

Source Water Protection

OMB No. 2040-0042

Approval Expires 12/31/2018

3WP20, 21, 22 United States Environmental Protection Agency

Washington, DC 20460 **SEPA** ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT Name and Address of Existing Permittee Name and Address of Surface Owner USDA Forest Service Snyder Brothers Inc 1 Glade Park East, Kittanning pa. 16201 29 Forest Service Drive, Bradford Pa. 16701 State County Permit Number Locate Well and Outline Unit on PAS2R301AMCK Pa McKean Section Plat - 640 Acres Surface Location Description 1/4 of 1/4 of Section Township 1/4 of Locate well in two directions from nearest lines of quarter section and drilling unit Surface Line of quarter section ft. frm (N/S) _ Location ft. from (E/W) Line of quarter section. WELL ACTIVITY TYPE OF PERMIT w Individual **Brine Disposal** ✓ Area ✓ Enhanced Recovery Hydrocarbon Storage Number of Wells 8 Well Number 37-083-26675 #8 Lease Name Big Shanty S TUBING -- CASING ANNULUS PRESSURE

	INJECTION PRESSURE		TOTAL VOLUME INJECTED		(OPTIONAL MONITORING)	
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2018	500		31			
February-2018	800		14	1		
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	20	22			
November-2018	800		24			
December-2018	840		25	1		

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 possibliity of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)	Signature	Date Signed
Bryan Snyder	Bus K. S. A.	01/07/18

EPA Form 7520-11 (Rev. 12-11)

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ŞEPA	ANNUAL DI		Washington, DC 20460 ECTION WELL	MONITOR	ING REPORT	
Name and Address of E Snyder Brothers Inc 1 Glade Park East, K	2005 1		USDA Fo	Address of Surface rest Service Service Drive, Br	Owner radford Pa. 16701	
Locate Well and C Section Plat - 640		State Pa		County McKean		Number R301AMCK
	N	1 Locate Surfac	e well in two directions to ee on ft, frm (N/S)	from nearest lines	ection .	Range drilling unit
w		-	ft. from (E/W) L FELL ACTIVITY Brine Disposal Enhanced Recovery Hydrocarbon Storage ease Name Big Shanty	TYPE OF PE	RMIT EPA	REGIVED A REGION III N 2 8 2013 VALENTA ENTURUEMENT (3WP22) 7-083-27715 #11
	INJECTION	I PRESSURE	TOTAL VOLUM	ME INJECTED		G ANNULUS PRESSURE
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			
une-2018	820		10			
uly-2018	800		17			
August-2018	800		17			
September-2018	840		23			
October-2018	820		25			
November-2018	800		27			
December-2018	840		28			
information is tru	tnat, based on my inqu	uiry of those individuate that	Certification ned and am familiar with als immediately respons there are significant per	ible for obtaining	the information I halia	ve that the

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		SPUSAL/INJ	ECTION WELL	. WONTOR	ING REPOR	Carried Carrie
Name and Address of Ex Snyder Brothers Inc 1 Glade Park East, Ki			USDA Fo	Address of Surface orest Service Service Drive, Br		
Locate Well and Outline Unit on Section Plat - 640 Acres				County McKean	1985.54000	it Number S2R301AMCK
	N I I I		ce Location Description	Lot 1/4 of Si	ection Townshi	ip Range
	- -	ie:	e well in two directions	from nearest lines _ Line of quarter s	of quarter section as	
w		-	VELL ACTIVITY Brine Disposal Enhanced Recovery Hydrocarbon Storage ease Name Big Shanty	TYPE OF PE	RMIT EPA II JA Vells 8 GROUND	REGION III N 2 8 2019 NATERINE V- ORGEMENT (3WP22) 37-083-27727 W-12
	S				TUBING CASI	ING ANNULUS PRESSUR
MONTH YEAR	INJECTION AVERAGE PSIG	PRESSURE	TOTAL VOLUM		(OPTION	IAL MONITORING)
January-2018	480	MAXIMUM PSIG	44 BBL	MCF	MINIMUM PSI	G MAXIMUM PSIG
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			
information is true	iat, based on my inqu	liry of those individu	Certification ined and am familiar with als immediately respons there are significant per	tible for obtaining	the information I had	lious that the
ame and Official Title <i>(I</i> Bryan Snyder	Please type or print)	s	ignature	a a		Date Signed

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lame and Address of B Snyder Brothers Inc			USDA	Address of Surface Forest Service	5.22.23.55	
I Glade Park East, k	2728 21 N	State	29 Fore	st Service Drive, Br	Permi	t Number
Section Plat - 640		Pa Surface	- I	McKean	PAS	2R301AMCK
	N	7		1/4 of 1/4 of Se	ection Township	
- 		Locate Surface Location and	on ft. frm (N/S) _	s from nearest lines Line of quarter s Line of quarter secti		d drilling unit
w			ELL ACTIVITY Brine Disposal Enhanced Recovery Hydrocarbon Storag ase Name Big Shant	ge Number of V	Velis 8 GROUND W	ECEIVED REGION III N 2 8 7619 MEna Emundement (2083-26678 W-16
	S				1:	*
	INJECTION	PRESSURE	TOTAL VOL	UME INJECTED		IG ANNULUS PRESSURE AL MONITORING)
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
anuary-2018	480		89			
ebruary-2018	780		40			
farch-2018	800		41			
pril-2018	820		30			
lay-2018	820		28			
une-2018	800		26			
ıly-2018	820		44			
ugust-2018	840		42			
eptember-2018	840		58			
ctober-2018	820		63			
ovember-2018	800		68			
December-2018	840		71			
I certify under the	e penalty of law that I h that, based on my inque, accurate, and comp	uiry of those individua	Is immediately respo	nsible for obtaining	the information I hali	ave that the
information is tru	tion in prisonments (
possibliity of fine	(Please type or print)		gnature			Date Signed

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lame and Address of E Snyder Brothers Inc I Glade Park East, K			USDA	nd Address of Surface of Forest Service est Service Drive, Br		
Locate Well and 0 Section Plat - 640		State Pa	E5 =	County McKean	ACCUSED AND ACCUSED	mit Number S2R301AMCK
	N I I I	N 1	e Location Descripti	on 1/4 of 1/4 of Se	ection Townsl	hip Range
	- -+- -+- - -+- -+- - -+- -+-	Surface	e on ft. frm (N/S)	ns from nearest lines of Line of quarter se _ Line of quarter secti	etion on,	A The Language
w			ELL ACTIVITY Brine Disposal Enhanced Recover Hydrocarbon Stora ase Name Big Shan	age Number of W	JA. Vells 8 GROUND W	ECEIVED REGION III N 2 8 7019 A 22 7083-26684 W-35
	S	I PRESSURE	TOTAL VO	LUME INJECTED		SING ANNULUS PRESSURI
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PS	3. 19. 190 (10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
anuary-2018	480		54			
ebruary-2018	780		24			
farch-2018	800		24			
pril-2018	820		18			
1ay-2018	820		17			
une-2018	800		17			
aly-2018	820		26			
ugust-2018	840		25			
eptember-2018	840		35			
ctober-2018	820		38			
lovember-2018	800		41			
ecember-2018	840		43			
2010			Certification		1	
I certify under the attachments and information is tru	that, based on my inqu	liry of those individua- lete. I am aware that	ned and am familiar	with the information so onsible for obtaining t penalties for submitti	he information I h	aliava that the

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United States Environmental Protection Agency Washington, DC 20460 **ŞEPA** ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT Name and Address of Surface Owner Name and Address of Existing Permittee USDA Forest Service Snyder Brothers Inc 29 Forest Service Drive, Bradford Pa. 16701 1 Glade Park East, Kittanning pa. 16201 Permit Number County State Locate Well and Outline Unit on PAS2R301AMCK Pa McKean Section Plat - 640 Acres Surface Location Description 1/4 of ____ 1/4 of Section _ Township Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location ft. frm (N/S) ____ Line of quarter section Line of quarter section, and ft. from (E/W) TYPE OF PERMIT WELL ACTIVITY W Individual Brine Disposal ✓ Area ✓ Enhanced Recovery Number of Wells 8 Hydrocarbon Storage Well Number 37-083-28130 #76 Lease Name Big Shanty S TUBING -- CASING ANNULUS PRESSURE INJECTION PRESSURE TOTAL VOLUME INJECTED (OPTIONAL MONITORING) MAXIMUM PSIG MINIMUM PSIG MAXIMUM PSIG MONTH AVERAGE PSIG MCF YEAR BBI 89 January-2018 480 780 39 February-2018 March-2018 800 41 820 April-2018 30 May-2018 820 28 June-2018 800 26 July-2018 820 44 August-2018 840 42 September-2018 840 58 820 October-2018 63 November-2018 800 68 December-2018 840 71 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 possibliity of fine and imprisonment. (Ref. 40 CFR 144.32) Name and Official Title (Please type or print) Signature Date Signed Bryan Snyder 01/07/18

EPA Form 7520-11 (Rev. 12-11)

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Name and Address of E Snyder Brothers Inc 1 Glade Park East, k			Name and USDA	d Address of Surface Forest Service st Service Drive, B	4704350 F701	
Locate Well and Section Plat - 640		State Pa		County McKean		Number R301AMCK
W	N	Surface Locate Locate and E W	e well in two direction e on ft. frm (N/S) _	s from nearest lines Line of quarter s Line of quarter sect TYPE OF PE Individu	ection Township of quarter section and ection ion. RMIT al	Range
	s	-		i).	TURING CASING	S ANNULUS PRESSURE
MONTH YEAR		PRESSURE		UME INJECTED	(OPTIONAL	MONITORING)
lanuary-2018	480	MAXIMUM PSIG	BBL 44	MCF	MINIMUM PSIG	MAXIMUM PSIG
ebruary-2018	780		20			-
4arch-2018	800		21			
April-2018	820		15			
Лау-2018	820		14			
une-2018	800		13			
uly-2018	820		22			
August-2018	840		21			
September-2018	840		29			
October-2018	820		32			
November-2018	800		34			
December-2018	840		36			
information is tru	that, based on my ingi	arry of those individua- lete. I am aware that	als immediately respo	nsible for obtaining	ubmitted in this docum the information, I belie ing false information, in	un that the
	(Please type or print)	Si	gnature	1		Date Signed
Bryan Snyder				/1		

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≎EPA		SPUSAL/INJE	CTION WELL	MONITORING	GKEFOKI	
Name and Address of E Snyder Brothers Inc	xisting Permittee			ddress of Surface Own	er	
1 Glade Park East, K	ittanning pa. 16201			rest Service Service Drive, Bradfo	ord Pa. 16701	
Locate Well and O Section Plat - 640 A		State Pa		County McKean	Permit N PAS2R	umber 301AMCK
	N	Surface	Location Description			
	Ť	<u>1/4</u>	of 1/4 of 1/4	of 1/4 of Section	on Township	Range
- + + · · · · · · · · · · · · · · ·	- -+- -+- - -+- -+- - -+- -+-	Locate Surface Location	nft, frm (N/S)	Line of quarter section.	on	*************************************
w i i i i	- 	E WE	LL ACTIVITY	TYPE OF PERMIT	-	
			Brine Disposal Enhanced Recovery Hydrocarbon Storage se Name Big Shanty	│ Individual │ ✓ Area Number of Wells	RECE EPA REC S JAN 2 1	3 7019
	s	Lea	se Name Dig Shanty	W. D.	Well Number 37	2(2)
				\		0
	INJECTION	PRESSURE	TOTAL VOLUM	ME INJECTED	TUBING CASING (OPTIONAL	ANNULUS PRESSI MONITORING)
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSI
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			8
October-2018	820		41			
November-2018	800		44			
December-2018	840		46			
			Certification			specified and specification
information is tru	that, based on my inq	nave personally examin uiry of those individual lete. I am aware that t Ref. 40 CFR 144.32)	s immediately respons	ible for obtaining the	information. I believ	e that the
information is tru	that, based on my inq e, accurate, and comp and imprisonment. (i	uiry of those individual lete. I am aware that t Ref. 40 CFR 144.32)	s immediately respons	ible for obtaining the	information, I believ false information, in	e that the

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