

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Wednesday, September 16, 2020 WELL WORK PERMIT Vertical / Re-Work

HG ENERGY, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Permit approval for J. H. STARR 112 Re: 47-087-04781-00-00

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.

> James A. Martin Chief

Operator's Well Number: J. H. STARR 112

Farm Name: FISHER, FREDDIE

U.S. WELL NUMBER: 47-087-04781-00-00

Vertical Re-Work Date Issued: 9/16/2020

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.
- 2. 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)	Date:	08/06/202	20				
2)	Operator's Well No.				. Starr 112		
3)	API Wel	1No.:	47	-	Roane	-	04781
			State	-	County	_	Permit

4) UIC Permit No.

2R08700005AP

	STATE OF WEST VIRGINIA	
NOTICE OF LIQUID INJECTION	OR WASTE DISPOSAL WELI	L WORK PERMIT APPLICATION
FOR THE DEPARTMENT OF E	NVIRONMENTAL PROTECT	ION, OFFICE OF OIL AND GAS

	District	Smithfie	id		Co	atershed: La ounty Roane		Quadrar	igle Looneyville	7.5
7) WELL OPERA		_		-	CO	8) DESIGNA	ATED AGE			71.0
		60 Dupont				0) DESIGN	Addre		pont Road	
nu		rkersburg,					ridiro	-	ourg, WV 26101	
9) OIL & GAS IN				ED		10) DRILLII	NG CONTE	The second second	odig, WV LOTOT	
Name Joe Ta		K TO DE	MOINT	DD.		Name	NG COIVII	arcroic		
A TOTAL TOTA	laylick Road					Address				
the second to th	WV 25271					11001000			-	
12) GEOLOGIC 13) Estimated De 14) Approximate 15) Approximate	TARGET : pth of Con water strat coal seam	FORMA upleted V a depths depths:	TION Big Vell, (or a Fre	old form hysical	change in v	/ Perfo well (specify) Depth	orate new fo	Feet (top	Co	rulate / onvert Feet (bottom)
7) Virgin reserve 8) Estimated res 9) MAXIMUM	oir pressur ervoir frac PROPOSE DENTIFIC	e in targe ture pres D INJEC CATION	t formation sure 265 CTION O. OF MAT	50 PERATI FERIAL	S TO BE I	Volume per ho NJECTED, IN	Estimated 1r 25 BBL CLUDING	Bottom l ADDITIVE	iole pressure	sig (BHFP) 2400 psi Produced water,
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Reviewed by:

Page 1 of 4

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

API 47 087 047	81 County ROANE	3	District SMITHF	IELD	
Quad LOONEYVILLE 7.5'	Pad Name STAF		Field/Pool Name		
Farm name FISHER, FREDI			Well Number 11		
Operator (as registered with the	OOG) H.G. ENERGY LL	C			
Address 5260 DuPONT RC	OAD City PA	RKERSBURG	State WV	Zip	26101
As Drilled location NAD 83, Top hole Landing Point of Curv	Northing 4,285,049 M		d deviation survey ting 474,998 M		
Bottom Hol	the first on the second of the contract of the second of t		ting 474,794 M		
Elevation (ft) 1,097'	GL Type of Well	■New □ Existing	Type of Repor	rt □Interim	■ Final
Permit Type 📱 Deviated	□ Horizontal □ Horizon	ntal 6A □ Vertical	Depth Type	□ Dеер	■ Shallow
Type of Operation □ Convert	□ Deepen	ı Plug Back □ Redri	lling Rework	□ Stimula	ite
Well Type ☐ Brine Disposal	□ CBM □ Gas □ Oil ■ Sec	condary Recovery S	olution Mining	Storage 🗆 O	ther
Type of Completion ■ Single Drilled with □ Cable ■ Ro Drilling Media Surface hole Production hole ■ Air □ M Mud Type(s) and Additive(s) N/A	tary ■ Air □ Mud ■Fresh Wa		□NGL ■Oil		
Date permit issued 6/5/	15 Date drilling com	menced 7/2/15	Date drilling	g ceased	7/8/15
Date completion activities bega	7/4//45	Date completion act		7/16/15	
Verbal plugging (Y/N)N	Date permission grante		Granted by		
Please note: Operator is requir	7	ation within 5 days of v	erbal permission to		RECEIVED Office of Oil and Gas
Freshwater depth(s) ft	None	Open mine(s) (Y/N)	lepths	None	AUG 2 0 2020
Salt water depth(s) ft	1830'	Void(s) encountered	(Y/N) depths	Non	ie -
Coal depth(s) ft	None	Cavern(s) encountere	d (Y/N) depths	No	ne WV Department of Environmental Protection
Is coal being mined in area (Y/	N) N				

WR-35 Page 2 of 4 Rev. 8/23/13 Farm name_FISHER, FREDDIE API 47-087 04781 Well number 112 **CASING** Hole Casing New or Grade Racket Did cement circulate (Y/N) **STRINGS** Size Size Depth Used wt/ft * Provide details below* Depth(s) Conductor 12 1/4" 11 5/8" 30' Used LS Sand In Surface 8 3/4" 507 New LS 64" Y Coal Intermediate I Intermediate 2 Intermediate 3 Production 6 1/4" 4 1/2" 2488.9" New J-55 Y Tubing Packer type and depth set Comment Details Circulated Est. 50 sks to surface on 7" surface carrient job, Circulated Est. 8 sks to surface on 4 1/2" coment job. CEMENT Class/Type Number Slurry Yield Volume WOC Cement (ft 3/sks) (Ω^2) DATA of Cement of Sacks Top (MD) (hrs) wt (ppg) Conductor Surface 130 Surface **Reg Neat** 15.6 1.18 153 8 Coal Intermediate 1 Intermediate 2 Intermediate 3 Production 110 158/186 8 13.2/14.2 1.64/1.27 50:50 Pozmix 95/125 Tubing Drillers TD (ft) 2542 Loggers TD (ft) 2522 Deepest formation penetrated Big Injun Plug back to (ft) NA Plug back procedure NA Kick off depth (ft) 600 Check all wireline logs run @ caliper ■ density deviated/directional **a** induction **≜** temperature **D**sonic **A** neutron a resistivity A gamma ray Were cuttings collected ■ Yes □ No Well cored □ Yes ■ No Conventional Sidewall DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING 20 Centralizors every 86 from bottom on 4 1/2°, Centralizor plocad mid string on 7° Office of Oil and Gas

Office of Oil and Gas

Auf. 2 1 2015

WV Department of
Environmental Protection WAS WELL COMPLETED AS SHOT HOLE □ Yes ∄ No DETAILS DETAILS WAS WELL COMPLETED OPEN HOLE? D Yes D No TYPE OF TRACER(S) USED __ WERE TRACERS USED Yes A No

WR-35 Rev. 8/23/13 Page 3 of 4

API 47- 087 _ 04781

Farm name_FISHER, FREDDIE

_Well number_112

PERFORATION RECORD

Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
7/14/15	2369'	2377'	32	Big Injun
<u>:</u>				
				-
		Perforation date MD ft.	Perforation date MD ft MD ft MD ft	Perforation date MD ft. MD ft. Perforations

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 (ibs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	7/16/15	5	453	830	312	2,500	148	
		:						
		!						-
								WED
							BECE	i and Gas
							was of	INED Gas
		ı					Duice	5012
							<u> </u>	20 2015

Please insert additional pages as applicable.

WV Department of Environmental Protection

Page 4 of 4 WR-35 Rev. 8/23/13 Farm name FISHER, FREDDIE API 47- 087 _ 04781 _Well number 112 PRODUCING FORMATION(S) **DEPTHS** Big Injun 2156'- 2174' 2358'- 2380' TVD MD Please insert additional pages as applicable. **GAS TEST** □ Build up □ Drawdown □ Open Flow OIL TEST □ Flow □ Pump SHUT-IN PRESSURE Surface psi Bottom Hole psi DURATION OF TEST hrs Oil **OPEN FLOW** Gas NGL Water GAS MEASURED BY □ Estimated □ Orifice _ bpd bpd □ Pilot mcfpd bpd LITHOLOGY/ TOP BOTTOM TOP **BOTTOM FORMATION** DEPTH IN FT DEPTH IN FT DESCRIBE ROCK TYPE AND RECORD QUANTITY AND DEPTH IN FT DEPTH IN FT NAME TVD TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC) TVD MD MD 1726 Sand/Shale 1668 0 0 1668 1726 1752 Sand 1688 1688 1697 1752 1762 Shale Sand 1697 1806 1762 1902 Shale 1806 1820 1902 1922 Sand 1820 1956 1922 2100 1956 2100 2146 Little Lime 1992 Pencil Cave 1992 2002 2146 2158 2318 Big Lime 2002 2124 2158 2318 2358 2124 2156 Keener Big Injun 2156 2174 2358 2380 Drilled directional S 60.3° W a distance of 729' 2174 2302 2542 Shale 2380 TD 2302 2542 Please insert additional pages as applicable. Drilling Contractor Decker Drilling Address 11565 State Route 676 Zip 45784 OH Vincent City State Logging Company Weatherford International Zip 26452 wv Address 777 North River Avenue Weston City State Cementing Company Universal Services Zip 26201 WV Address Hall Rd Buckhannon City State **RECEIVED** Stimulating Company Producers Service Corp. Office of Oil and Gas Zip 43701 State OH Zanesville Address 109 South Graham Street City AUG 2 0 2020 Please insert additional pages as applicable. WV Department of Environmental Protection Completed by Roger Heldman Telephone 304-420-1107 Title Operations Manager Date 8/14/15 Signature

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

FORM WW-3 (A) 1/12



1) Date:	August 6, 2	2020				
2) Operato	or's Well	No.	J. H. S	Starr 112		
3) API W	ell No.:	47	_	087	-	04781
		State	7.	County		Permit
4) UIC Per	mit No.	2R087	700005/	AP		

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,

5) Surface Ow	mer(S) To Be Served 7) (a)	Coal Operator	
(a) Name		me NA	
Address	4513 Clay Road Ad	dress	
	Spencer, WV 25276		
(b) Name		The state of the s	Declaration Of Record
Address	Na		
	Ad	dress	
(c) Name	Na	me	
Address		dress	
6) Inspector	Joe Taylor 7) (c)	Coal Lessee with Dec	claration Of Record
Address	1478 Claylick Road Na	me NA	
	Ripley, WV 25271 Ad	dress	
Telephone	304-380-7469		
(2) The plat ((3) The Cons plan for e The date THE REASON APPLICATION	volved in the drilling or other work; surveyor's map) showing the well location on Forn truction and Reclamation Plan on Form WW-9 (urosion and sediment control and for reclamation for proposed for the first injection or waste disposed for the RECEIVED THESE DOCUMEN WHICH ARE SUMMARIZED IN THE "INSTATION [(FORM WW-3(B)] DESIGNATED TO LLL.	nless the well work is r the site and access r sal is NTS IS THAT YOU RUCTIONS" ON TH	20 20 . U HAVE RIGHTS REGARDING THE HE REVERSE SIDE OF THE COPY OF
Notice and Ap West Virginia Application an and Reclamation	at under Chapter 22-6 of the West Virginia Code, to plication and accompanying documents for a We Department of Environmental Protection, with d depicted on the attached Form WW-6. Copies on Plan have been mailed by registered or certification certain circumstances) on or before the day of the	Il Work Permit with respect to a well at of this Notice, the Ap d mail or delivered by	the Chief of the Office of Oil and Gas, the location described on the attached pplication, the plat, and the Construction y hand to the person(s) named above (or
	The person signing this document sha	all make the followi	ng certification: AUG 2 0 2070
"I certify under	penalty of law that I have personally examined ar	Well Operator	HG Energy, LLC
	th the information submitted in this document and		5260 Dupont Road WV Department of
	d that, based on my inquiry of those individuals		Parkersburg, Worzersprimental Protection
immediately re	sponsible for obtaining the information, I believe t		Diane White
	is true, accurate and complete. I am aware that the		Agent
	penalties for submitting false information, including	g	· • • • • • • • • • • • • • • • • • • •
the possibility	of fine and imprisonment.	Signature:	Diane White

CE	S. Postal Service [™] ERTIFIED MAIL® RECEIPT nestic Mail Only
For	delivery information, visit our website at www.usps.com®.
	OFFICIALOUS
Certifie	d Mail Fee
Certified Certified Extra S Rest. Rest. Certified Addu	d Mail Fee ervices & Fees (check box, add fee as appropriate)
Extra S	um Receipt (hardcopy) \$
Retu	um Receipt (electronic) \$ Postmark
☐ ☐ ☐ Adu	ittified Mail Restricted Delivery \$
Adu	it Signature Restricted Delivery \$
Postag	•
TU Total P	Postage and Fees
Ş	J 73 16
Sent To	Freddie 115Mer
	and Apr. No., or PO Box No. 4513 Clay Road
City, S	tate, 21948 Spencer WV 25276
PS Fo	orm 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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

August 6, 2020

Freddie Fisher 4513 Clay Road Spencer, WV 25276

RE: J. H. Starr No. 112

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

AUG 2 0 2020

WV Department of Environmental Protection

WW-2A / 3A Surface Waiver

		SURFACE OWN	ER WAIVER	₹				
County	Roane	_ Operato Operato	or or well num		HG Energy, LLC J. H. Starr 112	<u> </u>		
	INSTRUCTIONS TO	SURFACE OWNER	RS NAMED	ON PAGE V	NW2-A / 3A			
(Note: If the sur name appeared you may be the work permits are	I operator named on page face tract is owned by more on the Sheriff's tax ticket only owner who will actuate valid for 24 months. If you mediately if you know who NOTE: YOU WHERE TO FILE CO	re than three person on the land or becaully receive these maudo not own any into it is. Also, please rARE NOT REQUIRE	s, then thesouse you actorials.) See erest in the solution TO FILE A	e materials ually occupy e Chapter 2 surface tract Il operator a ANY COMM	were served on you the surface tract. 2 of the West Virging the please forward the nd the Office of Oil IENT.	u because your In either case, nia Code. Well ese materials to		
Chief, Office of O Department of E 601 57 th St. SE Charleston, WV (304) 926-0450	nvironmental Protection							
Time Limits and operator files his be filed in perso be sure of the handling. If you the planned work	d methods for filing comes Application. You have Fling or received in the mail by date. Check with your perhave been contacted by the described in these materiants must be in writing.	FTEEN (15) DAYS a y the Chief's office by ostmaster to ensure ne well operator and ials, then the permit r	fter the filing	g date to file rated above. delivery time gned a "volued at any time	your comments. O You may call the e or to arrange sp intary statement of ne.	Comments must Chief's office to ecial expedited no objection" to		
well operator's n from the applica The Chi 1) The 2) The 3) Dan								
5) The more	proposed well work fails to applicant has committed a e of the rules promulgated vant a copy of the permi	a substantial violatio under Chapter 22, ai	n of a previ nd has failed	ous permit of I to abate or	seek review of the	violation".		
request a copy <u>List of \</u>	from the Chief. Nater Testing Laboratorion to establish water quality	es. The Office main	tains a list o ling. Contac	f water testi ct the Chief t	ng laboratories whi			
Application for a work order on Fo as described the	state that I have read the Well Work Permit on Form orm WW-2B / 3A, a survey erein.	instructions to surface in WW2-A / 3A, and a plat, and a soil and c	ce owners a attachments erosion plan	nd that I have consisting of all for prop	of pages 1 through osed well work on r	including a my surface land		
	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	ON BY A NATURAL PERSO	NC	FOF	REXECUTION	ON BY A CORPORA	ATION, ETC.		
		Date	Company Name		251	CEIVED		
Sig	nature		Ву		Office of	f Oil and Gas		
04781			Its		AUG	2 0 2020 ate		
Prir	it Name		-			epartment of pental Protection		
				Signature	FUALIONIA	Date		

WW-2B1	
(5-12)	

Well No.	J H Starr 112	
_		

West Virginia Department of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Sampling Contractor		Sturm Analytical Lab	
		Sturm Analytical Lab	
			Office of Oil and Gas
Well Operator HG Energy, LLC		;	AUG 2 0 2020
Address	5260 Dupont Ro	ad	- WYD
	Parkersburg, W	/ 26101	Environmental project
Telephone	304-420-1119		ion
Address	5260 Dupont Ro Parkersburg, W	ad	AUG 2 0 20, WV Department Environmental Prote

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

* Not Applicable

WW-9 (2/15)

API Number 47 - 87 - 04781

Operator's Well No. JH Start 112

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

	AL & RECEAVIATION FEAT
Operator Name HG Energy, LLC	OP Code 494497948
Watershed (HUC 10) Laurel Fork	Quadrangle Looneyville 7.5'
	the proposed well work? Yes No V LEFFLUENT MUST BE CONTAINED IN LES BEFORE DISPOSING OFF-SITE
n 30, pieme describe anatorpated pit make.	If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application Underground Injection (UIC Permit No Reuse (at API Number Off Site Disposal (Supply form WW-9 Other (Explain No waste anticipated, sho	5
Will closed loop system be used? If so, describe: No	
Drilling medium anticipated for this well (vertical and horizontal)?	Air, freshwater, oil based, etc. NA
-If oil based, what type? Synthetic, petroleum, etc. NA	
Additives to be used in drilling medium? NA	
Drill cuttings disposal method? Leave in pit, landfill, removed offs	site, etcNA
-If left in pit and plan to solidify what medium will be use	d? (cement, lime, sawdust)_NA
-Landfill or offsite name/permit number? NA	
Permittee shall provide written notice to the Office of Oil and Gas West Virginia solid waste facility. The notice shall be provided wit where it was properly disposed.	of any load of drill cuttings or associated waste rejected at any hin 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West Virgin provisions of the permit are enforceable by law. Violations of an law or regulation can lead to enforcement action.	ry term or condition of the general permit and/or other applicable camined and am familiar with the information submitted on this n my inquiry of those individuals immediately responsible for accurate, and complete. I am aware that there are significant
Company Official Signature Diane White	RECEIVED Office of Oil and Gas
Company Official (Typed Name) Diane White	AUG 2 0 2020
Company Official Title Agent	
	WV Department of Environmental Protection
Subscribed and sworn before me this 6th day of Augus	st , 20 20
Caste	Notary Public Notary Public Notary Public Notary Public MARK J SCHALL H G Energy LLC
My commission expires 11/2/2021	PO Box 5519, Vienna, WY 2 My Commission Explras Novemb

HG Energy, LLC		Operator's Well No. J H Starr 112		
Proposed Revegetation Trea	tment: Acres Disturbed 0.1	Prevegetation pH	Ι	
Lime3	Tons/acre or to correct to	pH 6.5		
Fertilizer type1	0-20-20	-		
Fertilizer amount_	500	_lbs/acre		
Mulch_Straw	2 _{Tor}	ns/acre		
		in income		
		eed Mixtures		
	emporary	Perma		
Seed Type	lbs/acre	Seed Type	lbs/acre	
Tall Fescue	40	Tall Fescue	40	
Ladino Clover	5	Ladino Clover	5	
Attach:	I Plan will be in effect	at all times ** application (unless engineered plans inc	luding this info have be	
Photocopied section of invol Plan Approved by: Comments:	ved 7.5' topographic sheet.			

RECEIVED Office of Oil and Gas

AUG 2 0 2020

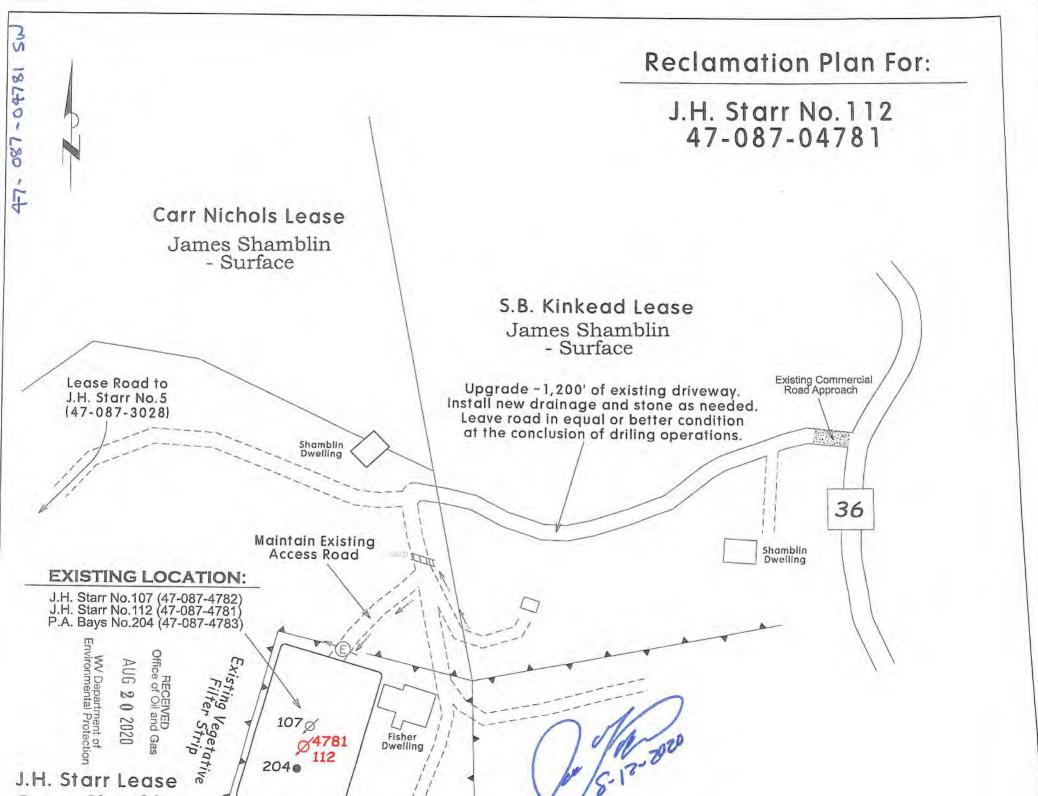
Field Reviewed?

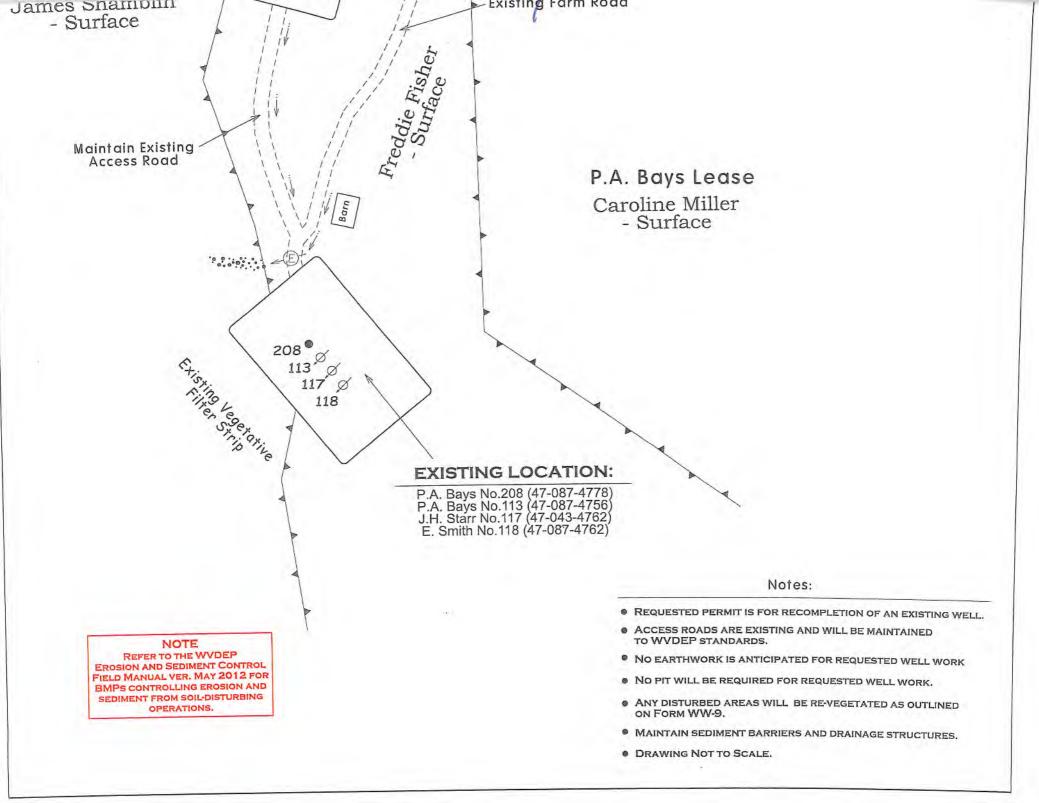
Ye

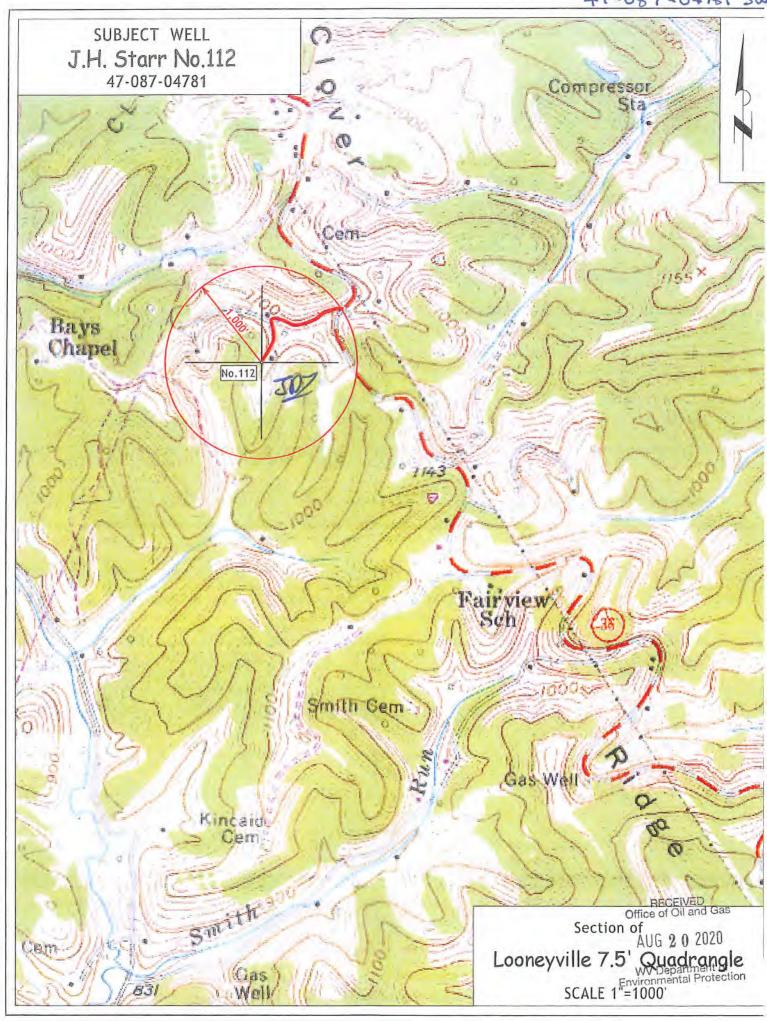
) No

Date: 8-17-2020

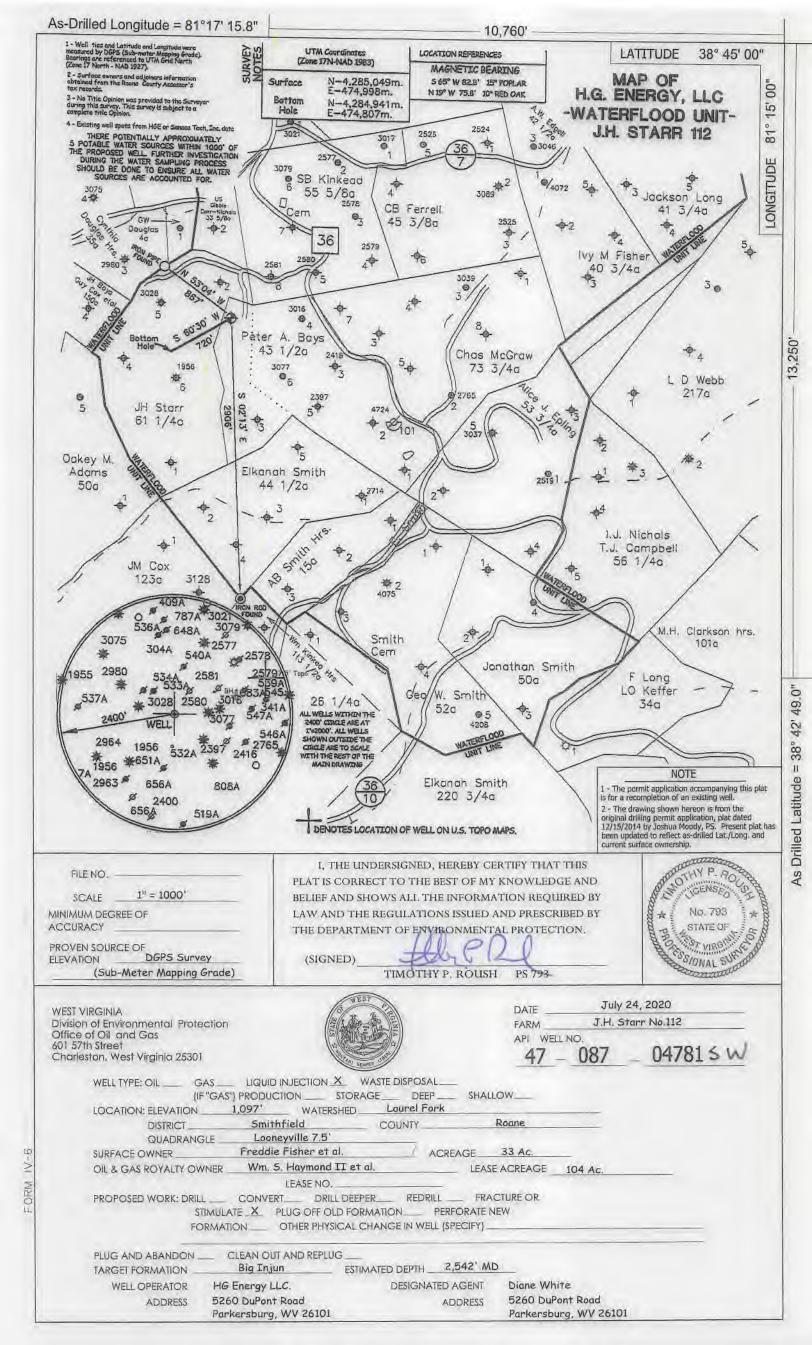
WV Department of Environmental Protection







AS





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

August 6, 2020

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

RE:

J. H. Starr No. 112 (API 47-087-04781)

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

Enclosures

Office of Oil and Gas

Clark 17 35 50 120

Pronte 8/120

AUG 2 0 2020

WV Department of Environmental Protection

cc: Freddie Fisher – Certified Joe Taylor – Inspector