

JAN 25 2019

Source Water Protection

3WP20, 21, 22

OMB No. 2040-0042 Approval Expires 12/31/2018



United States Environmental Protection Agency  
Washington, DC 20460  
**ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT**

<b>Name and Address of Existing Permittee</b> Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201	<b>Name and Address of Surface Owner</b> USDA Forest Service 29 Forest Service Drive, Bradford Pa. 16701
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<b>Locate Well and Outline Unit on Section Plat - 640 Acres</b>  	<b>State</b> Pa	<b>County</b> McKean	<b>Permit Number</b> PAS2R301AMCK
	<b>Surface Location Description</b> ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township Range		
	<b>Locate well in two directions from nearest lines of quarter section and drilling unit</b> <b>Surface</b> Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.		
<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage		<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 8	
Lease Name Big Shanty		Well Number 37-083-26675-#8	

RECEIVED  
EPA REGION III  
JAN 28 2019  
GROUND WATER DIVISION

MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		500		31			
February-2018		800		14			
March-2018		800		14			
April-2018		800		10			
May-2018		820		10			
June-2018		820		9			
July-2018		800		15			
August-2018		800		15			
September-2018		840		20			
October-2018		820		22			
November-2018		800		24			
December-2018		840		25			

**Certification**

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments 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 and imprisonment. (Ref. 40 CFR 144.32)

<b>Name and Official Title (Please type or print)</b> Bryan Snyder	<b>Signature</b> 	<b>Date Signed</b> 01/07/18
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78 total bbls = 1209  
max pressure = 800

Compliance Review Completed  
Wells Updated  
Ret to G: Drive run 2/13/19



United States Environmental Protection Agency  
Washington, DC 20460

**ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT**

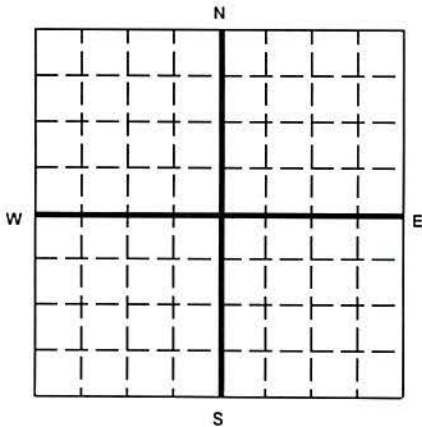
Name and Address of Existing Permittee

Snyder Brothers Inc  
1 Glade Park East, Kittanning pa. 16201

Name and Address of Surface Owner

USDA Forest Service  
29 Forest Service Drive, Bradford Pa. 16701

Locate Well and Outline Unit on Section Plat - 640 Acres



State  
Pa

County  
McKean

Permit Number  
PAS2R301AMCK

Surface Location Description

\_\_\_ 1/4 of \_\_\_ 1/4 of \_\_\_ 1/4 of \_\_\_ 1/4 of Section \_\_\_ Township Range

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location \_\_\_ ft. frm (N/S) \_\_\_ Line of quarter section  
and \_\_\_ ft. from (E/W) \_\_\_ Line of quarter section.

WELL ACTIVITY

- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

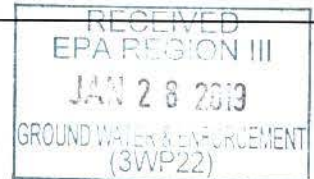
TYPE OF PERMIT

- Individual
- Area

Number of Wells 8

Lease Name Big Shanty

Well Number 37-083-27715 #11



INJECTION PRESSURE

TOTAL VOLUME INJECTED

TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)

MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		540		36			
February-2018		820		16			
March-2018		800		17			
April-2018		820		12			
May-2018		820		11			
June-2018		820		10			
July-2018		800		17			
August-2018		800		17			
September-2018		840		23			
October-2018		820		25			
November-2018		800		27			
December-2018		840		28			

**Certification**

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Name and Official Title (Please type or print)

Bryan Snyder

Signature

Date Signed

01/07/18

total bbls = 239

MAX pressure = 800

Compliance Review Completed  
WMS updated  
Pit to 6' Drive run 2/13/19

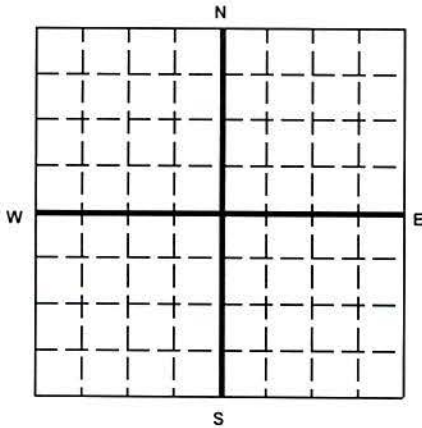


United States Environmental Protection Agency  
Washington, DC 20460

## ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

<b>Name and Address of Existing Permittee</b> Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201	<b>Name and Address of Surface Owner</b> USDA Forest Service 29 Forest Service Drive, Bradford Pa. 16701
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Locate Well and Outline Unit on Section Plat - 640 Acres



State Pa	County McKean	Permit Number PAS2R301AMCK
Surface Location Description ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township Range		
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.		
<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage		<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 8
Lease Name Big Shanty		RECEIVED EPA REGION III JAN 28 2019 GROUND WATER ENFORCEMENT (3WP22) Well Number 37-083-27727 W-12

MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		480		44			
February-2018		820		20			
March-2018		800		20			
April-2018		820		15			
May-2018		820		14			
June-2018		820		14			
July-2018		800		22			
August-2018		800		21			
September-2018		840		29			
October-2018		820		31			
November-2018		800		34			
December-2018		840		35			

### Certification

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<b>Name and Official Title (Please type or print)</b> Bryan Snyder	<b>Signature</b> 	<b>Date Signed</b> 01/07/18
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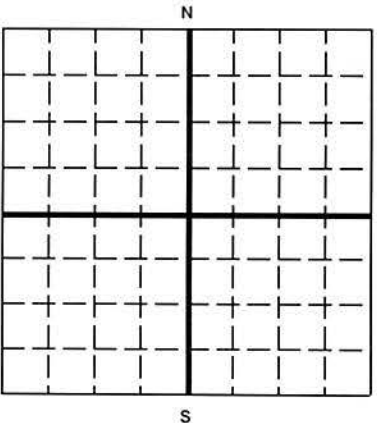
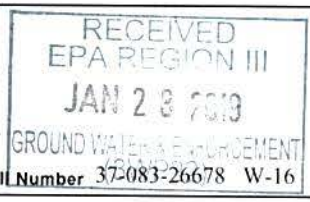
total bbls = 1299  
 MAX PRESSURE = 840  
 Compliance Review Completed  
 WIMS updated  
 Pdf to G: Drive run 2/13/19



United States Environmental Protection Agency  
Washington, DC 20460

**ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT**

<b>Name and Address of Existing Permittee</b> Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201	<b>Name and Address of Surface Owner</b> USDA Forest Service 29 Forest Service Drive, Bradford Pa. 16701
---	--

<b>Locate Well and Outline Unit on Section Plat - 640 Acres</b> 	<b>State</b> Pa	<b>County</b> McKean	<b>Permit Number</b> PAS2R301AMCK
<b>Surface Location Description</b> ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township Range			
<b>Locate well in two directions from nearest lines of quarter section and drilling unit</b> Surface Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.			
<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage		<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 8	
Lease Name Big Shanty			

MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		480		89			
February-2018		780		40			
March-2018		800		41			
April-2018		820		30			
May-2018		820		28			
June-2018		800		26			
July-2018		820		44			
August-2018		840		42			
September-2018		840		58			
October-2018		820		63			
November-2018		800		68			
December-2018		840		71			

**Certification**

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<b>Name and Official Title (Please type or print)</b> Bryan Snyder	<b>Signature</b> 	<b>Date Signed</b> 01/07/18
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*total bbls = 600*  
*MAX pressure = 800*  
*Compliance Review Completed*  
*WMS updated*  
*Pkt to G: Drive on 2/13/19*

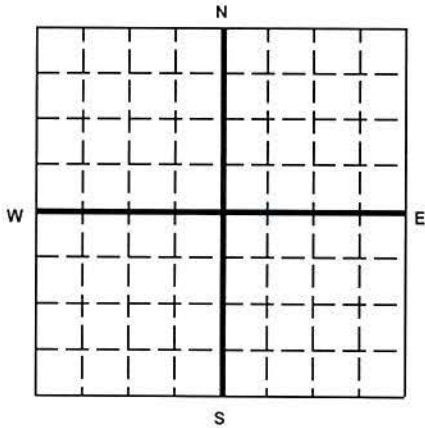


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Washington, DC 20460

### ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

<b>Name and Address of Existing Permittee</b> Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201	<b>Name and Address of Surface Owner</b> USDA Forest Service 29 Forest Service Drive, Bradford Pa. 16701
---	--

Locate Well and Outline Unit on Section Plat - 640 Acres



State Pa	County McKean	Permit Number PAS2R301AMCK
Surface Location Description ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township Range		
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.		
WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage	TYPE OF PERMIT <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 8	RECEIVED EPA REGION III JAN 28 2019 GROUND WATER REINFORCEMENT (314100) Well Number 37-083-26684 W-35
Lease Name Big Shanty		

MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		480		54			
February-2018		780		24			
March-2018		800		24			
April-2018		820		18			
May-2018		820		17			
June-2018		800		17			
July-2018		820		26			
August-2018		840		25			
September-2018		840		35			
October-2018		820		38			
November-2018		800		41			
December-2018		840		43			

**Certification**

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Name and Official Title (Please type or print) Bryan Snyder	Signature 	Date Signed 01/07/18
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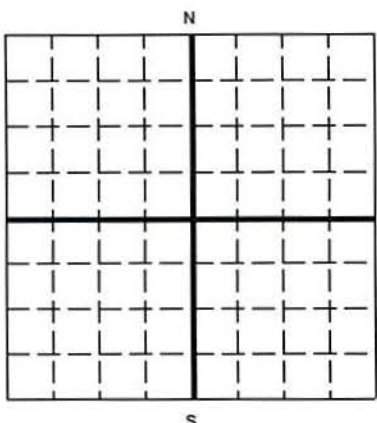
*total bbls - 362*  
*MAX PRESSURE - 800*  
*Compliance Review Completed*  
*WMS Updated*  
*Att to G.Drme 2/13/19*



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Washington, DC 20460

**ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT**

<b>Name and Address of Existing Permittee</b> Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201	<b>Name and Address of Surface Owner</b> USDA Forest Service 29 Forest Service Drive, Bradford Pa. 16701
---	--

Locate Well and Outline Unit on Section Plat - 640 Acres  	State Pa	County McKean	Permit Number PAS2R301AMCK
Surface Location Description ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township Range			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.			
WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage		TYPE OF PERMIT <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 8	
Lease Name Big Shanty		Well Number 37-083-28130 #76	



MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		480		89			
February-2018		780		39			
March-2018		800		41			
April-2018		820		30			
May-2018		820		28			
June-2018		800		26			
July-2018		820		44			
August-2018		840		42			
September-2018		840		58			
October-2018		820		63			
November-2018		800		68			
December-2018		840		71			

**Certification**

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Name and Official Title (Please type or print) Bryan Snyder	Signature 	Date Signed 01/07/18
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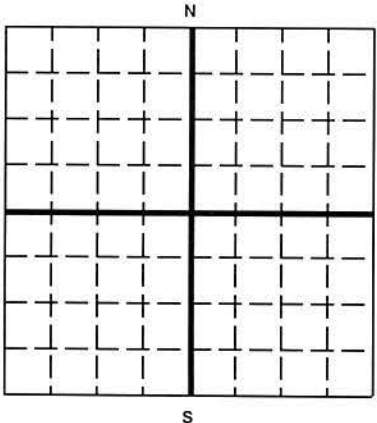

total bbls = 599  
 max pressure = 800  
 Compliance Review Completed  
 WMS updated  
 Pdf to G. Drne run 2/13/19



United States Environmental Protection Agency  
Washington, DC 20460

### ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

<b>Name and Address of Existing Permittee</b> Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201	<b>Name and Address of Surface Owner</b> USDA Forest Service 29 Forest Service Drive, Bradford Pa. 16701
---	--

<b>Locate Well and Outline Unit on Section Plat - 640 Acres</b> 	<b>State</b> Pa	<b>County</b> McKean	<b>Permit Number</b> PAS2R301AMCK
<b>Surface Location Description</b> ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township Range			
<b>Locate well in two directions from nearest lines of quarter section and drilling unit</b> Surface Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.			
<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage		<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 8	
Lease Name Big Shanty			

MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		480		44			
February-2018		780		20			
March-2018		800		21			
April-2018		820		15			
May-2018		820		14			
June-2018		800		13			
July-2018		820		22			
August-2018		840		21			
September-2018		840		29			
October-2018		820		32			
November-2018		800		34			
December-2018		840		36			

**Certification**

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<b>Name and Official Title (Please type or print)</b> Bryan Snyder	<b>Signature</b> 	<b>Date Signed</b> 01/07/18
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*total bbls = 301*  
*max pressure = 880*

*Compliance Review Completed*  
*WIMS Updated*  
*pdf to G: Drive 2/13/19*



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Washington, DC 20460

**ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT**

<b>Name and Address of Existing Permittee</b> Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201	<b>Name and Address of Surface Owner</b> USDA Forest Service 29 Forest Service Drive, Bradford Pa. 16701
---	--

<b>Locate Well and Outline Unit on Section Plat - 640 Acres</b>  	<b>State</b> Pa	<b>County</b> McKean	<b>Permit Number</b> PAS2R30IAMCK
<b>Surface Location Description</b> ___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township Range			
<b>Locate well in two directions from nearest lines of quarter section and drilling unit</b> Surface Location ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.			
<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage		<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 8	
Lease Name Big Shanty			

MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018		480		58			
February-2018		780		26			
March-2018		800		27			
April-2018		820		19			
May-2018		820		18			
June-2018		800		17			
July-2018		820		28			
August-2018		840		27			
September-2018		840		38			
October-2018		820		41			
November-2018		800		44			
December-2018		840		46			

**Certification**

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<b>Name and Official Title (Please type or print)</b> Bryan Snyder	<b>Signature</b> 	<b>Date Signed</b> 01/07/18
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1 total bbls = 389  
 Max pressure = 800  
 Compliance Review Completed  
 WIMS Updated  
 Pelt to G: Drive on 2/19/18