereby by the department; and that the same is approved and the well operator authorized to proceed to drill at said location.

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Office of Oil and Gas

DEC 13 2018

WV Department of
Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

55 Davis #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,

Harry D. Williams
Signature
RECEIVED
Office of Oil and Gas

Date 12/9/2018 Name _____
By _____
Its _____

Signature

Date

DEC 13 2018

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

I, the undersigned, have been notified by a representative from the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas, of an abandoned well(s) and/or tank(s) on or adjacent to my property.

This well(s) and/or tank(s) is considered a potential hazard or imminent danger, or a possible pollutant to the surface or underground, or is wasting natural resources (leaking) and must be properly plugged or cleaned out and replugged.

I hereby acknowledge that I have no objection to the State of West Virginia having a responsible contractor enter upon or traverse my property for the purpose of plugging this well(s) and/or remove tank(s).

Permit No. (if known) 47-073-00310 Well No. (if known) 1
Farm Name SS Davis County Blaine
District Grant (Belmont) Waters of French Creek

The contractor will properly plug the above named well(s), remove all material from the well location and reclaim, seed and mulch the well location and well road accesses used to state specifications. The plugging and reclamation shall be supervised by the WVDEP.

Owner Name Harry C. Williamson Jr Owner Signature [Signature]
Owner Address 101 Henry Campbell Date 3-15-18
Belmont, WV 26134

Please Return To: WVDEP - OFFICE OF OIL AND GAS
David Scranage
601 57th Street
Charleston, WV 25304

RECEIVED
Office of Oil and Gas

DEC 13 2018

WV Department of
Environmental Protection

WW-4A
Revised 6-07

1) Date: 10/24/2018
2) Operator's Well Number
SS Davis #1
3) API Well No.: 47 - 073 - 00310

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:

(a) Name Williamson, Harry C. Jr.
Address 101 Henery Camp Road
Belmont, WV 26134

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator
Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name N/A
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

6) Inspector Cragin Blevins
Address 1407 19th Street
Vienna, WV 26105
Telephone (304) 382-5933

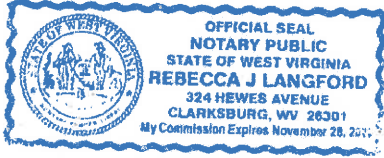
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (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-8.

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 Unknown Hydrocarbon Well Services
By: Big Sand Drilling Co
Its: President
Address PO Box 998
Buckhannon WV 26201
Telephone 304 472 9600



Subscribed and sworn before me this 7 day of November, 2018
Rebecca J Langford Notary Public
My Commission Expires November 28, 2021

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.

DEC 13 2018

ADJACENT
SURFACE OWNER WAIVER

Operator's Well
Number

SS Davis #1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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**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,

Matthew D. Dghe Date 11/28/18
Signature

My Crockerdon Well Service
By Kevin [unclear]
Its Operations Mgr. Date 11-2-18

RECEIVED
Office of Oil and Gas
DEC 13 2018
WV Department of
Environmental Protection

Signature [Signature] Date 11-6-18

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS


I, the undersigned, have been notified by a representative from the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas, of an abandoned well(s) and/or tank(s) on or adjacent to my property.

This well(s) and/or tank(s) is considered a potential hazard or imminent danger, or a possible pollutant to the surface or underground, or is wasting natural resources (leaking) and must be properly plugged or cleaned out and replugged.

I hereby acknowledge that I have no objection to the State of West Virginia having a responsible contractor enter upon or traverse my property for the purpose of plugging this well(s) and/or remove tank(s).

| | | | |
|-----------------------|-------------------------|---------------------|----------------------------------|
| Permit No. (if known) | <u>47-073-00310</u> | Well No. (if known) | <u>SS Davis #1</u> |
| Farm Name | <u>Sanford S. Davis</u> | County | <u>Pleasants</u> |
| District | <u>Grant</u> | Waters of | <u>Ohio River (French Creek)</u> |

The contractor will properly plug the above named well(s), remove all material from the well location and reclaim, seed and mulch the well location and well road accesses used to state specifications. The plugging and reclamation shall be supervised by the WVDEP.

| | | | |
|---------------|---|-----------------|---|
| Owner Name | <u>WILLIAM SKRANAGE</u> | Owner Signature |  |
| Owner Address | <u>101A HEARCY CAMP RD SP. MARTIN W. VA</u> | Date | <u>11/6/18</u> |

Please Return To: WVDEP - OFFICE OF OIL AND GAS
David Scranage
601 57th Street
Charleston, WV 25304

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Office of Oil and Gas
DEC 13 2018
WV Department of
Environmental Protection

12/28/2018

WW-9
(5/16)

API Number 47 - 073 .00310
Operator's Well No. _____

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

Operator Name HYDROCARBON WELL SERVICES, INC OP Code _____
Watershed (HUC 10) Middle Ohio North Quadrangle Marrietta

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: Disposed of off site and contained in tanks.

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 _____)

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) _____

-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 [Signature]

Company Official (Typed Name) Brian Jarvis

Company Official Title President

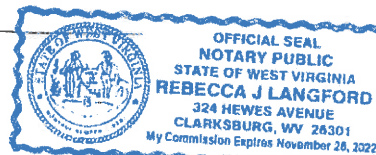
Subscribed and sworn before me this 7 day of November, 20 18

[Signature] Notary Public

My commission expires RECEIVED November 28, 20
Office of Oil and Gas

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WV Department of
Environmental Protection



Form WW-9

Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed Less than 1 Prevegetation pH Unknown

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

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 400 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|----------------|----------|----------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| Fescue | 40 | Fescue | 40 |
| Landino Clover | 5 | Landino Clover | 5 |
| | | | |

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: David K. Scranage

Comments: _____

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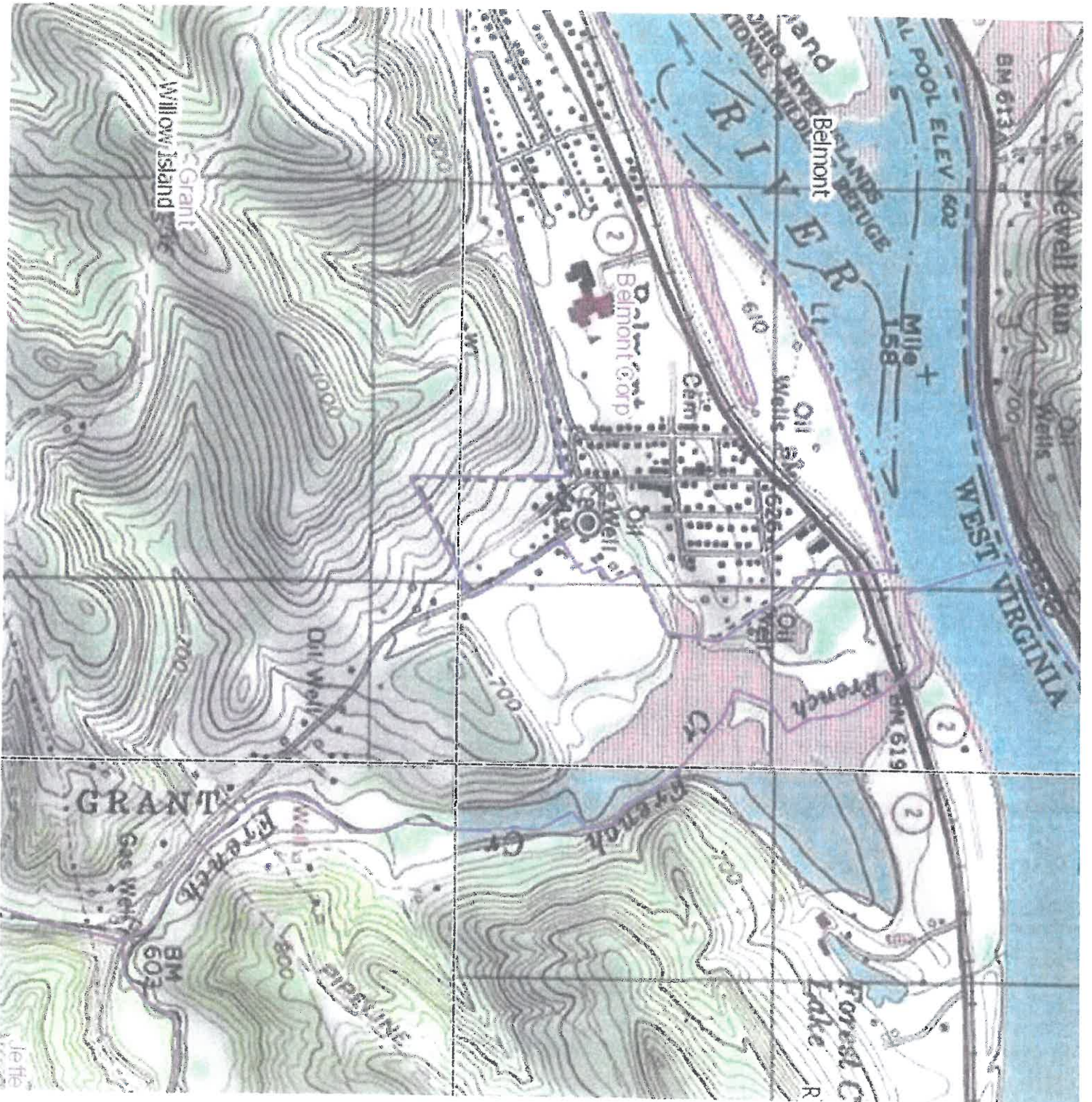
DEC 13 2018

WV Department of
Environmental Protection

Title: Inspector Specialist

Date: 10-29-18

Field Reviewed? Yes No



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WW-7
8-30-06



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

API: 47-073-00310 WELL NO.: SS Davis #1

FARM NAME: Sanford S. Davis

RESPONSIBLE PARTY NAME: HYDROCARBON WELL SERVICES, Inc

COUNTY: Pleasants DISTRICT: Grant

QUADRANGLE: Marrietta

SURFACE OWNER: Williamson, Harry C. Jr. & Luanna

ROYALTY OWNER: Williamson, Harry C. Jr. & Luanna

UTM GPS NORTHING: 4358800.1

UTM GPS EASTING: 477789.2 GPS ELEVATION: 647'

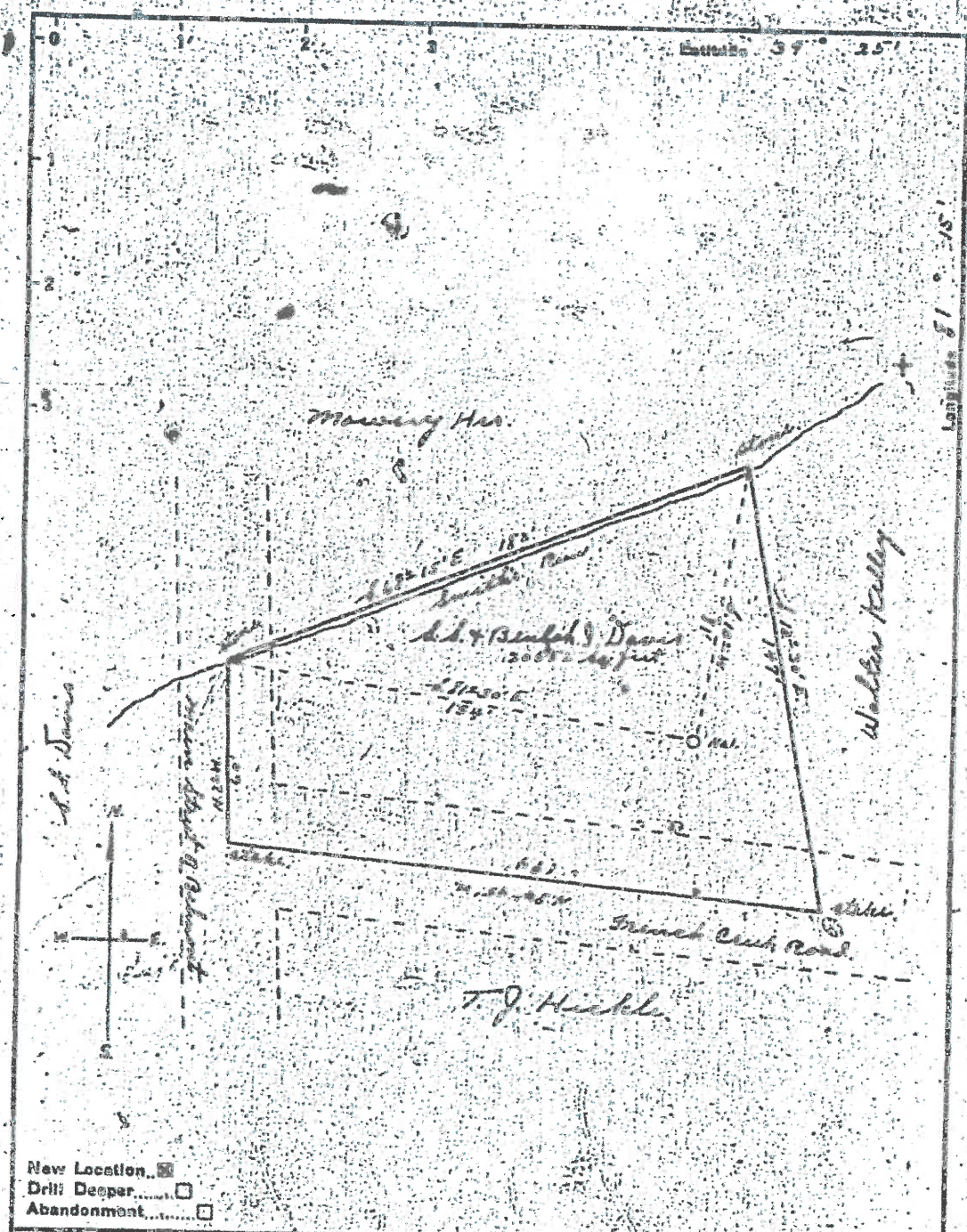
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- 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.

| | | | |
|----------------------|--|----------------------|------------|
| David K. Scranage | <small>Digitally signed by David K. Scranage Date: 2018.10.29 13:33:21 -05'00'</small> | Inspector Specialist | 10/29/2018 |
| Signature | RECEIVED | Title | Date |
| | Office of Oil and Gas | | |

DEC 13 2018



New Location
 Drill Deeper
 Abandonment

Company Reynolds Bros & others
 Address Route 1 St Marys W Va
 Farm S. & Beriah J Davis
 Tract 2.55 Acres 2052 feet Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 620'
 Quadrangle Merritt
 County Clayton State W. Va.
 Engineer Robert R. Anderson
 Engineer's Registration No. 756
 File No. _____ Drawing No. _____
 Date Nov. 23, 1950 Scale 1" = 40'

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

WELL LOCATION MAP
 FILE NO. PLEBS-310

• Denotes location of well on United States Topographic Maps, scale 1" to 32,500, latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch space on border line of original tracing.

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47-073-00310P
12/28/2018



State of West Virginia
DEPARTMENT OF MINES
OIL AND GAS DIVISION

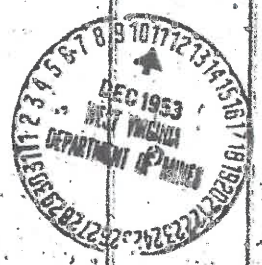
Quadrangle _____
Permit No. **PLAS-110** **WELL RECORD** Oil or Gas Well _____

Company **Reynolds Bros et al**
Address **St. Marys, W. Va.**
Farm **S. S. Davis** Acres **3/2**
Location (waters) **Smith Run**
Well No. **1** Elev. **620'**
District **Grant** County **Pleasants**
The surface of tract is owned in fee by **S. S. Davis**
Belmont, W. Va. Address _____
Mineral rights are owned by **Same**
Address _____
Drilling commenced **January 17, 1950**
Drilling completed **January 26, 1950**
Date Shot From To
With _____
Open Flow **1/10ths** Water to _____ Inch
1/10ths Merc. to _____ Inch
Volume _____ Co. Ft.
Rock Pressure _____ lbs.
Oil _____ lbs. per 24 hrs.
Fresh water _____ feet
Salt water **525'** feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|---------------|-----------------|
| Size | | | |
| 18 | | | Kind of Packerc |
| 2 1/2 | | | |
| 10 | | | Size of |
| 2 1/2 | 1 1/2" | 1 1/2" | |
| 4 1/2 | 1 5/8" | 1 5/8" | Depth set |
| 5 1/2 | | | |
| | | | Perf. top |
| | | | Perf. bottom |
| | | | Perf. top |
| | | | Perf. bottom |
| Liners Used | | | |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------------|-------|--------------|-----|--------|-------------------|-------------|----------------------|
| Sand | | | 180 | 250 | | | |
| Salt Sand | | | 398 | 438 | | | |
| Slate | | | 438 | 447 | | | |
| Sand | | | 447 | 485 | | | |
| Slate | | | 485 | 492 | | | |
| Sand | | | 492 | 520 | | | |
| Total Depth | | | | 520 | | | little Gas and water |



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PROPOSED MANNER OF PLUGGING AND FILLING WELL

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION
OFFICE OF INTENTION TO PLUG AND ABANDON WELLS
WORK ORDER

Well to be plugged and filled as follows:

WORK ORDER PREPARED BY THE DEPARTMENT OF MINES

Total Depth 528'

Fill with clay to 150'

Next Cement 150' - 140'

5' crushed stone on cement plug

Fill 6-5/8" casing (152')

SET A PERMANENT BRIDGE AT 150'

2 sacks neat cement and 5' crushed stone on bridge

Fill 6" 1/4" casing and

Fill with clay to surface

Set marker such as is described in Rule 18, 19th Regulations

County _____ State of West Virginia

Well No. _____

Form _____

Inspector to be notified _____

Signature _____

The undersigned well operator hereby certifies that the above described well commencing

the work of plugging and abandoning said well on the date inspector is notified (which date shall

not be less than five days after the day on which this notice is received, or the date on which

notice is received by the Department of Mines)

and notice is given you in order that you may report to the Department of Mines

to the Department of Mines, Coal Owner or Operator, Lease or Property Owner, or

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your

disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said

well in the above described manner on the date stated in the notice of intention to plug and abandon

the said well on opposite side of this sheet.

Very truly yours,

Well Operator

No objections have been filed by the coal owner or coal operator, or any available adjacent lease
or property owners or interposed by the Department of Mines to the manner herein described for
the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this
11th day of December, 1977

DEPARTMENT OF MINES
Oil and Gas Division

By: _____

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one
to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for
the well inspector.

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Environmental Protection

12/28/2018

Form 03



DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 NOTICE OF INTENTION TO PLUG AND ABANDON WELL
 (ISSUED BY SECTION 10, ARTICLE 4, CHAPTER 22 OF THE CODE)

To THE DEPARTMENT OF MINES,
 Charleston, W. Va.

received on 12/28/18 by [unclear]

Coal Operator or Coal Owner: St Marys Pipe & Supply Co.
 Name of Well Operator: St Marys W.Va.
 Address: St Marys W.Va.
 Coal Operator or Coal Owner: Grant
 Address: Grant
 Lease or Property Owner: S S Davis
 Address: S S Davis

December 8, 19 53

WELL TO BE ABANDONED

Grant District

Elementa County

Well No. 1

S S Davis Farm

Inspector to be notified: G. E. HOWARD - CHARITVILLE - TEL. 108

Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence

the work of plugging and abandoning said well on the date inspector is notified (which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines).

This notice is given 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 represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Very truly yours,
 St. Marys Pipe & Supply Co.



NOTE: Upon the abandonment of all wells drilled prior to June 1, 1923, a plat prepared by a registered engineer, showing the district and county in which the tract of land is located, the name and acreage of same, the names of the owners and adjacent tracts, and the location of the about-to-be abandoned well, determined by survey, and the bearings and distances of such well from two permanent points or landmarks on said tract, shall be submitted with this notice.

NOTE: In case plugging is not commenced within four months from the above date, this permit shall expire and be of no further force or effect.

Permit Number

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 WV Department of
 Environmental Protection

47-073-00310P
12/28/2018

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. pleas 310-P-322-P-333-P-359-P Well No. _____

COMPANY St Marys pipe & Supply ADDRESS Disorderly

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

| PLUGS USED AND DEPTH PLACED | | | BRIDGES | CASING AND TUBING | | |
|-----------------------------|-----------|------|-----------------------|-------------------|------|------|
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | RECOVERED | SIZE | LOST |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

This Company went into receivership from what information I could gather and Mr. H. J. Kinnale is in Ohio. These wells have probably been plugged possibly before I got pleasure count. If they have I will mail in well record to Dept of Min

Drillers' Name St Marys pipe & supply I suggest cancelling of permits I didn't learn the name. These wells if not plugged

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WV Department of Environmental Protection

JUL 1956
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WEST VIRGINIA
DEPT. OF MINES

12/19/56 I hereby certify I visited the _____ well on this date.

Bryan S. Sherman
DISTRICT WELL INSPECTOR

12/28/2018

McLaughlin, Jeffrey W

From: Brian Jarvis <brian.jarvis@hydrocarbonwell.com>
Sent: Thursday, December 13, 2018 12:40 PM
To: McLaughlin, Jeffrey W; Martin, James A; Rodeheaver, J. Scott
Cc: Scranage, David K; Kevin Metz
Subject: Updated permit with all documents
Attachments: SKMBT_C22418121313440.pdf

I believe Jeff mentioned he was out this week, but I wanted to get this to everyone.

Attached is the updated permit with Mr. Williamson's waiver. Please let me know if you need anything else.

Please note that I updated to put this well on Hydrocarbon Well Services instead of Big Sand Drilling. Since, we are plugging it for the State, I don't think it should be on my operator's bond in Big Sand Drilling.

Therefore, attached is the current plugging application, making Hydrocarbon an operator and transferring this well to it.

Please send the permit when available. By your request, we plan to get on this well beginning of second week in June. Of course, we cannot proceed unless we have the permit.

Thank you,

BRIAN M. JARVIS, ESQ. LL.M.
Hydrocarbon Well Services
President
2934 Old Weston Road
PO Drawer 995
Buckhannon, WV 26201
(304) 472-9600
hydrocarbonwell.com

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