



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

Monday, February 1, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

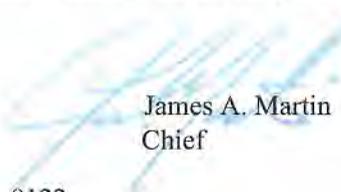
DOMINION ENERGY TRANSMISSION, INC.
925 WHITE OAKS BOULEVARD
BRIDGEPORT, WV 26330

Re: Permit approval for 8122
47-033-00728-00-00

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: 8122
Farm Name: POST, J. P.
U.S. WELL NUMBER: 47-033-00728-00-00
Vertical Plugging
Date Issued: 2/1/2021

Promoting a healthy environment.

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47-033-00728P

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 August 10, 2017
2) Operator's
Well No. 8122
3) API Well No. 47-033-00728

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 X

5) Location: Elevation 980' Watershed Isaacs Creek
District Union County Harrison Quadrangle West Milford 7.5'

6) Well Operator Dominion Transmission Inc 7) Designated Agent John M. Love
Address 925 White Oaks Blvd. Address 925 White Oaks Blvd.
Bridgeport, WV 26330 Bridgeport, WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name Stalnaker Energy
Address P.O. Box 2327 Address 220 W. Main St.
Buckhannon, WV 26201 Glennville, WV 26351

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

Please see attached sheet for plugging procedure.

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

Work order approved by inspector S. D. Ward Date 10/19/2020

8122
Production Well – Storage Protective Area
Plugging Procedure

Casing Strings

10-3/4" casing @ 172' – 360'

7" casing @ 1267' (on bottomhole packer)

5-1/2" casing @ 1817' (liner and casing, on packers)

3-1/2", 9.2#, J-55 tubing @ 3110' (cemented w/ 50 sx)

Zones of Interest

Water @ 529'

Water @ 603'

Sea level @ 980'

Injun @ 1263' – 1355' (gas @ 1287')

5-1/2" casing separation @ 1299'

Gantz @ 1570' – 1584'

Gantz A @ 1593' – 1605'

50' Sand @ 1658' – 1720' (gas @ 1682')

5th Sand @ 2058' – 2094' (gas @ 2068' – 2075')

Speechley @ 2754' – 2778' (gas @ 2754')

Balltown @ 2983' – 3016' (gas @ 2984' – 3015')

- File for and receive all necessary regulatory agency authorizations (§22-6-23; §35-4-13(1)(a)).
- Upgrade well site. Install well cellar and site containment in manner which protects the environment and any identified site-specific areas of concern.
- Move in service rig and ancillary equipment.
- Well conditions present may include salt / brine, paraffin / oil, and solids, and natural gas.
- Appropriate well control/diversion equipment needs utilized to divert flow and returns from well. Well control equipment should have a pressure rating higher than any pressure anticipated to be encountered during workover and plugging operations, be of dimensional proportions to allow passage of all anticipated tools and casing strings, and be able to isolate the wellbore at any time, as necessary. Well control equipment should be hydro pressure tested to a pressure in excess of the maximum pressure anticipated to be encountered during well work operations. Pressure tests should be recorded. All equipment should be assessed for soundness and all personnel required to operate well control equipment should demonstrate competency. Depending on the phase of operations, well control equipment may need to be changed or replaced. If so, the new equipment must meet all the aforementioned performance and testing requirements. **Prior to manipulating the 5-1/2" production casing, blowout prevention and pressure control equipment must be attached to the 7" casing. This will serve as the control devices and strings to be employed during storage horizon well work activities. This equipment must be tested to a pressure which exceeds the storage reservoir pressure. The recommended minimum size and pressure rating of a BOP attached to the 7" casing is 7-1/16", 3M. A full opening safety valve should be on the rig floor, in the open position with wrench present, with subs to adapt to all work string sections.**

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- Based on maximum anticipated pressures and formation properties, build workover fluid system.
 - To enhance compatibility with plugging operations, the workover fluid may be freshwater based 6% bentonite gel. If bentonite gel cannot be used as the workover fluid, 6% bentonite gel spacers will be required during plugging, to separate cement plugs.
 - During plugging of the Gantz / Gantz A interval, a higher density fluid may be required. Prior to exposing this zone through 5-1/2" casing recovery activities, it is recommended to coordinate with Gas Storage on the pressures possible during the planned plugging time interval.
- Depending on well flow and pressures, well may: 1) require to be killed or, 2) may be blown down and loaded with fluid. If well must be killed from surface, kill will be done before further downhole work proceeds. If well can be blown down, further work may proceed before loading the well is necessary.
- Pull free point on 3-1/2" tubing and determine length of free tubulars (maximum pull weight required, based on anticipated length of free tubulars = 31,000#) (§35-4-13.6).
- TIH w/ plugging string to as near TD as possible ($\pm 3079'$).
- If well did not require killing and could be blown down, load well w/ workover fluid.
- Circulate well (at least 1 surface to surface volume). Shut down and confirm well is static. If so, proceed with plugging. If not, perform corrective actions necessary to achieve static conditions, prior to proceeding with plugging activities.
- Spot balanced Class A cement plug f/ as near TD as possible ($\pm 3079'$) – t/ $\pm 50'$ below the anticipated 3-1/2" tubing free point (per records, the top of the 3-1/2" tubing cement is anticipated to be @ $\pm 2200'$) (this covers the Balltown and Speechley intervals) (§22-6-24 (a) (1)); 35-4-13.5 & 14.1).
- TOH.
- Sever 3-1/2" tubing at free point (mechanical or wireline cut).
- Pull 3-1/2" tubing (§35-4-13.6).
- Prior to setting cement plugs, a caliper log may be run to verify wellbore capacities across open hole plug intervals.
- TIH and tag top of last cement plug set, to verify depth.
- Circulate well (at least 1 surface to surface volume). Shut down and confirm well is static. If so, proceed with plugging. If not, perform corrective actions necessary to achieve static conditions, prior to proceeding with plugging activities.
- Spot balanced Class A cement plug f/ \pm top of bottom hole cement plug – t/ $\pm 1950'$ (this covers the tubing cut and 5th Sand) (§22-6-24 (a) (1)); 35-4-13.5 & 14.1).

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- TOH.
- TIH w/ plugging string and tag top of last cement plug set, to verify depth. The top of this bottom plug will serve as the platform for further plugging work related to the storage horizon. The bottom plug must be allowed to set and gain compressive strength, then be tagged to verify top of plug. If the plug is not found to be installed as designed, further cementing and verification activities may be required prior to proceeding.
- Pull free point on 5-1/2" casing and determine length of free tubulars (maximum pull required, based on total recorded length of tubulars = 34,000#) (§35-4-13.6).
- Sever 5-1/2" casing at free point (mechanical or wireline cut).
- Pull free 5-1/2" casing. (Due to 5-1/2" casing configuration (packer and liner), multiple pulls and/or pull attempts may be necessary) (§35-4-13.6).
- If 5-1/2" casing cannot be pulled below 1715', zones of concern which may require perforation are: 50' Sand @ 1682'; Gantz/A @ 1570' – 1605'; 5-1/2" casing separation @ 1299'; Injun @ 1287'; 7" casing seat @ 1267'; sea level @ 980'; water @ 603'; water @ 529'; bottom of 10-3/4" casing @ 360'.
 - The Gantz / Gantz A interval is of concern, due to being in the storage protective horizon. Additional measures may be required to confirm isolation of the storage interval, both above and below the zone, if casing cannot be removed across this interval. This may include, but is not limited to perforating, casing windows, and mechanical plugs/retainers. Coordination with Gas Storage is requested in the event of this situation.
 - If casing has been removed and the Gantz / Gantz A is exposed in the open hole section above the casing cut, a caliper log must be run to confirm the volumes of cement required to properly isolate the storage horizon.
- Circulate well (at least 1 surface to surface volume). Shut down and confirm well is static. If so, proceed with plugging. If not, perform corrective actions necessary to achieve static conditions, prior to proceeding with plugging activities.
- Pull up to ±1715' or 50' below the 5-1/2" casing top, whichever is deeper.
- It is recommended to allow the storage isolation plug to set, tagged, and verified prior to proceeding with further cement plug placement. If the storage isolation plug is not found to be in condition as designed, remediation of this plug is required prior proceeding. For the storage horizon, it is recommended that the cement plug extends at least 50' above the Ganz top and 50' below the Gantz A base. Cement by the following manners.:
 - If the 5-1/2" casing top is below ±1715', spot a balanced Class A cement plug across the 5-1/2" casing cut (50' above and 50' below the casing top), then spot Class A cement plugs (100' minimum length/plug) across all open hole zones of concern. Bring top of last cement plug to the 7" casing seat (±1267'), or;

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- If the 5-1/2" casing top is above $\pm 1715'$ and below the 7" casing seat ($\pm 1267'$), spot Class A cement plugs (100' minimum length/plug) across any perforated zones of concern, open hole zones of concern, and the 5-1/2" casing top (50' above and 50' below the casing top). Bring top of last cement plug to the 7" casing seat ($\pm 1267'$), or;
- If the 5-1/2" casing top is above the 7" casing seat ($\pm 1267'$), spot Class A cement plugs (100' minimum length/plug) across any perforated zones of concern and the 5-1/2" casing top (50' above and 50' below the casing top) (this may cover some or all of the aforementioned zones of concern) (§22-6-24 (a) (1)); 35-4-13.5 & 14.1).
- TOH.
- Pull free point on 7" casing and determine length of free tubulars (maximum pull weight required, based on total recorded length of tubulars = 39,000#) (§35-4-13.6).
- Sever 7" casing at free point (mechanical or wireline cut).
- Pull free 7" casing (§35-4-13.6).
- If 7" casing cannot be pulled below 1000', zones of concern which may require perforation are: 7" casing seat @ 1267'; sea level @ 980'; water @ 603'; water @ 529'; bottom of 10-3/4" casing @ 360'.
- Prior to setting cement plugs, a caliper log may be run to verify wellbore capacities across open hole plug intervals.
- TIH w/ plugging string and tag top of last cement plug set, to verify depth.
- Circulate well (at least 1 surface to surface volume). Shut down and confirm well is static. If so, proceed with plugging. If not, perform corrective actions necessary to achieve static conditions, prior to proceeding with plugging activities.
- Spot Class A cement plugs (100' minimum length/plug) across any perforated zones of concern, open hole zones of concern, and the 7" casing top (50' above and 50' below the casing top) (this may cover some or all of the aforementioned zones of concern). The final Class A cement plug should be set f/ $\pm 370'$ – t/ surface (§22-6-24 (a) & (a) (1)); 35-4-13.5 & 14.1).
- TOH.
- Rig down and move out service rig and equipment.
- Remove site containment and well cellar.
- Reclaim well site (§35-4-16).
- Top well off with cement, as necessary.
- Install well monument (§22-6-24(c)).

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- File any necessary forms with regulatory agencies, including WV DEP forms WR-34 and WR-38 (\$22-6-23).

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

OIL & GAS
DEPT.

Quadrangle Weston

Permit No. HAR-729-Red

Rotary _____ Oil _____
Cable X Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage X _____
Disposal _____ (Kind) _____

Company Consolidated Gas Supply Corp.
Address Clarksburg, WV
Farm Florence Wiant Acres 1
Location (waters) Lost Creek
Well No. CW-522 (5083) Elev. 1047
District Grant County Harrison
The surface of tract is owned in fee by _____
Florence Wiant
Address Lost Creek, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced 8-28-73
Drilling Completed 9-19-73
Initial open flow _____ cu. ft. _____ bbls.
Final production 0 cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. XX-10"	180	180	100 SKS
9 5/8			
8 5/8	686	-	
7	1201	501	
5 1/2			
4 1/2			
3			
2 Tubing	1970	-	
Liners Used			

Attach copy of cementing record.

*Redrilled and reabandoned a/c Lost Creek Storage

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big Lime			1109	1164		
Big Injun			1164	1283		
Gantz			1484	1512		
Gantz "A"			1524	1551		
50'			1576	1646		
Total Depth				1864		

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(over)

* Indicates Electric Log tops in the remarks section.

HAR-729



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

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Quadrangle WESTON
Permit No. HAR-723-DL

Rotary _____ Oil _____
Cable 32 Gas _____
Recycling _____ Comb _____
Water Flood _____ Steam _____
Disposal _____

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Jacob P. Post Acres 283
Location (waters) Isaacs Creek
Well No. 8122 Elev. 977'
District Union County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 8-13-73
Drilling Completed 8-18-73
Initial open flow 60 M cu. ft. _____ bbls.
Final production 348 M cu. ft. per day _____ bbls.
Well open 14 days hrs. before test 1210 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement (lb. or Cu. Ft. (Sk.))
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2			
3 1/4	3110	3110	50 bag cement
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Well fractured 8-27-73 with 700 bbl water, 25,000# sand and 500 gal 15% acid
Perforations: 2983' to 3015' with 1/4 holes

Coal was encountered at None Feet _____ Inches _____
Fresh water None Feet _____ Salt Water None Feet _____
Producing Sand Balltown Depth 2983-3015'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Started Drilling			2776'			
Line			2776	2933		
Balltown			2933	3014'	Gas 2983-3015'	
Slate			3014	3129		
Total Depth				3129'		

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WV Department of Environmental Protection

Consolidated Gas Supply Corporation
115 West Main Street
Clarksburg, W. Va.

* Indicates Electric Log tops in the remarks section.

J MW

OG-10
Rev. 1-1-61



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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AUG 9 1973

OIL & GAS DIVISION
DEPT. OF MINES

Rotary _____ Oil _____
Cable XX Gas XX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle WFSTON

Permit No. - 728

Company <u>Consolidated Gas Supply Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Clarksburg, W. Va.</u>				
Farm <u>Jacob P. Post</u> Acres <u>283</u>	Size			
Location (waters) <u>Isaac's Creek</u>	20-16			
Well No. <u>8122</u> Elev. <u>977'</u>	Cond.			
District <u>Union</u> County <u>Harrison</u>	<u>12-10"</u>	<u>360</u>	<u>None</u>	
The surface of tract is owned in fee by _____	<u>9 5/8</u>			
Address _____	<u>8 5/8</u>	<u>788</u>	<u>None</u>	
Mineral rights are owned by _____	<u>7</u>	<u>1267</u>	<u>1267</u>	
Address _____	<u>5 1/2</u>	<u>1817</u>	<u>1817</u>	
Drilling Commenced <u>1-28-13</u>	<u>4 1/2</u>			
Drilling Completed <u>3-23-13</u>	<u>3</u>			
Initial open flow <u>Exhausted</u> cu. ft. _____ bbls.	<u>2</u>			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Will deepen to lower sands

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water 529 Feet _____ Salt Water 603 Feet _____
Producing Sand 5th & speechley exhausted Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Dunkard			215	375	Water	529 & 603'
Salt Sand			605	700		
Maxton Sand			840	900		
Injun Sand			1263	1390	Gas	1287'
Berea			1570	1585	Gas	1682'
50' Sand			1703	1739		
Stray			1812	1834		
lthsand			1952	1965	Gas	2068'
Speechley			2750	2760		
Total Depth				2776'		

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, W. Va.

(over)

* Indicates Electric Log tops in the remarks section.

WW-4A
Revised 6-07

1) Date: 8/10/17
2) Operator's Well Number
8122

3) API Well No.: 47 - 033 - 00728

**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>Perry Lee Post</u>	Name <u>N/A</u>
Address <u>397 Isaacs Creek Rd.</u>	Address _____
<u>Lost Creek, WV 26385</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>None with Declaration</u>
_____	Address _____
_____	_____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name <u>None</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</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 Dominion Transmission Inc.
By: John M. Love
Its: Designated Agent
Address 925 White Oaks Boulevard
Bridgeport, WV 26330
Telephone 304-627-3733

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Office of Oil and Gas

Subscribed and sworn before me this 18th day of November, 2020
Melissa D. Mars Notary Public

My Commission Expires July 5, 2025

Oil and Gas Privacy Notice

NOV 24 2020

WV Department of
Environmental Protection

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.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature x P POST <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>																
<p>1. Article Addressed to: PERRY LEE POST 397 ISAACS CREEK RD. LOST CREEK, WV 26385</p>	<p>B. Received by (Printed Name) LL POST C. Date of Delivery 9/14/20</p>																
 <p>9590 9402 4307 8190 3634 20</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p> <p style="text-align: center; font-size: 1.2em;">RECEIVED SEP 16 2020</p>																
<p>2. Article Number (Transfer from service label) 7018 2290 0000 1197 7608</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Registered Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Registered Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise																
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™																
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Registered Mail Restricted Delivery (over \$500)																	

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

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WV Department of
 Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

8122

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,

RECEIVED
Office of Oil and Gas

NOV 24 2020

_____	Date _____	Name _____	_____
Signature		By	Date
		Its	_____
		Signature	_____
		WV Department of Environmental Protection	Date _____

WW-9
(5/16)

API Number 47 - 033 - 00728
Operator's Well No. _____

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

Operator Name Dominion Transmission Inc. OP Code 307048

Watershed (HUC 10) Isaacs Creek Quadrangle West Union 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-CPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain AST will be put on site and removed following plugging)

*S.D.W.
10/19/2020*

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. None

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

Additives to be used in drilling medium? No Drilling, P&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 _____

Company Official (Typed Name) John M. Love

Company Official Title Designated Agent

RECEIVED
Office of Oil and Gas

NOV 24 2020

WV Department of
Environmental Protection

Subscribed and sworn before me this 18th day of November, 2020

Melissa D. Mars

Notar Public

My commission expires July 5, 2025



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Melissa D. Mars
925 White Oaks Blvd.
Bridgeport, WV 26330
My Commission Expires July 5, 2025

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 6.3

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 1/3 Ton lbs/acre

Mulch Hay 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	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: _____

RECEIVED
Office of Oil and Gas
NOV 24 2020

WV Department of
Environmental Protection

Title: [Signature]

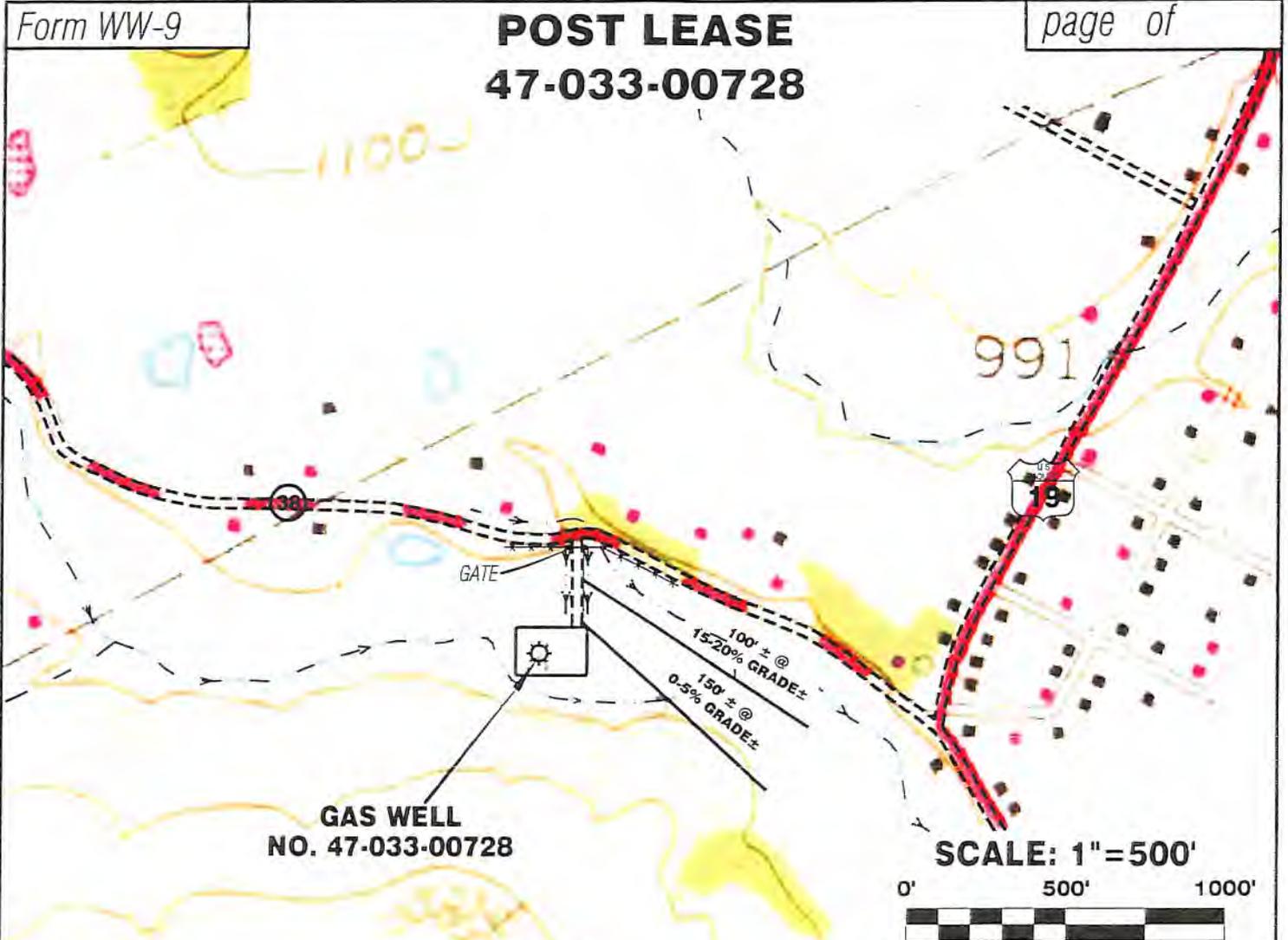
Date: 10/19/2020

Field Reviewed? () Yes (X) No

Form WW-9

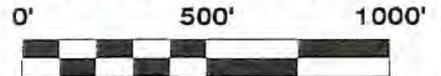
**POST LEASE
47-033-00728**

page of

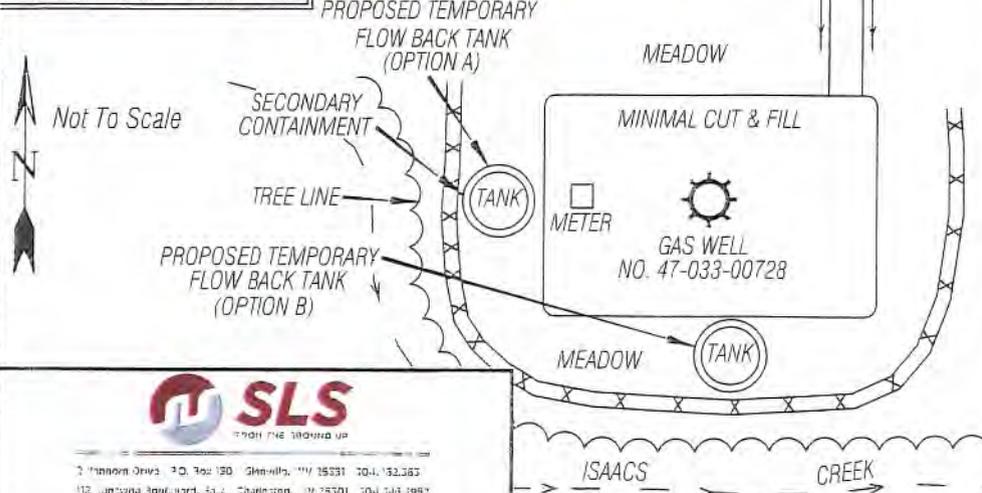


**GAS WELL
NO. 47-033-00728**

SCALE: 1" = 500'



Detail Sketch for 47-033-00728



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

- = EXISTING CULVERT
- = PROPOSED CULVERT 15' MIN UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING
- = APPROXIMATE LIMITS OF DISTURBANCE



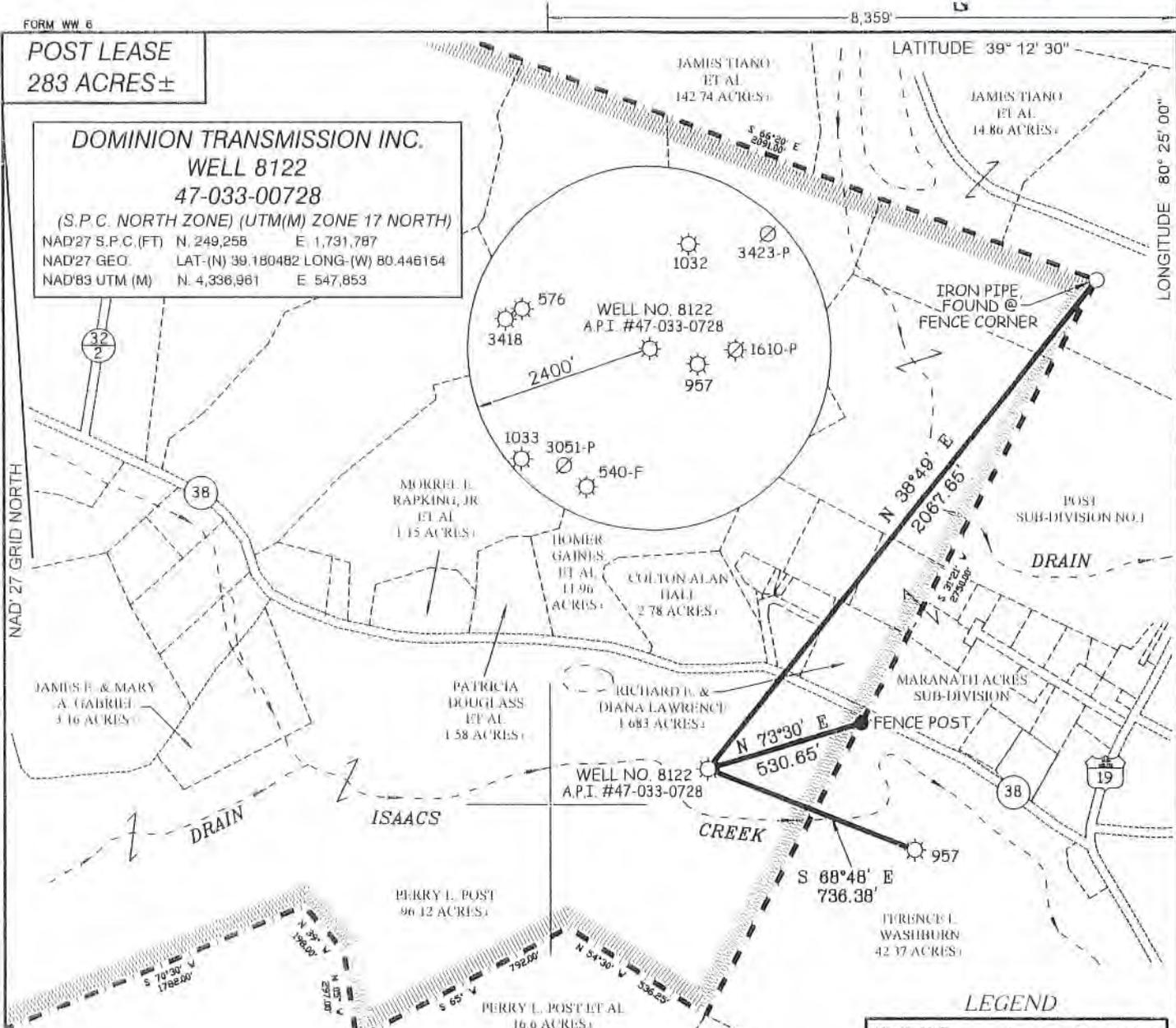
3 Freedom Drive P.O. Box 180 Glenville, WV 26031 704.323.267
 112 Limestone Road, 6th Fl. Charleston, WV 25301 204.243.1997
 150 East Technology Plaza, 3rd Floor, WV 25707 204.399.2296

TOPO SECTION OF WEST MILFORD
7.5' TOPO QUADRANGLE

DRAWN BY CPM	FILE NO. 8707	DATE 08-18-20	CADD FILE: 8707RECR.dwg
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POST LEASE
283 ACRES±

DOMINION TRANSMISSION INC.
WELL 8122
47-033-00728
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
NAD'27 S.P.C.(FT) N. 249,258 E. 1,731,787
NAD'27 GEO. LAT-(N) 39.180482 LONG-(W) 80.446154
NAD'83 UTM (M) N. 4,336,961 E. 547,853



NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 08/08/1973 FOR WELL A.P.I. #47-033-0728, DEED BOOK 1329 PAGE 346.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN AUGUST, 2020.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

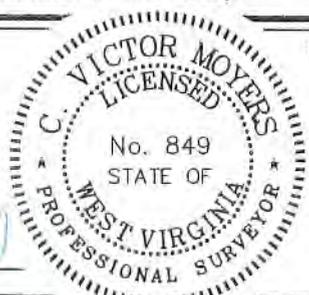
LEGEND

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	-----
OFFSET LINE	-----
TIE LINE	-----
CREEK	~~~~~
ROAD	=====
FENCE LINE	-----
COUNTY ROUTE	-----
STATE ROUTE	-----
PROPOSED WELL	☉
EXISTING WELL	⊙
PERMITTED WELL	⊙



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE APRIL 20, 20 11
REVISED 8-10-2017 & 8-18-2020
OPERATORS WELL NO. 8122
API WELL NO. 47-033-00728
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8707P8122R.DWG
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SUBMETER MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 500'

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION:
ELEVATION 980' WATERSHED ISAACS CREEK
DISTRICT UNION COUNTY HARRISON QUADRANGLE WEST MILFORD 7.5'

SURFACE OWNER PERRY LEE POST ACREAGE 96.12±
ROYALTY OWNER C.W. POST ACREAGE 283±

PROPOSED WORK: LEASE NO. 52902
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BALLTOWN
ESTIMATED DEPTH 3079'

WELL OPERATOR DOMINION TRANSMISSION INC. DESIGNATED AGENT JOHN M. LOVE
ADDRESS 925 WHITE OAKS BOULEVARD ADDRESS 925 WHITE OAKS BOULEVARD
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

COUNTY NAME
PERMIT