

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, April 11, 2022 WELL WORK PERMIT Vertical / Re-Work

HG ENERGY, LLC 5260 DUPONT ROAD PARKERSBURG, WV 26101

Re: Permit approval for J. H. STARR 107

47-087-04782-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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.

Operator's Well Number: J. H. STARR 107

Farm Name: FISHER, FREDDIE

U.S. WELL NUMBER: 47-087-04782-00-00

Vertical Re-Work

Date Issued: 4/11/2022

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. 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.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
- 7. Well work activities shall not constitute a hazard to the safety of persons.
- Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced
 on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov
 within 30 days of commencement of drilling.

FORM WW-3 (B) 1/12



1)	Date:	01/05/2023	2				
2)	Opérato	r's Well N	lo.	JH S	Starr 107		
	API We		47	-	Roane	-	04782
			State	-	County		Permit
4	UIC Per	rmit No.	2R087	00000	5AP		

STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

	Elevation District:		d	_		tershed: Lau inty Roane	rel Fork	Quadrang	gle Looneyville 7.	5'
TO THE PARTY OF THE A						8) DESIGNA	TED AGE	VT Diane Wh	iite	
7) WELL OPERA		50 Dupont R				0) 2200000	Address		ont Road	
Add		kersburg, V			_				urg, WV 26101	
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OL & GAS IN		CIUDE	NOTHI	مرد		Name	0.001.00	N.		
Name Joe Tay	aylick Road		801		_	Address			4	
- Iddiess	NV 25271		1		_	-			4	
Ripley, v	WV ZUZI I		00		/ Drill d		/ Red	w F-1	/ Stimu	
11) PROPOSED V	TARGET 1	J FORMA	LION Blg	old forma hysical o	ation change in v	/ Performed / Perf		rmation Feet (top)) to 2432' F	verteet (bottom)
13) Estimated Der	oth of Con	pleted .W	/ell, (or a	ctual de	pth of exist	ling well): 258	55' TMD		Took	141
14) Approximate	water strat	a depths:	Fre	sh NA		Feet	Salt _	1800'	Feet	
15) Approximate	coal seam	depths:	NA							
16) Is coal being r	nined in th	ne area?	Yes _		. No					
17) Virgin reservo	ir pressur	e in targe	t formation	on 1250	psi	g Source	Estimated		ante.	(BHFP)
18) Estimated rese	ervoir frac	ture press	sure 265	50				70 11 1		
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State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API 47 - 087 - 04	782	County ROANE		Dis	trict S	MITHFI	ELD	
Quad LOONEYVILLE 7.5		Pad Name STARF	R, J.H.	Fie	ld/Pool	Name (CLOVER	?
Farm name FISHER, FRED	DDIE			W	ell Nun	nber 10	7	
Operator (as registered with t		H.G. ENERGY LLC						
Address 5260 DuPONT R	OAD	City PAR	KERSBURG	н.	State	WV	Z	ip <u>26101</u>
As Drilled location NAD 8		Attach an as-drilled orthing 4,285,053 M	plat, profile view	, and de Easting	viation 475,00	survey		
Landing Point of Cu Bottom H	rve N	orthing 4,285,239 M		Easting Easting		2 M		
Elevation (ft) 1,097'	_ GL	Type of Well	New ■ Existing		Туре	of Repor	t □Interi	m Final
Permit Type	□ Но	rizontal Horizonta	al 6A 🗆 Vertic	al	Dept	th Type	□ De	ep 🖹 Shal
Type of Operation □ Conve	rt 🗆 De	eepen 🗆 Drill 🗆 🛭	Plug Back □ R	edrillin	g E	Rework	∄ Stim	ulate
Well Type Brine Disposa	□СВМ	□ Gas □ Oil ■ Seco	ndary Recovery	□ Solut	ion Mi	ning 🗆 S	torage	Other
Type of Completion ■ Sing	le 🗆 Mult	iple Fluids Produc	ed 🗆 Brine 🖂	Gas .	NGL	∄ Oil	□ Othe	r
Drilled with Cable			y"					
		No. 1 -E - I West	. Tutumand	Sata bala		ir n Mr	d n Fre	sh Water 🗆 E
Drilling Media Surface hol			er intermedi	ate nois	UA	II CIVIL		Dr. Province San
Production hole		rresh water brine					Office	RECEIVED e of Oil and Ga
Mud Type(s) and Additive(s)			•			FE	B 1 4 2022
							Environ	Department of mental Project
Date permit issued10/	13/20	Date drilling comm	enced N//	4	Da	te drilling	g ceased _	
		11/12/20	Date completion					
Date completion activities be Verbal plugging (Y/N)	7	ate permission granted				d by		
verbar plugging (1714)		ato permission granted						
Please note: Operator is requ	iired to sul	omit a plugging applica	tion within 5 days	of verb	al pern	nission to	plug	
Produced doubles A		None	Open mine(s) (Y/	(N) dent	he		Non	ie
Freshwater depth(s) ft Salt water depth(s) ft		300'	Void(s) encounte				1	Vone
Coal depth(s) ft	No		Cavern(s) encount					None
Is coal being mined in area (N	Caronia) biloui	(.	.,.,,	- Prince		
is coar being mined in area (L(IN)					-	R	eviewed by:

JOZ

Page 2 of 4 WR-35 Rev. 8/23/13 Farm name FISHER, FREDDIE API 47-087 04782 Well number Did cement circulate (Y/N) Basket New or Grade Casing CASING Hole * Provide details below* wt/ft Depth(s) Used STRINGS Size Depth Size Existing LS Conductor Used 12 1/4" 11.5/8" 30 Existing 64 LS New Surface 7" 507 8 3/4" Coal Intermediate 1 Intermediate 2 Intermediate 3 Existing J-55 Production 4 1/2" 2488.8 New 6 1/4" Tubing Packer type and depth set Circulated Est. 50 sks to surface on 7" surface cement job. Circulated Est. 25 sks to surface on 4 1/2" cement job.*Existing Casing/Cement Program* Comment Details WOC Slurry Yield Volume Cement Number CEMENT. Class/Type (ft 1) ft 3/sks) Top (MD) (hrs) of Sacks wt (ppg) of Cement DATA Conductor Existing Surface Surface 130 15.6 1.18 153 Reg Neat Coal Intermediate 1 Intermediate 2 Intermediate 3 164/186 50' Existing Production 1.64/1.27 50:50 Pozmix 100/125 13.2/14.2 Tubing Loggers TD (ft) 2531 Drillers TD (ft) 2555 Plug back to (ft) N/A Deepest formation penetrated Big Injun Plug back procedure N/A Kick off depth (ft) 600' □ induction □ deviated/directional □ density a caliper Check all wireline logs run □ temperature Dsonic □ neutron □ resistivity □ gamma ray Were cuttings collected □ Yes ■ No Conventional Sidewall Well cored □ Yes ■ No DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING RECEIVED Office of Oil and Gas 20 Centralizers every 88 from bottom on 4 1/2", Centralizer placed mid string on 7" "Existing" WV Department of Environmental Protection DETAILS □ Yes ∄ No WAS WELL COMPLETED AS SHOT HOLE WAS WELL COMPLETED OPEN HOLE? □ Yes 🚪 No DETAILS TYPE OF TRACER(S) USED WERE TRACERS USED II Yes I No



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API 47- 087 _ 04782 Farm name_FISHER, FREDDIE Well number_107

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	7/14/15	2421.5'	2429.5'	32	Big Injun
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		-			
-					,
		y			
			10		
					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
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Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	7/16/15	5	1369	2036	858	2,500	150	
1	11/12/20	4.2	1587	1727	921	3,500	84	250 gals HCL
							-11	
							140	
							SCEIVED	
						Office	ECEIVED of Oil and Go	5
						FE	8 1 4 2022	
		я						
						Environ	pepartment o mental Protec	tion
		140_3						
			4					
							-	

Please insert additional pages as applicable.

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WR-35			•									Page 4	of <u>4</u>
Rev. 8/23/13													
API 47- 087	04782		Farm r	name_FISHE	R,	FREDDIE		Well n	umber_	107			
PRODUCING F	ORMATIC	ON(S)	ٳ	<u>DEPTHS</u>		٠							
Big Injun				2170'- 2184'		_TVD	14'- 2432'	MD	•				•
			•							•			
			_	•.									
			-										
Please insert ad	ditional pag	es as appl	icable.										
GAS TEST	□ Build up	□ Draw	/down	□ Open Flor	w	O :	L TEST D	Flow \square	Pump		•		
SHUT-IN PRES	SSURE S	Surface		_psi Bo	tto	m Hole	psi	DURAT	O NOI	f TES	r	hrs	
OPEN FLOW	Gas		Oil	NGI		· . v	/ater	GAS M	ŒASU.	RED E	Υ		
OPEN PLOW		mcfpd _		opd		bpd	bpd	□ Estin	nated	□ Ori	fice	□ Pilot	
•	•			•									
LITHOLOGY/ '	TOP		MOTT	TOP		воттом		DOOK #3//	NT 4 NID 1	n ECO E	OTTAN	רווא שידידי	
FORMATION	DEPTH IN		TH IN FT	DEPTH IN F	T	DEPTH IN FT	DESCRIBE TYPE OF FI						ፑ ፓርነ
	NAME TV		TVD	<u>MD</u>	\neg	MD 1653	TYPE OF FI	LUID (FRE	SHWAII	er, bru	VE, CIL,	OAD, 1120,	<u> </u>
Sand/Shale	0		1536	0 .	-	1688	· -			-,	• • • •		
Sand	1536		1584	1653	\dashv		 						
Shale	1584		1674	1688	\dashv	1738 1920							
Sand	1674		1812	1738	-				<u>·</u>				
Shale	1812		1820	1920	\dashv	1932							
Sand	1820		1967	1932	\dashv	2138							
Little Lime	1967		2004	2138	_	2188							
Pencil Cave	2004		2010	2188	-	2198	 						
Big Lime	2010		2138	2198	\dashv	2368	+					<u>.</u>	
Keener	2138		2170	2368	-	2414		rilled directi	ional N. 2	0 80 10/	a dietan		-
Big Injun	2170		2184	2414	\dashv	2432	. DI	illea aireca	IOI IAI IA 3	U.B VV	a distain	CE 01 700	
Shale	2184		2277	2432	\dashv	2555	 					·	
TD	2277			2555	ᆛ		<u> </u>			REC	EIVED		
			Cashia	l			<u>'</u>		Of	fice of	Oil and	Gas	-
Please insert ad			icadie.	٠		•			ļ	FEB !	4 20	2.2	
Drilling Contra	ctor Deute 6	76			<u> </u>	Vincent		'Ctoto			45784 Sartmer		
Address 11565				Ci	ty	VIICEIR		`State	Envi	MV연방 ironme	ntal Pro	otection	
Logging Comp	any Weathe	erford Inten	national			Moston		C4-4-	wv	7:-	26452		
Address 777 No				Ci	ty	Weston		State		Zıp			
Cementing Cor	npany Univ	ersal Servi	ces										
Address Hall Rd	<u> </u>			Ci	ty	Buckhannon		State	wv	Zip	26201		
Stimulating Co.		oducers Se	ervice Co	гр.				•	.		40704		
Address 109 So	uth Graham S	Street		Ci	ty	Zanesville		State	<u>он</u>	Zip	43701		<u>·</u>
Please insert ad			licable.			•						·	
Completed by	Roger Held	iman					Telephone	304-420	-1107			<u> </u>	
Signature	f- 6	Office		Title	O	perations Mana	ger		Date 1	2/1/20			

Submittal of Hydraulic Fracturing Chemical Disclosure Information

302

FORM WW-3 (A) 1/12



	or's Well	No.	JH Sta	arr 107		
3) API We		47	-	087	-	4782
24 2522		State		County		Permit
4) UIC Per	mit No.		; 700005			rei

STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS,

S) Surface Ou	vner(S) To Be Served 7) (a) Coal Operator	
(a) Name	1101(0)	ame NA	
Address	114 Colt Ridge Road A	ddress	
	Spencer, WV 25276	1 - 1	
(b) Name	7) (1) Coal Owner(S) With	Declaration Of Record
Address		ame NA	
	A	ddress	
(c) Name	N	ame	
Address		ddress	
Address		-	RECEIVED
6) Inspector	Joe Taylor 7) (c	c) Coal Lessee with Dec	claration Of Record
Address	Al-	ame NA	FFR 1 4 202
Address	Tipe diagnost them y	ddress	120 # 2 202
Telephone	304-380-7469		WV Department
	PERSONS NAMED ABOVE: You should		Environmental Prote
3) The Con	(surveyor's map) showing the well location on Fo struction and Reclamation Plan on Form WW-9 (erosion and sediment control and for reclamation	unless the well work is	s only to plug a well), which sets out the oad.
(3) The Con plan for The date	struction and Reclamation Plan on Form WW-9 (erosion and sediment control and for reclamation e proposed for the first injection or waste disp	funless the well work is for the site and access reposal is	oad 20 _ 22
(3) The Conplan for The date THE REASC	struction and Reclamation Plan on Form WW-9 (erosion and sediment control and for reclamation proposed for the first injection or waste disposed for the RECEIVED THESE DOCUMENT OF WHICH ARE SUMMARIZED IN THE "INSTATION [(FORM WW-3(B)] DESIGNATED TO	funless the well work is for the site and access record is ENTS IS THAT YOUTHURE TRUCTIONS" ON THE	U HAVE RIGHTS REGARDING THE REVERSE SIDE OF THE COPY O
(3) The Conplan for The date THE REASC APPLICATION AT Take notice the Notice and A West Virginia Application a and Reclamat	struction and Reclamation Plan on Form WW-9 (erosion and sediment control and for reclamation proposed for the first injection or waste disposed for the RECEIVED THESE DOCUMENT OF WHICH ARE SUMMARIZED IN THE "INSTATION [(FORM WW-3(B)] DESIGNATED TO	funless the well work is for the site and access reposal is ENTS IS THAT YOUTHURE ON THE YOU. HOWEVER YOU WELL WORK Permit with a respect to a well at sof this Notice, the Apied mail or delivered by	U HAVE RIGHTS REGARDING THE REVERSE SIDE OF THE COPY OF YOU ARE NOT REQUIRED TO TAKE the Chief of the Office of Oil and Gas, the location described on the attached oplication, the plat, and the Construction y hand to the person(s) named above (or
The Conplan for The date THE REASC APPLICATION AT Take notice the Notice and A West Virginia Application a and Reclamat	erosion and Reclamation Plan on Form WW-9 (erosion and sediment control and for reclamation are proposed for the first injection or waste display the proposed for the first injection or waste display the WOU HAVE RECEIVED THESE DOCUMENT ON WHICH ARE SUMMARIZED IN THE "INSTATION [(FORM WW-3(B)] DESIGNATED TO ALL." The proposed for the West Virginia Code polication and accompanying documents for a Waster Department of Environmental Protection, with a Department of Environmental Protection, with and depicted on the attached Form WW-6. Copies in Plan have been mailed by registered or certification.	funless the well work is for the site and access roosal is EENTS IS THAT YOUTHOUS ON THE YOU. HOWEVER THE WORK Permit with a respect to a well at sof this Notice, the Apied mail or delivered by the mailing or delivery	U HAVE RIGHTS REGARDING THE REVERSE SIDE OF THE COPY OF YOU ARE NOT REQUIRED TO TAKE the Chief of the Office of Oil and Gas, the location described on the attached opplication, the plat, and the Construction y hand to the person(s) named above (or to the Chief.
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The Conplan for The date THE REASC APPLICATIO THE APPLIC ACTION AT Take notice and A West Virginia Application a and Reclamate by publication The certify und am familiar wattachments a immediately in	erosion and Reclamation Plan on Form WW-9 (erosion and sediment control and for reclamation of proposed for the first injection or waste display the proposed for the first injection or waste display the proposed for the first injection or waste display the proposed for the first injection or waste display the proposed for the SUMMARIZED IN THE "INSTATION [(FORM WW-3(B)] DESIGNATED TO ALL. The part under Chapter 22-6 of the West Virginia Code pplication and accompanying documents for a Waster and depicted on the attached Form WW-6. Copies in a Department of Environmental Protection, with and depicted on the attached Form WW-6. Copies in certain circumstances) on or before the day of the person signing this document set penalty of law that I have personally examined with the information submitted in this document and that, based on my inquiry of those individuals responsible for obtaining the information, I believed.	funless the well work is for the site and access reposal is ENTS IS THAT YOUTRUCTIONS" ON THE YOU. HOWEVER IS the undersigned well well work Permit with a respect to a well at sof this Notice, the Apied mail or delivered by the mailing or delivery thall make the following and well Operators and Address that By:	U HAVE RIGHTS REGARDING THE REVERSE SIDE OF THE COPY OF YOU ARE NOT REQUIRED TO TAKE the Chief of the Office of Oil and Gas, the location described on the attached optication, the plat, and the Construction by hand to the person(s) named above (or to the Chief. HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 Diane White
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RECEIVED Office of Oil and Gas

FEB 1 4 2022

V/V Department of Environmental Protection



HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

January 6, 2022

Freddie Fisher et al. 114 Colt Ridge Road Spencer, WV 25276

RE:

J. H. Starr No. 107

Smithfield District, Roane County

West Virginia

Dear Landowner:

Enclosed are copies of various application papers that we have filed with the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas. A well work permit is being requested for the above-referenced well.

Pursuant to WV Code Chapter 22B, Article 6, you are receiving copies of this correspondence because the well or other anticipated disturbance is located on your surface property. Your rights as a landowner are detailed in the enclosed permit application papers.

No action on your part is required. If you have any questions or comments regarding this application, you may call this office at (304) 420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

RECEIVED Office of Oil and Gas

FEB 1 4 2022

WV Department of Environmental Profe.

	1-			Carlos Carlos Maria
County	Roane		rator rator well number	HG Energy, LLC JH Starr 107
	INSTRUCTION	S TO SURFACE OW	NERS NAMED ON P	AGE WW2-A / 3A
(<u>Note:</u> If the name appea you may be	well operator named on p surface tract is owned by ired on the Sheriff's tax to the only owner who will a sare valid for 24 months, er immediately if you know	page WW-2A / 3A is more than three pelicket on the land or kactually receive these If you do not own any who it is. Also, plead OLLARE NOT REQUA	applying for a permit rsons, then these mat because you actually on materials.) See Cha	from the State to do oil or gas well wor erials were served on you because you occupy the surface tract. In either cas opter 22 of the West Virginia Code. We e tract, please forward these materials rator and the Office of Oil and Gas.
or: 1 off	of Oil and Gas			
Department	of Oil and Gas of Environmental Protecti	on .		
301 57th St.	SE		*	
Charleston, (304) 926-04	150			als to be served on or before the date the
be filed in pobe sure of handling. If the planned Corwell operator from the approximate the control of the planned The Corwell operator from the approximate the control of the corwell operator of the corwell operator of the corwell	erson or received in the mather date. Check with you you have been contacted work described in these remments must be in writion's name and well number of chief has the power to do the proposed well work of the applicant has commone of the rules promulgiou want a copy of the copy from the Chief. The total water to establish water of the proposed well work promited the water to establish water of the proposed well work permit or a Well Work Permit or and therein.	nail by the Chief's officer postmaster to end by the well operator materials, then the peing. Your comments and the approximation of the condition a well constitute a hazar ment control plan is roublicly owned lands fails to protect fresh witted a substantial vigated under Chapter permit as it is issueratories. The Office quality prior to and after the instructions to a form WWZ-A / 3A	nsure adequate deliver and you have signed armit may be issued at a must include your nate location of the proper as sketches, maps or all work permit based of the safety of personate adequate or effective are sources; and has failed to a sed or a copy of the maintains a list of water drilling. Contact the MENT OF NO OBJECT and attachments constants.	psed well site including district and cour photographs to support your comments n comments on the following grounds: ons. ve; es; bearmit or a substantial violation of one bate or seek review of the violation", order denying the permit, you should be chief to obtain a copy.
as describe I fur a permit be	rther state that I have no o ing issued on those mater	rials.	ed work described in t	hese materials, and I have no objection
as describe I fur a permit be	rther state that I have no	rials.	ed work described in t	
as describe I fur a permit be	rther state that I have no o ing issued on those mater	rials.	ed work described in t FOR EX Company	hese materials, and I have no objection
as describe I fur a permit be	rther state that I have no o ing issued on those mater	rials. PERSON	ed work described in t FOR EX Company Name By	hese materials, and I have no objection CORPORATION, ETC.
as describe I fui a permit be FOR EXEC	rther state that I have no o ing issued on those mater UTION BY A NATURAL F	rials. PERSON	ed work described in t FOR EX Company Name	hese materials, and I have no objection ECUTION BY A CORPORATION, ETC. Date
as describe I fui a permit be	rther state that I have no o ing issued on those mater UTION BY A NATURAL F	rials. PERSON	ed work described in t FOR EX Company Name By	hese materials, and I have no objection CORPORATION, ETC.

WW-9 (2/15)

My commission expires 11/2/2026

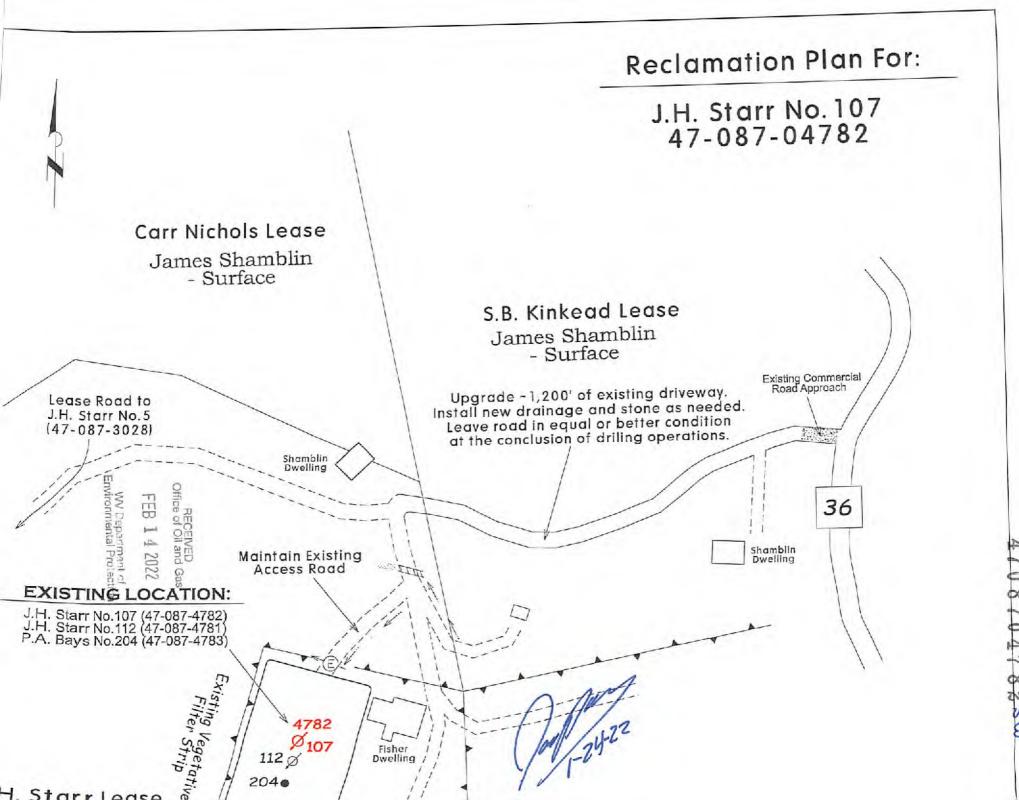
API Number	47 -	87	_ 04782	
			Il No. JH Starr 107	

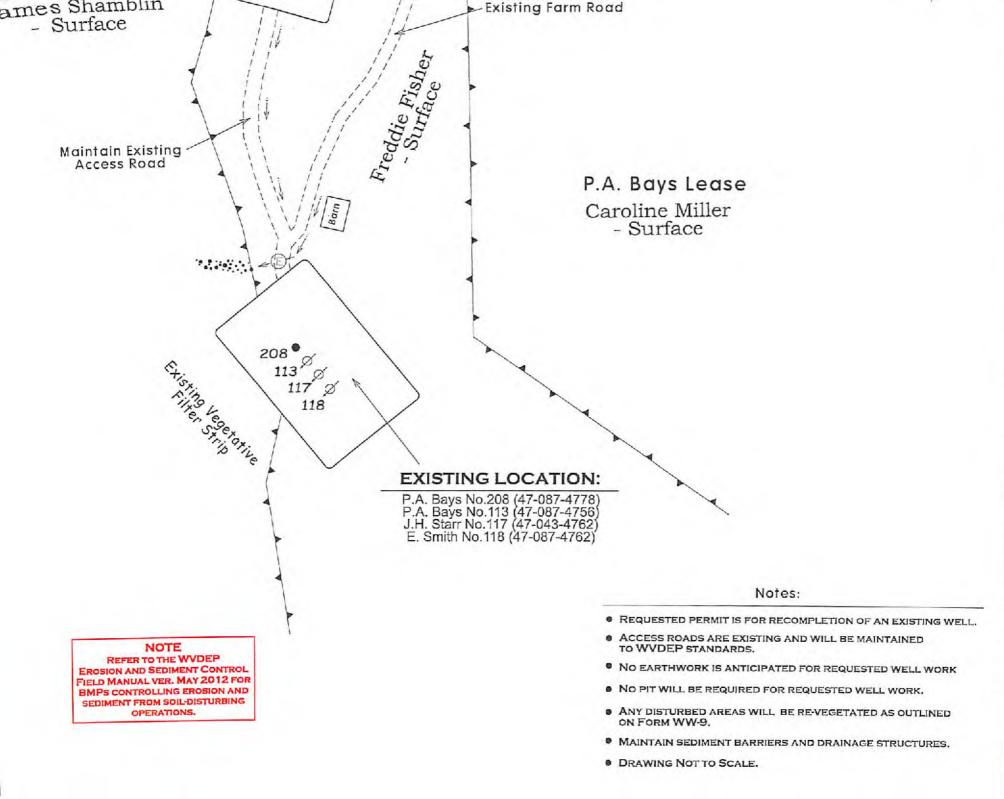
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

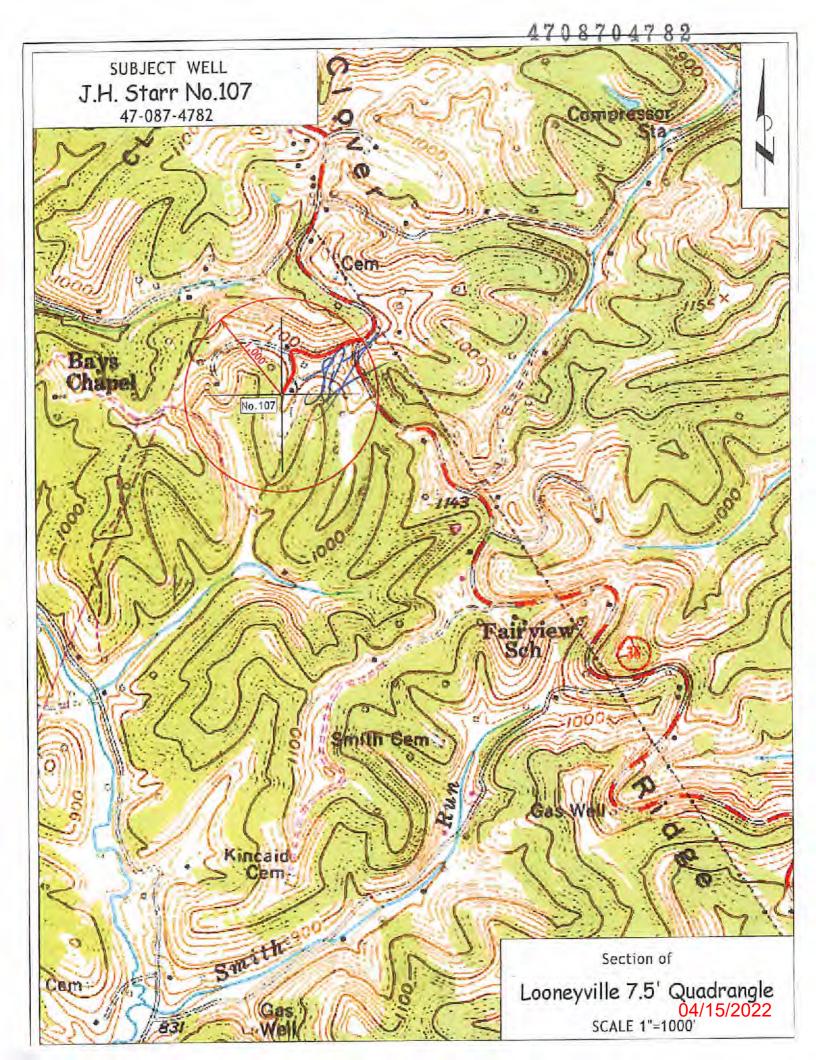
FLUIDS/CUTTINGS DISPOSAL & RECLAMATION PLAN

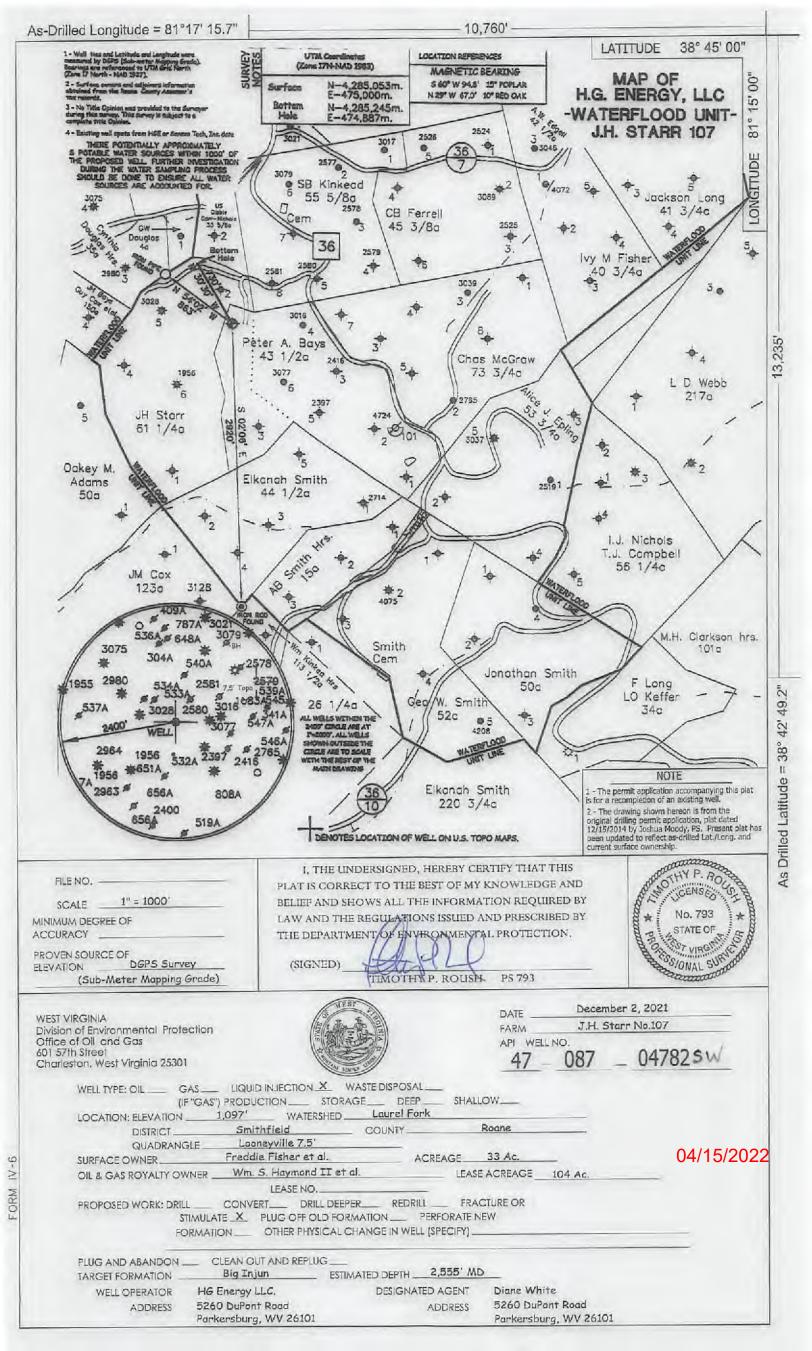
perator Name HG Energy, LLC	OP Code 494497948
Vatershed (HUC 10) Laurel Fork	Quadrangle Looneyville 7.5'
o you anticipate using more than 5,000 bbls of water to c	complete the proposed well work? Yes No
If so, please describe anticipated pit waste: NA	
Will a synthetic liner be used in the pit? Yes	No ✓ If so, what ml.?
Proposed Disposal Method For Treated Pit Waste	es:
Land Application Underground Injection (UIC P Reuse (at API Number Off Site Disposal (Supply form Other (Explain No waste anticin	
-	
Vill closed loop system be used? If so, describe: No	
rilling medium anticipated for this well (vertical and hor	rizontal)? Air, freshwater, oil based, etc. NA
-If oil based, what type? Synthetic, petroleum, et	tc. NA
dditives to be used in drilling medium? NA	
rill cuttings disposal method? Leave in pit, landfill, rem	loved offsite, etc. NA
-If left in pit and plan to solidify what medium w	
-Landfill or offsite name/permit number? NA	even and
ermittee shall provide written notice to the Office of Oil Vest Virginia solid waste facility. The notice shall be pro- where it was properly disposed.	and Gas of any load of drill cuttings or associated waste rejected at any vided within 24 hours of rejection and the permittee shall also disclose
I certify that I understand and agree to the terms	and conditions of the GENERAL WATER POLLUTION PERMIT issue
aw or regulation can lead to enforcement action. I certify under penalty of law that I have personal personal personal form and all attachments thereto and that.	ons of any term or condition of the general permit and/or other applicable on ally examined and am familiar with the information submitted on the based on my inquiry of those individuals immediately responsible for is true, accurate, and complete. I am aware that there are significant
rovisions of the permit are enforceable by law. Violation was regulation can lead to enforcement action. I certify under penalty of law that I have personal polication form and all attachments thereto and that, btaining the information, I believe that the information renalties for submitting false information, including the p	ons of any term or condition of the general permit and/or other applicable on ally examined and am familiar with the information submitted on the based on my inquiry of those individuals immediately responsible for is true, accurate, and complete. I am aware that there are significated assibility of fine or imprisonment.
provisions of the permit are enforceable by law. Violation was or regulation can lead to enforcement action. I certify under penalty of law that I have persupplication form and all attachments thereto and that, which information. I believe that the information.	ons of any term or condition of the general permit and/or other applicable on ally examined and am familiar with the information submitted on the based on my inquiry of those individuals immediately responsible for is true, accurate, and complete. I am aware that there are significated assibility of fine or imprisonment.
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roposed Revegetation Trea	tment: Acres Distu	urbed 0.1	Prevegetation p	H
		to correct to pH	6.5	
Fertilizer type 10	0-20-20	- 4		
Fertilizer amount		500 lbs	s/acre	
Mulch_Straw		2 Tons/a	cre ·	
		Seed	Mixtures	
T	emporary	Į.	Perm	nanent
Seed Type	· lbs/acre		Seed Type	1bs/acre
Tall Fescue	40		Tall Fescue	40
Ladino Clover	5		Ladino Clover	5
** Sediment Contro	ol Dlan will be	in effect at	all times **	
Attach: Drawing(s) of road, location provided)	n, pit and proposed	area for land ap	plication (unless engineered plans	including this info have been
Attach: Drawing(s) of road, location provided) Photocopied section of invo	n, pit and proposed	area for land ap		including this info have been
Attach: Drawing(s) of road, location provided) Photocopied section of invo Plan Approved by:	n, pit and proposed	area for land ap		including this info have been
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Attach: Drawing(s) of road, location provided) Photocopied section of invo Plan Approved by:	n, pit and proposed	area for land ap		including this info have been
Attach: Drawing(s) of road, location provided) Photocopied section of invo Plan Approved by:	n, pit and proposed	area for land ap		including this info have been
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HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

January 6, 2022

Mr. Jeff McLaughlin WVDEP Division of Oil & Gas 601 57th Street Charleston, West Virginia 25304

RE: J. H. Starr No. 107 (API 47-087-04782)

Smithfield District, Roane County

West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-3A, WW-3B, WW-9, mylar of plat, reclamation plan, topo map and copies of the certified mailing receipts for a permit to stimulate an injection well. Also enclosed is our check in the amount of \$550.00 to cover the associated permit fees.

Very truly yours,

Diane White

Diane C. White

RECEIVED Office of Oil and Gas

FEB 1 4 2022

WV Department of Environmental Protection

Enclosures

cc: Freddie Fisher et al. - Certified

Joe Taylor - Inspector



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

Re-Work Vertical Well Work Permit (API: 47-087-04762 & 04782)

1 message

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

Mon, Apr 11, 2022 at 1:30 PM

To: Diane White , Emily Westfall , "Taylor, Joseph D" <joseph.d.taylor@wv.gov">, Emily Westfall@wvassessor.com, "Taylor, Joseph D" <joseph.d.taylor@wv.gov

I have attached a copy of the newly issued well permit number. This will serve as your copy.

47-087-04762 - E. SMITH 118 47-087-04782 - J. H. STARR 107

If you have any questions, then please contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

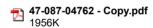
Charleston, WV 25304

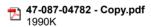
(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

4 attachments







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