

#### 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 117

47-087-04757-00-00

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 11

Farm Name: FISHER, FREDDIE ET AL

U.S. WELL NUMBER: 47-087-04757-00-00

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

#### **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.
- 8. 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) D	ate: 01/07/20	22					
	perator's Well		JH S	Starr 117			
3) A	PI Well No.:	47	-	Roane	-	04757	
		-	4	Onumber	_	Darmit	

4) UIC Permit No.

2R08700005AP

	STATE OF WEST VIRGINIA
	STATE OF WEST VINGINIES
NOTICE OF LIQUID INTECTION	OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
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FOR THE DEPARTMENT OF EI	NVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

	District:	Smithfie	d		Cou	unty Roane		Quadran	gle Looneyville 7.	
WELL OPERA						8) DESIGNAT	TED AGE	VT Diane Wh	nite	
		50 Dupont F					Address	5260 Dup	ont Road	
1100		rkersburg, V	W 26101					Parkersb	urg, WV 26101	
OIL & GAS IN	SPECTO			ED		10) DRILLING Name	G CONTR	ACTOR		
	laylick Road					Address				
	WV 25271					,	-			
1) PROPOSED V 2) GEOLOGIC 2	rarget :	FORMA	Other p	old form hysical o		/ Perfor vell (specify) _ Depth	2390'		) to 2421' F	vert /
3) Estimated De	pth of Con	ipleted V	vell, (or a	ctual de	pth of exist	Feet -	Salt	-	Feet	
1) Approximate	water strat	a nepins	NA PIE	311		Tout	Date		- FI	B 1 4 20
5) Approximate	coal seam	depins:			No					
b) Is coal being	mined in th	ne area?	Y CS	nn 1950	- psig	Source Source	Estimated		W	/ Departmen
		- in tower								
) Virgin reserve	oir pressur	e in targe	t Iormano	JII 1200	Port	5 Source	791000		Enviro	THE PARTIES
7) Virgin reserve	ervoir frac	ture pres	sure 265	50				Bottom h	Environ psignole pressure	(BIIIP)
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7) Virgin reserve 3) Estimated res 9) MAXIMUM 1) DETAILED I bactericides, and of	ervoir frac PROPOSE DENTIFIC Therchemicals	ture pres ED INJEC CATION as needed	Sure 266 CTION O. OF MAT to maintain v	50 PERAT FERIAL	IONS: V S TO BE I	Volume per hou NJECTED, INC	25 BBL	Bottom b	nole pressure	2400 psi
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7) Virgin reserve 8) Estimated res 9) MAXIMUM (1) 10) DETAILED I bactericides, and of 11) FILTERS (IF 12) SPECIFICAT 13) CASING AND	ervoir frac PROPOSE DENTIFIC ther chemicals ANY) C TONS FO.  TUBING F  Size  11 5/6" 7"	ture pres ED INJEC CATION as needed artridge filte R CATH PROGRAI SP Grade LS LS J-55	sure 288 CTION O. OF MAT to maintain v rs ODIC PR M ECIFICATI Weight per ft. NA 17	DERATION ON S New X	IONS: V S TO BE II by and improve TON AND Used	FOOTAGE IN For Drilling  30' 507'	TERVALS Left In Well 30' 507'	ONTROL  CEMENT FILL -UP OR SACKS (CU. FT.)  CTS	PACE  Kinds  Ten  Sizes  2 3/8  Depths set  22  Perforations	2400 psi Produced water CERS sion " x 4" 05' 2, 8
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Page 1 of 4

WR-35 Rev. 8/23/13

# State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API 47 - 087 - 04757	County ROANE	District SMITHFIE	ELD
Quad LOONEYVILLE 7.5'	Pad Name STARR, J.H.	Field/Pool Name	CLOVER
arm name_FISHER, FREDDIE ET A		Well Number 117	
operator (as registered with the OOG)	H.G. ENERGY LLC		
Address 5260 DuPONT ROAD	City PARKERSBURG	State WV	Zip 26101.
As Drilled location NAD 83/UTM	Attach an as-drilled plat, profile view orthing 4,284,844 M	w, and deviation survey Easting 474,986 M	Office of Oil and
90.00	orthing	Easting	FEB 1 4 20
	rthing 4,284,632 M	Easting 474,820 M	WV Departme
Elevation (ft) 1,064' GL	Type of Well □New ■ Existing	g Type of Report	Environmental FIG
Permit Type   Deviated   Hor	izontal   Horizontal 6A   Verti	cal Depth Type	□ Deep
Type of Operation   Convert   Dec	epen 🗆 Drill 🗆 Plug Back 🗖 l	Redrilling	■ Stimulate
Well Type Brine Disposal CBM	□ Gas □ Oil   Secondary Recovery	□ Solution Mining □ S	torage   Other
	ple Fluids'Produced Brine D	Gas DNGL BOIL	Li Other
Drilled with □ Cable □ Rotary			
Orilling Media Surface hole - Air		liate hole □ Air □ Mu	d □ Fresh Water □ Brine
Production hole	resh Water D Brine		
Mud Type(s) and Additive(s)  N/A	P.		
Date permit issued 9/16/20	Date drilling commenced N/	'A Date drilling	ceased N/A
Date completion activities began	10/1/20 Date completio	n activities ceased	10/1/20
	ate permission granted		
/erbai plugging (1/14) Do	nic permission granted		
Please note: Operator is required to sub	mit a plugging application within 5 day	s of verbal permission to	plug
Freshwater depth(s) ft	Ione Open mine(s) (Y	//N) depths	None
Freshwater depth(s) ft 17		ered (Y/N) depths	None
Coal depth(s) ftNor	, , , , , , , , , , , , , , , , , , , ,	ntered (Y/N) depths	None
		modern Asse of parents	
s coal being mined in area (Y/N)			Reviewed by:

04/15/2022

Page 2 of 4 WR-35 Rev. 8/23/13 Well number\_117 FISHER, FREDDIE ET AL API 47-087 04757 Farm name Did cement circulate (Y/N) Basket Grade New or Hole Casing CASING \* Provide details below\* Depth(s) wt/ft Used Size Depth STRINGS Size Existing Used LS 30 12 1/4" 11 5/8" Conductor 64 Existing LS 507 New Surface 8 3/4" 7" Coal Intermediate 1 Intermediate 2 Intermediate 3 Existing J-55 Production 2531 New 6 1/4" 4 1/2" J-55 2308 New Tubing 2 3/8" Packer type and depth set Circulated Est. 50 sks to surface on 7" surface cement job. Circulated Est. 50 sks to surface on 4 1/2" coment job. "Existing Cement/casing program" Comment Details WOC Volume Cement Yield Number Slurry CEMENT Class/Type (ft.2) Top (MD) (hrs) (ft 3/sks) of Sacks wt (ppg) of Cement DATA Conductor Existing 154 Surface 15.6 1.18 Surface 130 Reg Neat Coal Intermediate 1 Intermediate 2 Intermediate 3 RECEIVED 46' Production 13.2/14.2 1.64/1.27 164/186 100/125 50:50 Pozmix Office of Oil and Ga Tubing FFB 1 4 2022 Loggers TD (ft) 2554 Drillers TD (ft) 2600' Deepest formation penetrated Big Injun Plug back to (ft) N/A WV Department of Environmental Protection Plug back procedure N/A Kick off depth (ft) 600' □ density □ deviated/directional □ induction Check all wireline logs run □ caliper □sonic □ neutron □ resistivity □ gamma ray □ temperature Were cuttings collected □ Yes ■ No Sidewall Well cored □ Yes A No Conventional DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING 20 Centralizers every 88 from bottom on 4 1/2\*, Centralizer placed mid string on 7\* "Existing" DETAILS WAS WELL COMPLETED AS SHOT HOLE □ Yes ■ No □ Yes 💆 No **DETAILS** WAS WELL COMPLETED OPEN HOLE? TYPE OF TRACER(S) USED WERE TRACERS USED - Yes No

04/15/2022

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API 47- 087 \_ 04757 Farm name FISHER, FREDDIE ET AL Well number 117

### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	8/31/15	2403'	2410'	28	Big Injun
-	CIO II I I				
		-			
			*		
		-			
	-				
			-		
+					+
					*
				4	
	9-				
					RECEIVED Office of Oil and Gas

Please insert additional pages as applicable.

FEB 1 4 2022

STIMULATION INFORMATION PER STAGE

WV Department of Environmental Protection

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	9/3/15	5	637	977	442	2,500	150	
1	10/1/20	1.5	1143	1346	1159		10	2500 gals HCL
-		,						
							1.5	
						-		
							4	
			The state of the s					Tr.
	140							

Please insert additional pages as applicable.

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WR-35								• •	Page <u>4</u>	_of_ <u>4</u> _
Rev. 8/23/13				·	•		•	47		
API 47- 087	_ 04757	Farm n	ame FISHER,	FREDDIE	EETAL	_Well n	umber_	17		
PRODUCING F	ORMATION	<u>(S)</u> <u>I</u>	<u>DEPTHS</u>							
	•		2112'- 2132'	TVD 2	390'- 2421'	MD				
Big Injun				_ 1 \ _						
						_	· •			
<del>:</del>	<del></del>	<del></del>				_				
Please insert ad	ditional pages	as applicable.								
•		□ Drawdown	☐ Open Flow	C	DIL TEST of	low 🗆	Pump	•		•
SHUT-IN PRE	SSURE Su	rface	_psi Botto	m Hole	psi	DURAT	ION OI	TEST	hrs	•
OPEN FLOW	Gas m	Oil cfpd t	NGL opd	bpd	Water bpd	GAS M	EASUI	ED BY	ı Pilot	
					•					
LITHOLOGY/	TOP	воттом	TOP	BOTTOM						
FORMATION	DEPTH IN FI	DEPTH IN FT	DEPTH IN FT	DEPTH IN F				ECORD QUAN		ETC)
	NAME TVD		<u>MD</u>	MD	TYPE OF FL	UID (FRE	SHWATE	R, BRINE, OIL,	JAS, H <sub>2</sub> S,	BIC)
Sand/Shale	0	1570	0	1618		<del></del>			<del></del>	
Sand	1570	1589	1618	1640						-
Shale	1589	1618	1640	1674						
Sand	1618	1820	1674	1949				<u> </u>		
Shale	1820	1837	1949	1974						
Sand	1837	1912	1974	2096						
Little Lime	1912	1950	2096	2154						
Pencil Cave	. 1950	1960	2154	2168	<del></del>					
Big Lime	1960	2086	2168	2350	<del></del>					
Keener	2086	2112	2350	2390				8° W a distance		
Big Injun	2112	2132	2390	2421	Ur Dr	nilea airea	tional 5 3	9 W a distance	01 022	
Shale	2132	2257	2421	2600				•		<del></del>
TD	2257 .		2600						<u></u> -	
Please insert ad	lditional page	l. s as applicable.								
Drilling Contra	otor Decker D	Drilling			•					
Address 11565	State Route 676	3	City	Vincent	·	_ State	OH	_ Zip <u>45784</u>		
		ord International						•		
Address 777 No	orth River Avenu	0.0	City	Weston	<u> </u>	State	wv	_ Zip <u>26452</u>		
Cementing Con	mnany Univer	sal Services								
Address 14 Sev	wer Plant Rd	<u> </u>	City	Buckhannor	1	_ State	wv	_ Zip <u>_26201</u>		
Stimulating Co		lucers Service Co	rp.	· 				40-0:		
Address 109 Sc	outh Graham Str	reet	City	Zanesville	· .	State	<u>OH</u>	Zip <u>43701</u>	<del>- R</del> F	محمد فالتحملا
Please insert ac	dditional page	s as applicable.				•			Office o	Ì Óil 👑
Completed by	, Roger Heldn	nan .		·	Telephone	304-420	-1107	• .	FEB	1 4 2022
Signature	Thu II	Polya-	Title O	perations Mar	nager		Date 1	/2/20	730/5	
	1		_					E	nvironme	partment of ental Protec
Submittal of H	ydraulic Frac	turing Chemical	Disclosure Info	rmation	Attach copy of	f FRACI	OCUS	Registry		

FORM WW-3 (A) 1/12



1) Date:	January 7	, 2022					
2) Operator	r's Well	No.	JHS	tarr 117	T		
3) API We	II No.:	47	-	087	-	4757	
		State		Count	у	Permit	
4) UIC Perr	nit No.	2R087	00005/	P			

# 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,

	markey and a second	7) (a) Coal O Name			4.
(a) Name		Address	NA		
Address	114 Colt Ridge Road	Municos			•
district	Spencer, WV 25276	7) (b) Coal O	wner(S) With D	eclaration Of Recor	d
(b) Name Address		Name	NA NA	************	
Address		Address			
(c) Name		Name	-	•	
Address		Address			RECEIVED Office of Oil and Gas
6) Inspector	Joe Taylor	7) (c) Coal L	essee with Decla	ration Of Record	FEB 1 4 2022
Address	1478 Claylick Road	Name	NA		
Telephone	Ripley, WV 25271 304-380-7469	Address			WV Department of Environmental Protection
TO THE	PERSONS NAMED ABOVE: You sho	uld have re	ceived this for	m and the follow	ving documents
(1) The App	plication For A Liquid Injection or Waste Di avolved in the drilling or other work;	sposal Well	Work Permit or	Form WW-3(B),	which sets out the
(2) The slat	(comparer's man) showing the well location of	n Form WW	6; and		7 - F-10 - 10 - 10 - 10 - 10 - 10 - 10 -
(3) The Con	struction and Reclamation Plan on Form WW	-9 (unless th	e well work is c	nly to plug a well),	which sets out the
plan for	erosion and sediment control and for reclamati	ion for the si	e and access roa	d.	
	e proposed for the first injection or waste	er and a management	1		20 22 .
A DOT TO A TIC	ON YOU HAVE RECEIVED THESE DOC ON WHICH ARE SUMMARIZED IN THE " CATION [(FORM WW-3(B)] DESIGNATED ALL.	INSTRUCT	ONS" ON THE	KEAFKOF PINE	OF THE COLT OF
Notice and A West Virginia Application a	nat under Chapter 22-6 of the West Virginia C pplication and accompanying documents for a Department of Environmental Protection, and depicted on the attached Form WW-6. Cotion Plan have been mailed by registered or cention certain circumstances) on or before the day	a Well Wor with respect opies of this ertified mail	to a well at the Notice, the App or delivered by	he location describe lication, the plat, ar hand to the person(	ed on the attached
-	The person signing this docume	nt shall mal	te the following	g certification:	
4m	to C1 A of Element and all inventor	ned and	Well Operator	HG Energy, LLC	
"I certify und		med and	5260 Dupont Road		
attachments a	er penalty of law that I have personally examinate the information submitted in this documen	t and all	Address		0
immediately 1	with the information submitted in this documen	it and all	Address		··
	vith the information submitted in this documen and that, based on my inquiry of those individu responsible for obtaining the information, I bel	t and all als als lieve that	Address By:	5260 Dupont Road	··
the information	with the information submitted in this documen	t and all als als lieve that there		5260 Dupont Road Parkersburg, WV 2610	



January 7, 2022

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

RE: J. H. Starr No. 117

Smithfield District, Roane County

West Virginia

RECEIVED Office of Oil and Gas

FFB 1 4 2022

Dear Landowner:

WV Department of Environmental Protection

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



Office of Oil and Cos FEB 1 4 2022

WV Department of Environmental Protection

### WW-2A / 3A Surface Waiver

•	•	SURFACE OWN	ER WAIVER			•
County	Roane	_ Operato	r or well numl		IG Energy, LL IH Starr 117	<u> </u>
	INSTRUCTIONS TO	O SURFACE OWNER	RS NAMED C	N PAGE W	<u>W2-A / 3A</u>	
(Note: If the suname appeare you may be the work permits at the true owner.)	ell operator named on page urface tract is owned by mo d on the Sheriff's tax ticket e only owner who will actua re valid for 24 months. If yo immediately if you know wh NOTE: YOU WHERE TO FILE C	WW-2A / 3A is appore than three person on the land or becauly receive these many into	lying for a pe s, then these use you actu- terials.) See erest in the si notify the well D TO FILE A	rmit from the materials w ally occupy Chapter 22 urface tract, operator an	e State to do oil of the served on you the surface tract of the West Virg please forward the d the Office of Oil	In either case, inia Code. Well nese materials to
Department of 601 57 <sup>th</sup> St. St Charleston, W	Environmental Protection				. •	WV Department of Environmental Protection
(304) 926-045  Time Limits a operator files is be filed in personal persona	nd methods for filing complis Application. You have Food or received in the mail to the date. Check with your pour have been contacted by ork described in these materies must be in writing. It is name and well number and action. You may add other other has the power to deny one proposed well work will come soil erosion and sediment amage would occur to publicate applicant has committed one of the rules promulgated want a copy of the permonent of the chief.  If Water Testing Laborator at the contact of the contact of the rules promulgated that I have read the contact of	by the Chief's office by the Chief's office by the well operator and rials, then the permit Your comments must define approximate local documents, such as so or condition a well wo constitute a hazard to a to control plan is not accept owned lands or reto protect fresh water a substantial violation and after Chapter 22, and as it is issued on the control plan is not accept a substantial violation and after driving prior to and after driving prior to and after driving prior to and after driving the control of the planned wetter to the planned wetter the control of the control of the planned wetter the control of the cont	y the time state adequate of you have signay be issue at include you action of the paketches, map rk permit bas the safety of paketches or signatures; sources or signatures a copy of a c	date to file yated above. delivery time ined a "volured at any time in a mane, addroposed we os or photogradied on common persons. fective; applies; bus permit of to abate or a the order of water testing the Chief to BJECTION and that I have consisting of all for proportions.	You may call the or to arrange shary statement on e. dress and telephill site including draphs to support tents on the following the period obtain a copy.  The received copie of pages 1 throug open work or the pages 1 througons of the pages 1 througons open work or the pages 1 througons open work or the pages 1 througons of througons of the pages 1 througons of througons of the pages 1 thro	e Chief's office to pecial expedited for no objection" to one number, the istrict and county your comments. wing grounds:  folation of one or e violation".  mit, you should hich you can hire  s of a Notice and h including a my surface land
FOR EXECU	TION BY A NATURAL PERS	SON	FOR	EXECUTION	N BY A CORPO	RATION, ETC.
		Date	Company Name	· .		
	Signature	-	By _			Date
4757	<u> </u>	·	-			<u></u>
F	rint Name			Signature		Date

D-

04/15/2022

WW-9 (2/15)

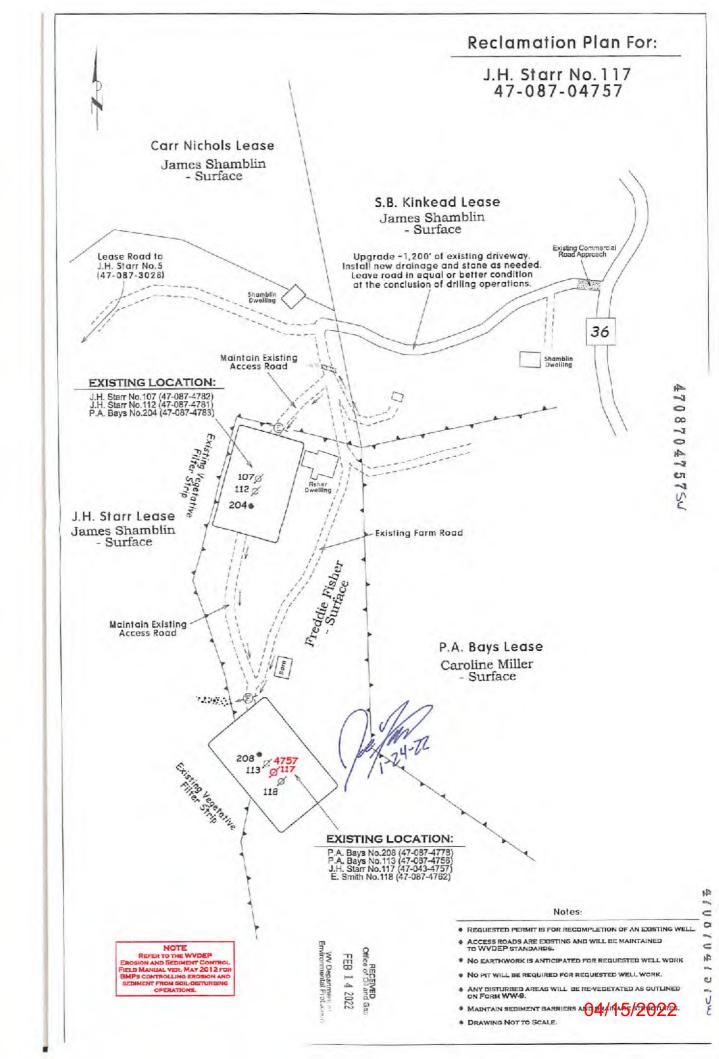
API Number 47 -	87	_ 04757	и
		JH Starr 117	

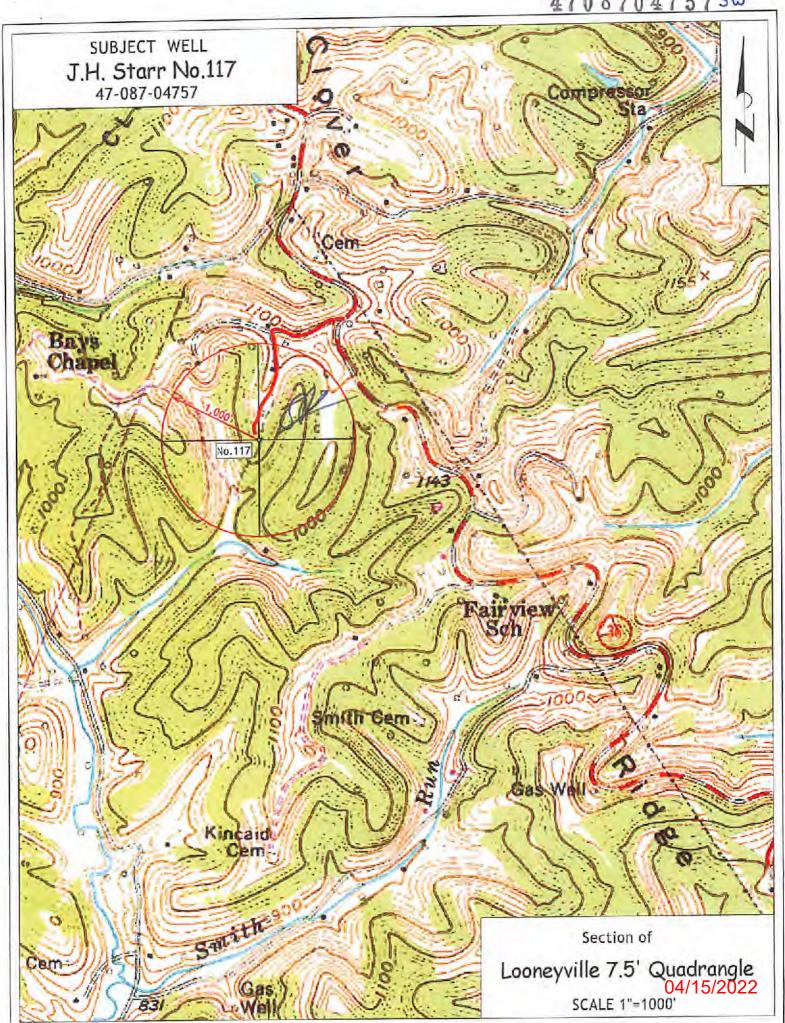
# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

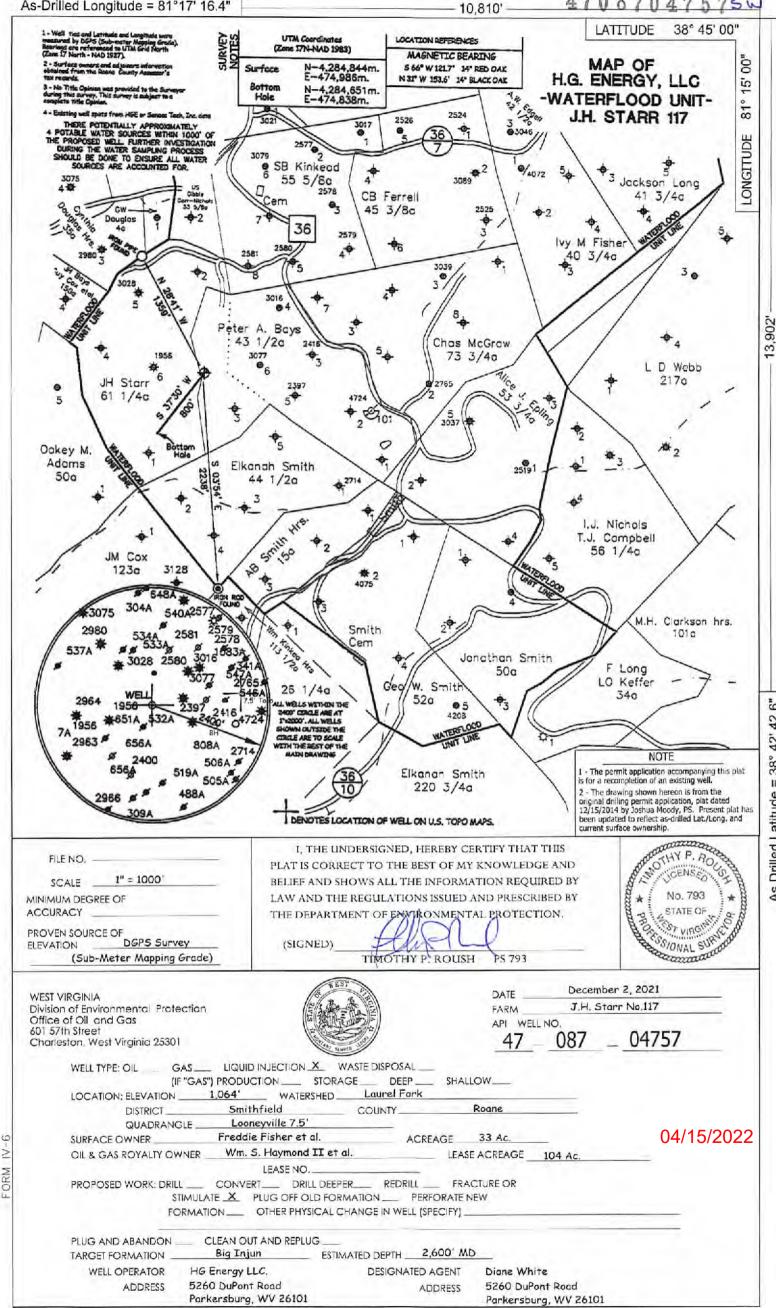
	FLUIDS/ CUTTINGS DISP	OSAL & RECLAMATION PLAN	
Operator Name HG Energy	v. LLC	OP Code 4944979	948
Watershed (HUC 10) Laurel F	ork	Quadrangle Looneyville 7.5'	
Do you anticipate using more t	han 5,000 bbls of water to comp	lete the proposed well work? Yes	No 🗸
Will a pit be used? Yes	No 🗸	2	
	anticipated pit waste: NA		
	be used in the pit? Yes	No / If so, what ml.?	
Proposed Disposal Mo	ethod For Treated Pit Wastes:		
Lan	d Application		)
	lerground Injection (UIC Permi	t Number	)
5.00	se (at API Number_ Site Disposal (Supply form WV	V-9 for disposal location)	
Oth	er (Explain No waste anticipated	, should there be any fluids they'll be haule	d for disposal .
Will closed loop system be use	ed? If so, describe: No		
Drilling medium anticipated for	or this well (vertical and horizon	tal)? Air, freshwater, oil based, etc. N	Α
-If oil based, what typ	e? Synthetic, petroleum, etc. N	A	
Additives to be used in drilling	g medium? NA .	*	Diffice of Oil and Gas
Drill cuttings disposal method	? Leave in pit, landfill, removed	offsite, etc. NA	FEB 1 4 2022
		e used? (cement, lime, sawdust) NA	
-Landfill or offsite na	me/permit number? NA		WV Department of Environmental Protection
Permittee shall provide writter West Virginia solid waste faci where it was properly disposed	lity. The notice shall be provided	Gas of any load of drill cuttings or asso I within 24 hours of rejection and the p	ciated waste rejected at any ermittee shall also disclose
on August 1, 2005, by the Off provisions of the permit are elaw or regulation can lead to e I certify under penal application form and all attachtaining the information. I	ice of Oil and Gas of the West V inforceable by law. Violations of inforcement action. Ity of law that I have personall achments thereto and that, basis believe that the information is information, including the possib	conditions of the GENERAL WATER firginia Department of Environmental For any term or condition of the general y examined and am familiar with the ed on my inquiry of those individuatrue, accurate, and complete. I am a pility of fine or imprisonment.	I permit and/or other applicable information submitted on this is immediately responsible for
Company Official Signature_		- 1	7°
Company Official (Typed Na	me) Diane White		ent
Company Official Title Age	ent		1
Subscribed and sworn before			
My commission expires 7	31/2022	Notary Pub	OFFICIAL SEAL STATE OF WEST VIRGIS NOTARY PUBLIC CA \$44/1.562022 5301 13th Ave Vienna, Will My Commission Expires July

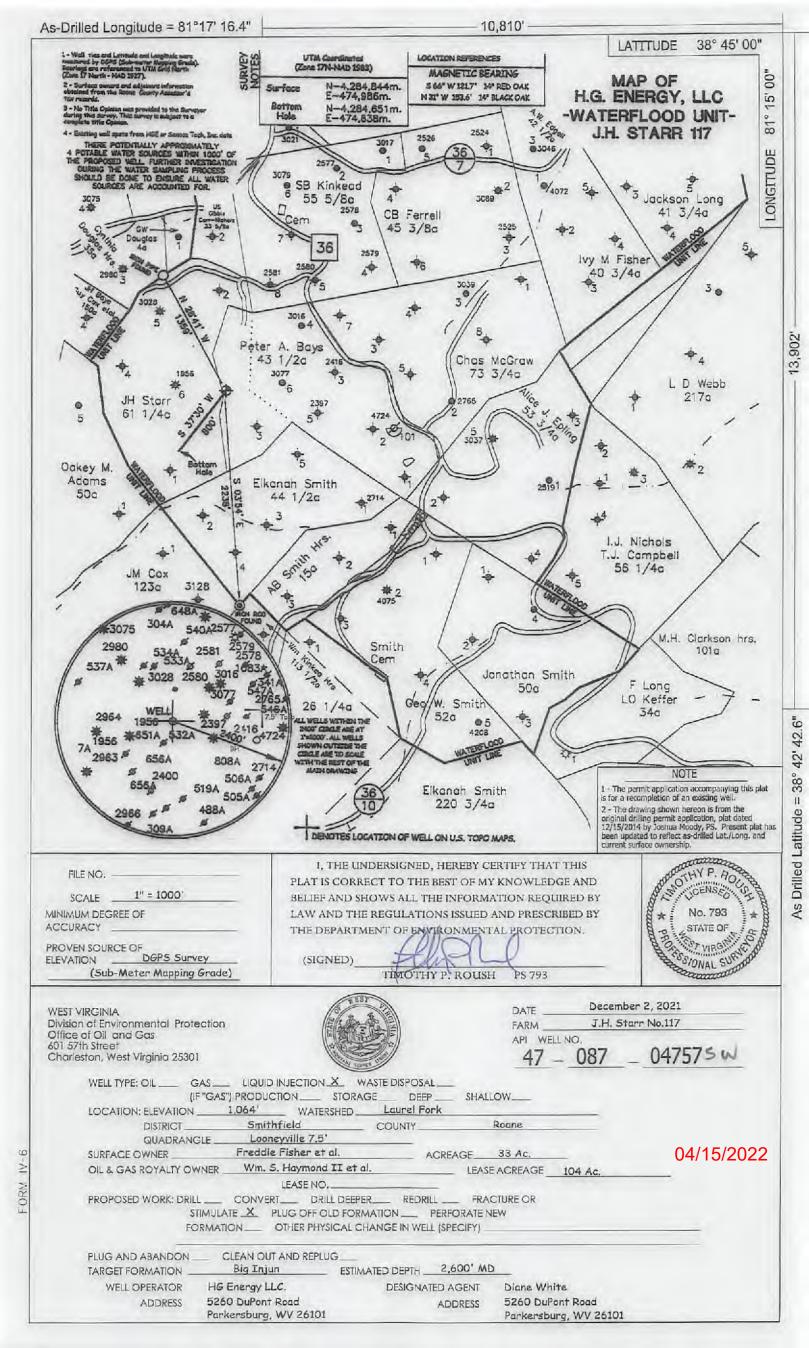
Operator's Well No. JH Starr 117

roposed Revegetation Treatm	ment: Acres Distu	rbed 0.1	Prevegetation pl	I	
Lime 3	Tons/acré or	to correct to pH 6.5	-	2	
Fertilizer type10-	-20-20		4.3		
Fertilizer amount_		500 Ibs/acre			
Mulch_Straw	1 1	2 Tons/acre	- 4	· *-	
*			4	ž.	
1		Seed Mixtures	*		1
Те	mporary		Perm	nent	
Seed Type	lbs/acre		Seed Type	lbs/acre	
Tall Fescue	40	Tall F	escue	40	
Ladino Clover	5	Ladin	o Clover	5	
Attach: Drawing(s) of road, location, provided)	, pit and proposed	in effect at all times			
	, pit and proposed ved 7.5' topograpl	area for land application (unl		Office of Oil	VED and G
Attach: Drawing(s) of road, location, provided) Photocopied section of invol	, pit and proposed ved 7.5' topograpl	area for land application (unl		RECEIV	VED and G
Attach: Drawing(s) of road, location, provided) Photocopied section of invol Plan Approved by:	, pit and proposed ved 7.5' topograpl	area for land application (unl		Office of Oil	VED and G
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Attach: Drawing(s) of road, location, provided) Photocopied section of invol	, pit and proposed ved 7.5' topograpl	area for land application (unl		Office of Oil	VED and G











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

RECEIVED

FEB 1 4 2022

WV Department of Environmental Protection

January 7, 2022

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

RECEIVED Office of Oil and Gas

FEB 1 4 2022

WV Department of Environmental Protection

RE:

J. H. Starr No. 117 (API 47-087-04757) 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.

Should you have any questions or need further information please call me at 304-420-1119.

Very truly yours,

Diane White

Diane C. White

Enclosures

cc:

Freddie Fisher et al. - Certified

Joe Taylor - Inspector