

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

Thursday, April 8, 2021 WELL WORK PERMIT Vertical / Re-Work

HG ENERGY, LLC 5260 DUPONT ROAD PARKERSBURG, WV 26101

Re: Permit approval for E J MAY 150

47-043-03586-00-00

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: E J MAY 150

Farm Name: JOHN & TAMMIE COOPER F

U.S. WELL NUMBER: 47-043-03586-00-00

Vertical Re-Work Date Issued: 4/8/2021



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, drilling ceased, completion of any other permitted well work and completion of the 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



2) Operator	r's Well N	No.	E.J	. May 150		
3) API We		47	-	Lincoln	-	03586
		State		County		Permit
4) UIC Per	mit No.	UIC2I	R0430	2AP		

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

	Elevatio	David			Car	unty Lincoln		Quadran	gle Griffithsville 7.5°
NET L OPER	District:	_	0		COL	8) DESIGNA	TED ACE		-
) WELL OPERA						a) DESIGNA	Addres		oont Road
Add		60 Dupont F					Addres	-	urg, WV 26101
		arkersburg, V		Prv		10) DRILLIN	CCONTR	and the second	uig, WV 20101
O) OIL & GAS IN Name Terry U		KIOBE	NOTIFI	ED				Upon Approva	l of Permit
Address P.O.B	ox 1207					Address			
Clender	nin, WV 2504	5				-			
11) PROPOSED '				old form hysical		leeper Perfor	_ / Rec	ormation	/ Stimulate ✓ Convert
2) GEOLOGIC	TARGET	FORMA'	TION Be	rea			2478'	Feet (top) to 2488' Feet (bottom
3) Estimated De					pth of exist			Feet	
4) Approximate			Fre	sh 225	5'	Feet	Salt	1010'	Feet
5) Approximate			378' - 3	384'					
6) Is coal being					No				
7) Virgin reserve	oir pressur	e in targe	t formation	on 1250	psig	g Source	Estimated		
8) Estimated res									psig (BHFP)
9) MAXIMUM	DDADACI	ED INTE	TIONO	PERATI	IONIC. 1	red to the	DE DDI	Dattain L	nole pressure 2400 psi
7) WIAAIWIUWI	PROPUSI	D HATE	LIDINO	LLIMI	IONS: V	olume per hour	ZO DOL		reac Princeton
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DEC - 3 2020

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

Farm name COOPER, JOHN AND TAMMIE ET AL Operator (as registered with the OOG) H.G. ENERGY L	Well Number 1	GRIFFITHSVIL 50	
As Drilled location NAD 83/UTM Attach an as-drilled location Top hole Northing 4,232,693 M Landing Point of Curve Northing 4,232,919 M Bottom Hole Northing 4,232,919 M Elevation (ft) 804' GL Type of Well	Easting 416,141 M		
Permit Type Deviated Horizontal Horizontal	. •		Shallow
Type of Operation □ Convert □ Deepen ■ Drill	□ Plug Back □ Redrilling □ Reworl	k 🗆 Stimulate	
Well Type □ Brine Disposal □ CBM □ Gas □ Oil ■ So		Storage Other	
Drilled with □ Cable ■ Rotary Drilling Media Surface hole ■ Air □ Mud ■ Fresh W Production hole ■ Air □ Mud □ Fresh Water ■ Brin Mud Type(s) and Additive(s) N/A		ud ■ Fresh Water	r □ Brine
Date permit issued 8/21/18 Date drilling com	menced8/31/18Date drillin	9/3	8/18
Date completion activities began 9/18/18			
Verbal plugging (Y/N) N Date permission grante			•
Please note: Operator is required to submit a plugging applic	cation within 5 days of verbal permission to	plug	
Freshwater depth(s) ft 225'	Open mine(s) (Y/N) depths	None	RECEIVED
Salt water depth(s) ft 1010'	Void(s) encountered (Y/N) depths	None	RECEIVED Office of Oil and Gas
Coal depth(s) ft378'- 384'	Cavern(s) encountered (Y/N) depths	None	DEC - 3 2020
Is coal being mined in area (Y/N) N		Reviewed 15	WV Department of nvironmental Protection

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API 47- 043	03586	Farm nan	1e COOPER	, JOHN AN	D TAMMIE E	T_Well m	umber_150	···
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		asket pth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	15"	13 3/8"	8'	New	LS		par(o)	Sand In
Surface	8 3/4"	7"	465.47'	New	LS		42'	Υ
Coal								
Intermediate 1			•					
Intermediate 2		·····						
Intermediate 3								
Production	6 1/4"	4 1/2"	2648.62'	New	LS			Υ
Tubing								
Packer type and de	epth set	<u></u>			<u>L</u>			
CEMENT	Class/Type	Number	Slurry	, Y	rield.	Volume	Cement	woc
DATA	of Cement	of Sacks	wt (ppg		³/sks)	(ft ²)	Top (MD)	
Conductor Surface								
Coal	Reg Neat	115	15.6	1	.18	136	Surface	8
intermediate 1								
ntermediate 2								
ntermediate 3								
Production	50:50 Pozmb	120/125	13.2/14	.2 1.64	1/1.27 1	97/186	75'	8
Tubing								
Drillers TD (ft) Deepest format Plug back proc	ion penetrated	Berea		Loggers TI Plug back t	,			
Kick off depth ((乱) 600'				_			
Check all wireli	ine logs run	-	density resistivity	≛ deviate	d/directional ray			nsonic
Well cored 🗆		Conventiona				_	lected m Y	
DESCRIBE TH	E CENTRALIZ	ZER PLACEMEN' izer placed mid string on 7°, Bask	TUSED FOR	EACH CA	SING STRIN	IG		
		, milg vir i Indon						
			•					
		•						
VAS WELL CO	OMPLETED A	S SHOT HOLE	□Yes ■ 1	No DE	TAILS			RECEIVE Office of Oil a
VAS WELL CO	OMPLETED O	PEN HOLE?	Yes B No	DETA	ILS		.	DEC - 3
ÆRE TRACE	RS USED 🗆 Y	Yes A No]	YPE OF TRA	ACER(S) U	SED			W Departm Fovironmental F

WR-35
Rev. 8/23/13

API 47- 043 _ 03586

Farm name COOPER, JOHN AND TAMMIE ET Well number 150

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	9/18/18	2478'	2488'	40	Berea
					,
		•			
					
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				<u> </u>	

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	9/19/18	4	1277	2230	1023	1,000	143		į
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								Office of O	l and Gas
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Please insert additional pages as applicable.

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	_ 03586	177	COOPE	R JOHN A	NO TAMMIF I	FT		150			
API 47- 010		Farm	name	14,001,111	17 17 17 17 11 11 11 11 11 11 11 11 11 1	Well	numbe	<u>r 100</u>			-
PRODUCING	FORMATION	(S)	DEPTHS	•							
Berea	- -		2289'- 2312'	TVD	2475'- 2500'	MI	`				
				1 V D .	2110 2000	IVIL	,				
		·									
											
Please insert ad	lditional pages a	is applicable.									
GAS TEST	□ Build up	Drawdown	□ Open Flow	•	OILTEST []	Flow	🗆 Pump	ı			
SHUT-IN PRE	SSURE Surf	face	_psi Botto	m Hole	psi	DURA	TION C	OF TES	ST	hrs	
OPEN FLOW		Oil			Water		MEASU				
	mci	fpd	bpd	_ bpd _	bpd	□ Esti	mated	□ Or	ifice 🗆	Pilot	
LITHOLOGY/	TOP	BOTTOM	TOP	BOTTOM		D()()27 mm	DE ASIC	יייים	ח מנו איניים	ምም ለ አጥ	
FORMATION	DEPTH IN FT	DEPTH IN FT TVD	DEPTH IN FT						-	TYAND AS, H₂S, ETC)	
Sand/Shale	NAME TVD 0	378	MD 0	MD 378	11 PE OF FL	מוט (דגנו	I A W IIGE	DK, DK	INB, OIL, U	A3, H23, E1C)	1
Pittsburgh Coal	378	384	378	384							1
Sand/Shale	384	1570	384	1638		-					1
Big Lime	1570	1770	1638	1883							1
Big Injun	1770	1880	1883	2002							1
Shale	1880	2269	2002	2452							1
Coffee Shale	2269	2289	2452	2475							
Berea	2289	2312	2475	2500	Drille	d directi	onal N 1	2.95° E	a distanc	e of 760'	
Shale	2312	2462	2500	2677]
TD	2462		2677								
											-
	·										
Please insert ad	ditional nages a	c annlicable	L								ļ
Drilling Contract	ctor Noah Hom	Well Drilling									
Address 1070 Sa	andy Valley Lane		City	Vansant		_ State	VA	Zip	24656		
Logging Compa	www. Weatherford	I International									
Address 13211 C	Old Hwy 50		City	Flora		_ State	ΙL	7in	62839		
			Only			5.410		~.p			
Cementing Con	npany C&JEne	ergy Services									
Address 580 Hav	wthorn Dr		City	Norton		_ State	VA	Zip	24273		
Stimulating Cor	nnany Produc	ers Service Cor	p.							DEC	en/en
Address 109 Sou	~~r~~/		City	Zanesville		_ State	ОН	Zin	43701	Office of	EIVED Oil and Gas
Please insert add								₽		NFC -	- 3 2020
Completed by	Boger Heldman				Telephone	304-420	-1107				
Signature	Du Mou	ha	Title Or	erations Man	ager Terebuoue		Date 9/	20/18		WV Dep	partment of ntal Protecti
		- · · · -								-	
Submittal of Hy	draulic Fracturi	ng Chemical I	Disclosure Infor	mation .	Attach copy of	FRACE	OCUS	Regist	гу		

FORM WW-3 (A) 1/12



1) Date:	October 30	, 2020				
2) Operato	r's Well	No.	Edna N	/lay 150		
3) API Wo	ell No.:	47	4	043	-	03520
		State		County	-	Permit
4) UIC Per	mit No.	UIC2R	04302A	р		

STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION

5) Surface Ow	mer(S) To Be Served	7) (a) Coal Op	erator		
(a) Name	John & Tammie Cooper	Name	NA		
Address	P. O. Box 175	Address			
	Yawkey, WV 25573				
(b) Name	Michael & Pam Cooper V		vner(S) With D	Declaration Of Record	
Address	46 Torque Drive	Name			
	Yawkey, WV 25573	Address	-		
(c) Name		Name	-		
Address		Address			
6) Inspector	Terry Urban	7) (c) Coal Les	ssee with Decla	aration Of Record	
Address	P. O. Box 1207	Name	NA.		
	Clendenin, WV 25045	Address			
Telephone	304-549-5915				
parties in (2) The plat ((3) The Consplan for e The date	lication For A Liquid Injection or Waste D volved in the drilling or other work; surveyor's map) showing the well location of struction and Reclamation Plan on Form WV trosion and sediment control and for reclama proposed for the first injection or waste	on Form WW-6 W-9 (unless the tion for the site disposal is	; and well work is of and access roo	only to plug a well), which ad. 20 HAVE RIGHTS REGA	20 . RDING THE
parties in (2) The plat ((3) The Consplan for each of the Consplan for	volved in the drilling or other work; surveyor's map) showing the well location of struction and Reclamation Plan on Form WV rosion and sediment control and for reclama proposed for the first injection or waste N YOU HAVE RECEIVED THESE DOO N WHICH ARE SUMMARIZED IN THE ATION [(FORM WW-3(B)] DESIGNATED ALL. at under Chapter 22-6 of the West Virginia (oplication and accompanying documents for Department of Environmental Protection, and depicted on the attached Form WW-6.	on Form WW-6 W-9 (unless the tion for the site disposal is CUMENTS IS "INSTRUCTIO D TO YOU. H Code, the under a Well Work with respect to	; and well work is of and access road THAT YOU DNS" ON THE HOWEVER YOU resigned well of Permit with the a well at the office, the App	only to plug a well), which ad. 20 HAVE RIGHTS REGAE REVERSE SIDE OF TO THE PROPERTY OF THE	RDING THE HE COPY OF ED TO TAKE has filed this Oil and Gas, the attached Construction
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	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
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RECEIVED Office of Oil and Gas

DEC - 3 2020



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

October 30, 2020

Michael & Pam Cooper 46 Torque Drive Yawkey, WV 25573

RE: Edna May No. 150

Duval District, Lincoln 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

Office of Oil and Gas

DEC - 3 2020



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

October 30, 2020

John & Tammie Cooper P. O. Box 175 Yawkey, WV 25573

RE: Edna May No. 150

Duval District, Lincoln County

West Virginia

Dear Landowner:

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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

DEC - 3 2020

SURFACE OWNER WAIVER

County	Lincoln	Operator	HG Energy, LLC
•		Operator well number	Edna May 150

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A / 3A

The well operator named on page WW-2A / 3A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

<u>Comments must be in writing.</u> Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

<u>List of Water Testing Laboratories.</u> The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A / 3A, and attachments consisting of pages 1 through ____ including a work order on Form WW-2B / 3A, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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 BY A NATUR	OR EXECUTION BY A NATURAL PERSON			A CORPORATION, ETC. RECEIVED _
		Company		Office of Oil and Gas
	Date	Name		DEC - 3 2020
Signature		Ву		
03520		Its		WV Departनिर्देख of Environmental Protection
Print Name				
			Signature	Date

WW-2B1 (5-12)

Well No.	Edna May No. 150
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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 Labora	atory Name	Sturm Environmental
Sampling Contr	actor	Sturm Environmental
Well Operator	HG Energy, LLC	
Address	5260 Dupont Ro	pad
	Parkersburg, W	V
Telephone	304-420-1119	
Telephone		V

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 *

RECEIVED Office of Oil and Gas WW-9 (2/15)

API Number 47 -	043	_ 03520
Operator's	s Well	No. Edna May No. 150

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

FLUIDS/ CUTTIN	IGS DISPOSAL & RECLAMATION PLAN
Operator Name HG Energy, LLC	OP Code UIC2R04302AP
Watershed (HUC 10) Bear Fork	Quadrangle Griffithsville 7.5'
Do you anticipate using more than 5,000 bbls of wate. Will a pit be used? Yes No V If so, please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes	No fluids are anticipated, if there are any, they'll be disposed of off site
Proposed Disposal Method For Treated Pit V	
Land Application Underground Injection (U Reuse (at API Number Off Site Disposal (Supply	
Will closed loop system be used? If so, describe: No	
Drilling medium anticipated for this well (vertical and	d horizontal)? Air, freshwater, oil based, etc. NA
-If oil based, what type? Synthetic, petroleu	ım, etc. NA
Additives to be used in drilling medium? NA	
Drill cuttings disposal method? Leave in pit, landfill,	, removed offsite, etc. NA
	ım will be used? (cement, lime, sawdust) NA
-Landfill or offsite name/permit number? N	
Permittee shall provide written notice to the Office of West Virginia solid waste facility. The notice shall be where it was properly disposed.	f Oil and Gas of any load of drill cuttings or associated waste rejected at any e provided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of th provisions of the permit are enforceable by law. Violate or regulation can lead to enforcement action. I certify under penalty of law that I have application form and all attachments thereto and the second of the control	
Company Official Find	RECEIVED Office of Oil and Gas
Subscribed and sworn before me this 30th	day of October , 20 20 DEC - 3 2020
Carrid Board	Notary Public MAY Department of Environmentals Particular
My commission expires 7 31 2022	STATE OF WEST VIRGINIA NOTARY PUBLIC CASSIDY A JOST PUBLIC TO THIS INCLUDENCE TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC CASSIDY A JOST PUBLIC TO THIS INCLUDENCE TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC TO THIS INCLUDENCE TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC TO THIS INCLUDENCE TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC TO THE PUBLIC STATE OF WEST VIRGINIA NOTARY PUBLIC TO THE PUBLIC STATE OF WEST VIRGINIA T

HG Energy, LLC

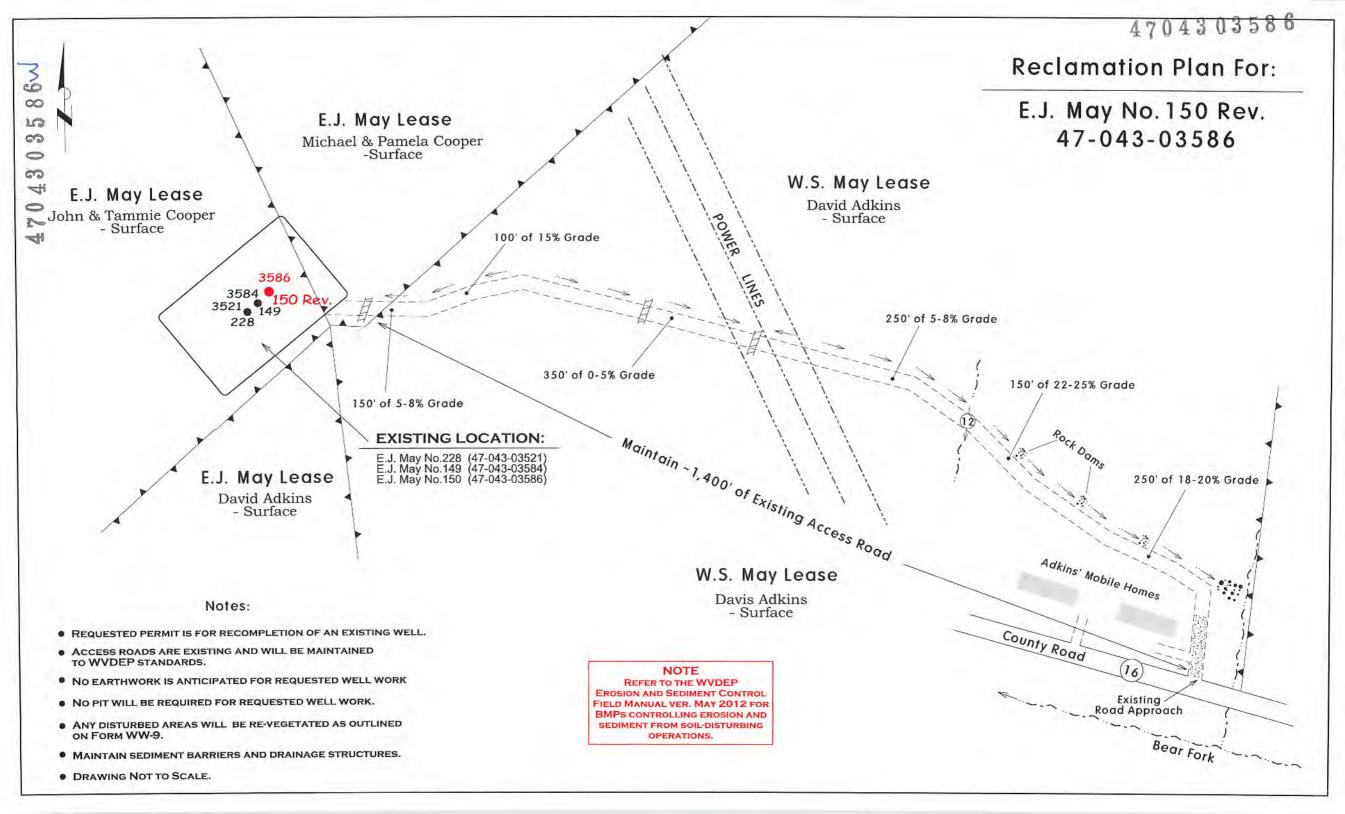
Operator's Well No. Edna May No. 150

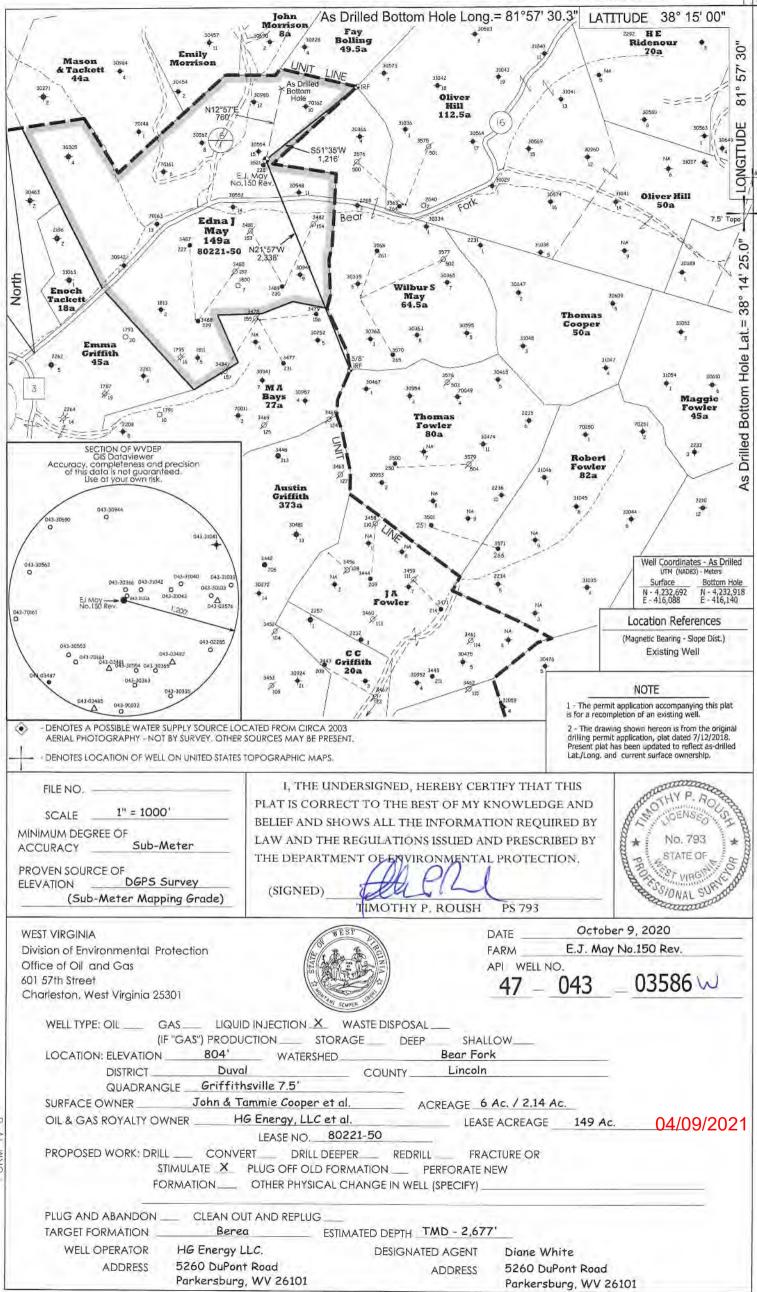
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Ter	mporary		Perma	inent
Seed Type	lbs/acre		Seed Type	lbs/acre
Tall Fescue	40		Tall Fescue	40
Ladino Clover	5		Ladino Clover	5
Sediment Control	Will Be Maintaine	d At All	Times	
Plan Approved by:				
Comments:				
Title:			Date:	
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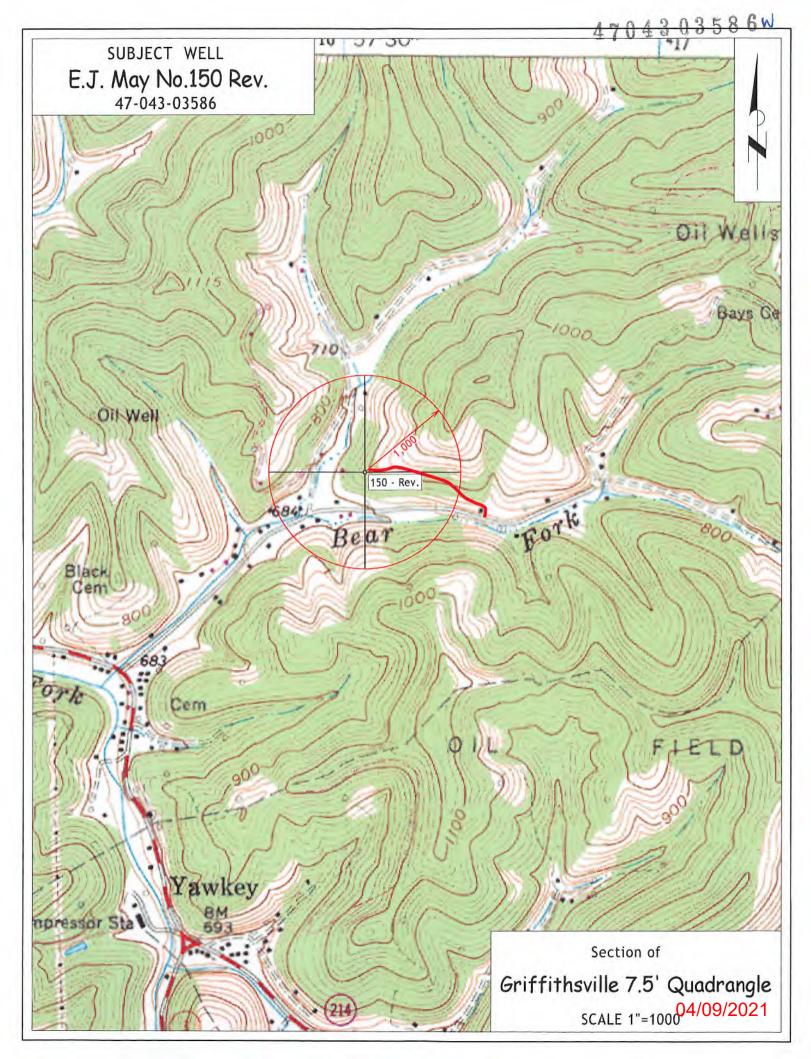
DEC - 3 2020

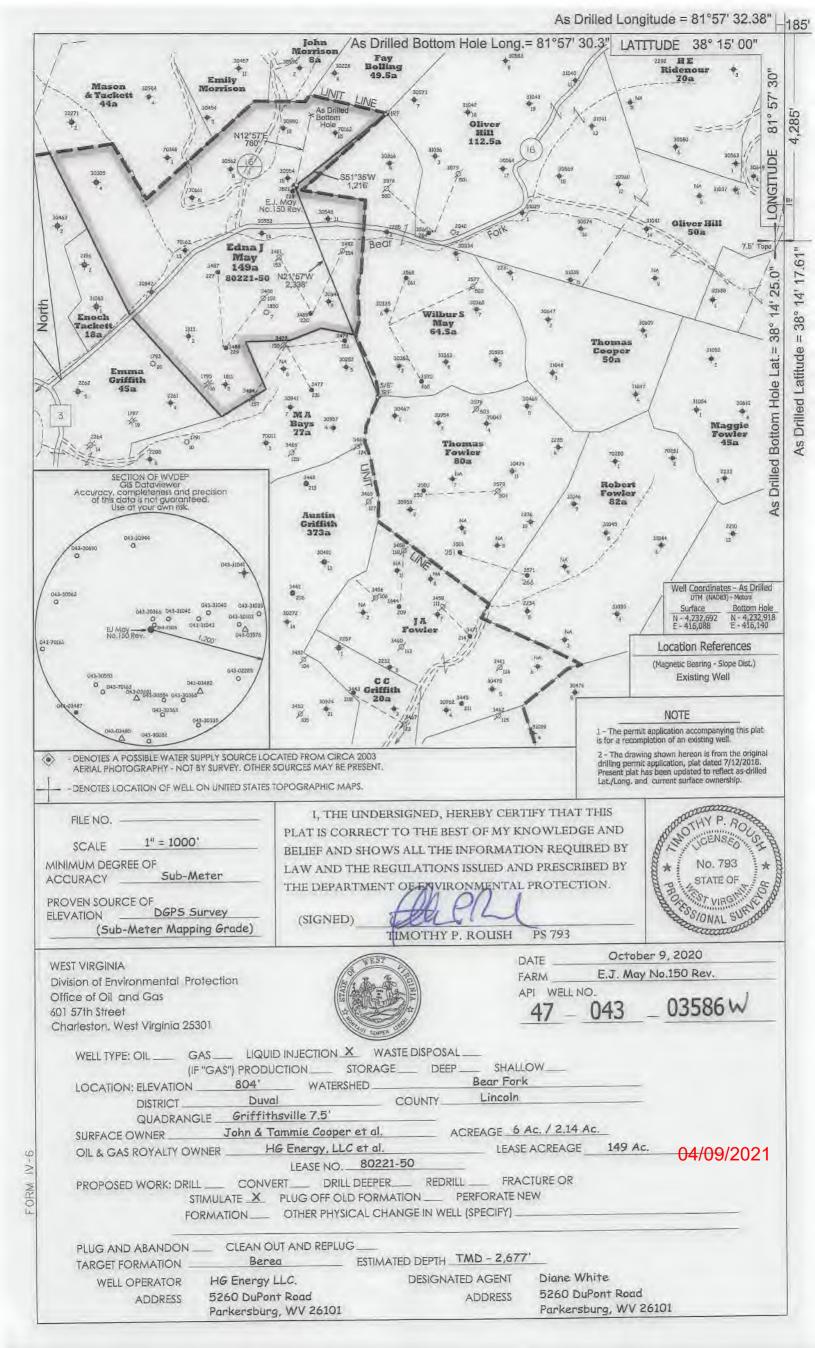
Operator's Well No. Ling J. May No. 150

Permanent
lbs/acre
40
r 5
Offic











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

October 30, 2020

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

RE:

E. J. May No. 150

Duval District, Lincoln 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 \$500.00 to cover the associated permit fees.

Very truly yours,

Diane White

Diane C. White

Enclosures

cc:

John & Tammie Cooper - Certified

Michael & Pam Cooper - Certified

Terry Urban - Inspector

CK# 4817 Am+\$ 500 Date 11/5/20

> RECEIVED Office of Oil and Gas

DEC - 3 2020