

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

Tuesday, July 10, 2018 WELL WORK PERMIT Vertical / Re-Work

HG ENERGY, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Permit approval for CB FERRELL 110 Re: 47-087-04754-00-00

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: CB Ferrell 110

Farm Name: MAY, TIMOTHY D.

U.S. WELL NUMBER: 47-087-04754-00-00

Vertical Re-Work

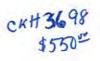
Date Issued: 7/10/2018

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.
- 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) I	Date:	06/07/2018	В					
2) (Operator	's Well N	lo.	СВ	Ferrell 110			
3) 1	API Wel	l No.:	47	-	087	-	04754	
			State	-	County		Permit	
4) I	IIC Per	nit No	00000	70445				

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

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NUELL OPER	District:				Co	unty Roane	TED ACE		gle Looneyville 7.5	
7) WELL OPER						8) DESIGNA				
Ac		60 Dupont					Addres		urg, WV 26101	
	the second second	rkersburg,		ED		10) DRILLIN	IC CONTR		urg, vvv 26101	
O) OIL & GAS I		K TO BE	NOTIFI	ED	_	Name NA		ACTOR		
Address 1478	Claylick Road					Address				
Ripley	, WV 25271									
11) PROPOSED 12) GEOLOGIC 13) Estimated De	TARGET	FORMA	TION Big	hysical Injun	change in v	/ Perfo well (specify) Depth	Reperforate Big 2122 (TVD)	rmation Injun (2406-241 Feet (top	/ Stimula Conve	ert w/ 2000 gal H
(4) Approximate				esh none		Feet	Salt		Feet	
(5) Approximate			NA NA		-	_ 1001	-			
6) Is coal being			Yes	_	. No					
7) Virgin reserv	nir pressur	e in targe		on 1250	psig	Source	Estimated			
8) Estimated re						5			psig ((BHFP)
O) MAYIMI IM	PROPOSE	DINIE	CTIONO	PERAT	IONS: \	Jolume per hou	ır 25	Bottom h		400
19) MAXIMUM	PROPOSE	D INJE	CTION O	PERAT	IONS: V	olume per hou	ır 25 CLUDING		nole pressure 2	400
19) MAXIMUM 20) DETAILED	PROPOSE	D INJECTION	OF MA	PERAT ΓERIAL	S TO BE I	NJECTED, IN	ır <u>25</u> CLUDING			400
19) MAXIMUM 20) DETAILED bactericides, and	PROPOSE IDENTIFIC other chemicals	ED INJECTION CATION as needed	OF MAT	PERAT ΓERIAL	S TO BE I	NJECTED, IN	ır 25 CLUDING		nole pressure 2	400
19) MAXIMUM 20) DETAILED bactericides, and 21) FILTERS (II	PROPOSE IDENTIFIC other chemicals FANY) Ca	ED INJECTION CATION as needed artridge filte	CTION O OF MAT to maintain u	PERAT ΓERIAL water quali	S TO BE I	NJECTED, IN	CLUDING	ADDITIVE	nole pressure 2	400
19) MAXIMUM 20) DETAILED bactericides, and	PROPOSE IDENTIFIC other chemicals FANY) Ca	ED INJECTION CATION as needed artridge filte	CTION O OF MAT to maintain u	PERAT ΓERIAL water quali	S TO BE I	NJECTED, IN	CLUDING	ADDITIVE	nole pressure 2	400
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19) MAXIMUM 20) DETAILED bactericides, and 21) FILTERS (II 22) SPECIFICA 23) CASING ANI CASING OR TUBING TYPE Conductor Fresh Water Coal Intermediate Production	PROPOSE IDENTIFIC tother chemicals F ANY) Ca TIONS FOR TIONS FOR Size 11 5/8" 7"	ED INJEC CATION as needed artridge filter R CATH PROGRAM SP Grade	CTION OF MACE TO THE CONTROL OF THE	PERAT TERIAL water quali ROTECT ONS New	S TO BE I ty and improve TION AND Used	NJECTED, INCOME OF THE CORDINATE OF THE	ROSION CONTERVALS Left In Well 30' 506'	CEMENT FILL -UP OR SACKS (CU. FT.)	PACKE Kinds Sizes 2 3/8" x	duced water
19) MAXIMUM 20) DETAILED bactericides, and of the second color of	PROPOSE IDENTIFIC tother chemicals F ANY) Ca TIONS FOR TIONS FOR Size 11 5/8" 7" 4 1/2"	ED INJECCATION as needed artridge filter R CATH PROGRAM SP Grade LS LS J-55	CTION OF MACE TO THE PROPERTY OF THE PROPERTY	PERAT TERIAL Water qualit COTECT ONS New	S TO BE I ty and improve TION AND Used	NJECTED, IN oil recovery OTHER COR FOOTAGE IN For Drilling 30' 506'	ROSION CONTERVALS Left In Well 30' 506'	CEMENT FILL -UP OR SACKS (CU. FT.)	PACKE Kinds Sizes 2 3/8" × Depths set 2306 Perforations	400 duced water
19) MAXIMUM 20) DETAILED bactericides, and of the second color of	PROPOSE IDENTIFIC tother chemicals F ANY) Ca TIONS FOR TIONS FOR Size 11 5/8" 7" 4 1/2"	ED INJECCATION as needed artridge filter R CATH PROGRAM SP Grade LS LS J-55	CTION OF MACE TO THE PROPERTY OF THE PROPERTY	PERAT TERIAL Water qualit COTECT ONS New	S TO BE I ty and improve TION AND Used	NJECTED, IN oil recovery OTHER COR FOOTAGE IN For Drilling 30' 506'	ROSION CONTERVALS Left In Well 30' 506'	CEMENT FILL -UP OR SACKS (CU. FT.)	PACKE Kinds Sizes 2 3/8" × Depths set 2306 Perforations	A400 Adduced water ERS A" Bottom
19) MAXIMUM 20) DETAILED bactericides, and of the second color of	PROPOSE IDENTIFIC tother chemicals F ANY) Ca TIONS FOR TIONS FOR Size 11 5/8" 7" 4 1/2"	ED INJECCATION as needed artridge filter R CATH PROGRAM SP Grade LS LS J-55	CTION OF MACE TO THE PROPERTY OF THE PROPERTY	PERAT TERIAL Water qualit COTECT ONS New	S TO BE I ty and improve TION AND Used	NJECTED, IN oil recovery OTHER COR FOOTAGE IN For Drilling 30' 506'	ROSION CONTERVALS Left In Well 30' 506'	CEMENT FILL -UP OR SACKS (CU. FT.)	PACKE Kinds Sizes 2 3/8" x Depths set 2306 Perforations	400 duced water
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19) MAXIMUM 20) DETAILED bactericides, and of the control of the c	PROPOSE IDENTIFIC Other chemicals F ANY) Ca TIONS FOR OTUBING P Size 11 5/8" 7" 4 1/2" 2 3/8"	ED INJEC CATION is as needed artridge filter R CATH PROGRAD SP Grade	CTION OF MACE TO THE PROPERTY OF THE PROPERTY	PERAT FERIAL Water qualification COTECT ONS New X X X	Used	NJECTED, IN oil recovery OTHER COR FOOTAGE IN For Drilling 30' 506' 2361.35 2306	ROSION CONTERVALS Left In Well 30' 506'	CEMENT FILL -UP OR SACKS (CU. FT.)	PACKE Kinds Sizes 2 3/8" × Depths set 2306 Perforations Top 2406	A400 Adduced water ERS A" Bottom

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6-13-18

WR-35

Rev. 8/23/13

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

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Office of Oil and Gas

JUN 18 2018

MALD

							Environmer	artment ital Prote
API <u>47</u> - 087		County ROANE	<u> </u>	District S	MITHFIELD)		
Quad LOONEYVILLE	7.5'	_ Pad Name FERF		Field/Pool	Name CLO	VER		
Farm name MAY, TIMO	OTHY D.			Well Num	_{ber} 110	_		
Operator (as registered v	vith the OOG)	H.G. ENERGY LL	С			_		
Address 5260 DuPON	IT ROAD	City PAI	RKERSBURG	State	WV	Zip	26101	
T Landing Point o	of Curve Nom Hole Nom GL	orthing 4,285,443 M orthing 4,285,234 M Type of Well rizontal	Ea Ea ■New □ Existing tal 6A □ Vertical	asting 475,638 asting 475,776 Type 6	of Report D	Interim Deep Stimul	■ Sha	_ - - llow
Type of Operation 11 Co	mven a De	epen B Dini L	Tring Dack Rec	mining o	ICEWOIK D	Stilliuk	atC	
Well Type □ Brine Disp	posal 🗆 CBM	□ Gas □ Oil ■ Sec	condary Recovery	Solution Min	ing Storag	ge □ (Other	
Type of Completion ■ 3 Drilled with □ Cable Drilling Media Surface Production hole ■ Air Mud Type(s) and Addition N/A	Rotary chole Air Mud	-		e hole 🛢 Ai	r □ Mud !	Fresh	Water □]	3rine
Date permit issued	1/8/15	Date drilling com	menced2/4/15	Dat	e drilling cea			
Date completion activitie	es began	3/23/15	_ Date completion a	ctivities cease	ed3	/26/15		
Verbal plugging (Y/N)	<u>N</u> D	ate permission grante	d	Granted	i by	· .		_
Please note: Operator is	required to sub	mit a plugging applic	ation within 5 days o	f verbal permi	ission to plug	;		
Freshwater depth(s) ft		lone	Open mine(s) (Y/N)	depths		None		
Salt water depth(s) ft		00'	Void(s) encountered	d (Y/N) deptl	hs	No		
Coal depth(s) ft	Nor		Cavern(s) encounter	red (Y/N) dep	oths	No	ne	
Is coal being mined in ar	ea (Y/N)	N				Revie	ewed by:	

WR-35 Rev. 8/23/13 Page 2_ of 4_

API 47- 087		Farm n	_{ame} MAY, TII	MOTHY D	•	We	ll number11	10
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)	Did cement circulate (Y/ l * Provide details below
Conductor	12 1/4"	11 5/8"	30'	Used	T	LS	Берш(з)	Sand In
Surface	8 3/4"	7"	506'	New		LS	64'	Y
Coal					 			
Intermediate 1								
Intermediate 2								
Intermediate 3					 			
Production	6 1/4"	4 1/2"	2631.35'	New		J-55		Y
Tubing								
Packer type and de	epth set				<u> </u>			
CEMENT	Class/Type	s to surface on 7" surf			to surface o	on 4 1/2" cement	job.	ent WOC
DATA Conductor	of Cement	of Sacks	wt (ppg		³ /sks)	(ft. ²)	Top (N	
Surface	Pog Nagt	100						
Coal	Reg Neat	130	15.6	1	.18	153	Surfa	ace 8
Intermediate 1								
Intermediate 2								
Intermediate 3								
Production	50:50 Pozmix	420/405	40.000					
Tubing	OU.OU PUZHIIX	120/125	13.2/14.	2 1.64	/1.27	197/186	50'	8
D.::11						L		
Drillers TD (ft)		la latura		Loggers TI				PECENER
Plug back proc	ion penetrated B	y ngun		Plug back t	o (ft) <u>N</u> /	١		Office of Oil and
ing oack proc	edure wa							ii iki 1 0 noz
r: 1 00 1 1				 -				JUN 18 201
Kick off depth (tt) 600'							WV Department
Check all wireli	ne logs nin	acaliper	■ dona!+-	= 1. •	1/11 -			Environmental Prote
	no rogo run	a camper neutron	density	deviated			duction	
		a nonnon	■ resistivity	■ gamma	ray	■ te	mperature	□sonic
Vell cored 🗀	Yes 🖪 No	Convention	al Sidewa	il	M.	ere auttimas	anllost-1 —	V >1
		•						Yes □ No
ESCRIBE TH	E CENTRALIZI in bottom on 4 1/2°, Centralize	ER PLACEMEN	NT USED FOR	EACH CAS	SING ST	TRING		·
		r placed mid string on 7°						
AS WELL CO	OMPLETED AS	SHOT HOLE	□Yes ■ N	o DET	'AILS _			
AS WELL CO	MPLETED OP	EN HOLE?	Yes No	DETAI	LS			
	RS USED □ Ye		TYPE OF TRA					

WR-	35
Rev.	8/23/13

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API 47- 087 - 04754 Farm name MAY, TIMOTHY D. Well number 110

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	3/23/15	2406'	2416'	40	Big Injun
				 	
-					
			 -	<u> </u>	
		·		 	
				 	
				ļ	
	<u></u>				
		<u> </u>	<u> </u>	<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	3/26/15	5	1800	2241	675	2,500	151	
								
				 		 		
-								
					•		<u> </u>	
								
<u> </u>								
	L				RECEIVE	ь —	<u> </u>	
		1	1. 1.1		RECEIVE Office of Oil a	nd Gas		

Please insert additional pages as applicable.

JUN 18 2018

WR-35 Page 4 of 4 Rev. 8/23/13 API 47- 087 _ 04754 Farm name MAY, TIMOTHY D. Well number 110 **PRODUCING FORMATION(S) DEPTHS** Big Injun RECEIVED
Office of Oil and Gas 2122'- 2150' 2382'- 2422' TVD MD JUN 18 2018 WV Department of Environmental Protection Please insert additional pages as applicable. **GAS TEST** □ Build up □ Drawdown □ Open Flow OIL TEST - Flow □ Pump SHUT-IN PRESSURE Surface Bottom Hole psi DURATION OF TEST hrs OPEN FLOW Gas Oil NGL Water GAS MEASURED BY mcfpd bpd bpd □ Estimated □ Orifice bpd □ Pilot LITHOLOGY/ TOP **BOTTOM** TOP **BOTTOM FORMATION** DESCRIBE ROCK TYPE AND RECORD QUANTITY AND DEPTH IN FT DEPTH IN FT DEPTH IN FT DEPTH IN FT NAME TVD TVD MD MD TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC) Sand/Shale 1402 1432 0 0 1402 1618 1432 1692 Sand Shale 1618 1656 1692 1738 1656 Sand 1824 1738 1738 Shale 1824 1842 1954 1954 Sand 1842 1976 1977 2168 Little Lime 1976 2036 2168 2236 **Pencil Cave** 2032 2036 2236 2240 Big Lime 2036 2104 2240 2356 Keener 2104 2122 2356 2382 Big Injun 2122 2150 2382 2422 Drilled directional S 39° E a distance of 797' Shale 2150 2333 2422 2660 TD 2333 2660 Please insert additional pages as applicable. Drilling Contractor Decker Drilling Address 11565 State Route 676 Zip 45784 State OH City Vincent Logging Company Weatherford International Address 777 North River Avenue Zip 26452 City Weston WV State Cementing Company Universal Services Zip 26201 Address Hall Rd Buckhannon City State Stimulating Company Producers Service Corp. Address 109 South Graham Street Zanesville State OH Zip 43701 City Please insert additional pages as applicable. Completed by Roger Heldman Telephone 304-420-1107 Title Operations Manager Date 4/10/15 Signature

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

FORM WW-3 (A) 1/12



1) Date:	June 7, 20	18			
2) Operato	r's Well	No.	CB Fe	rrell 110	
3) API We		47	-	087	04754
		State	11	County	Permit
ATTOD	1/ XT				

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	ner(S) To Be Served 7)	(a) Coal Operator	
(a) Name		Name NA	
Address	242 Edgle Fork Road	Address	
	Spencer, WV 25276		
(b) Name		(b) Coal Owner(S) With D	
Address		Name NA	RECEIVED
		Address	Office of Oil and Gas
	4	NT	JUN 18 2018
(c) Name		Name Address	2011 20 2010
Address		Address	WV Department of
6) Inspector	Joe Taylor 7)	(c) Coal Lessee with Decla	Environmental Protection
Address		Name NA	intition of resolu
Address	Ripley, WV 25271	Address	
Telephone	304-380-7469		
	PERSONS NAMED ABOVE: You shou		
(2) The plat ((3) The Consplan for e The date THE REASON APPLICATION THE APPLICA ACTION AT A	volved in the drilling or other work; surveyor's map) showing the well location on truction and Reclamation Plan on Form WW-trosion and sediment control and for reclamation proposed for the first injection or waste did N YOU HAVE RECEIVED THESE DOCUN WHICH ARE SUMMARIZED IN THE "IN ATION [(FORM WW-3(B)] DESIGNATED TALL. at under Chapter 22-6 of the West Virginia Couplication and accompanying documents for a	O (unless the well work is on for the site and access roadsposal is MENTS IS THAT YOU ISTRUCTIONS" ON THE TO YOU. HOWEVER YO	HAVE RIGHTS REGARDING THE REVERSE SIDE OF THE COPY OF OU ARE NOT REQUIRED TO TAKE perator proposes to file or has filed this
West Virginia Application an and Reclamation	Department of Environmental Protection, we discontinuous discontinuous discontinuous discontinuous department of Environmental Protection, with discontinuous discontinuou	ith respect to a well at the dies of this Notice, the Applified mail or delivered by the mailing or delivery to	ne location described on the attached lication, the plat, and the Construction hand to the person(s) named above (or to the Chief.
	The person signing this document		g certification:
"I certify under	penalty of law that I have personally examine	d and Well Operator	HG Energy, LLC
	th the information submitted in this document a		5260 Dupont Road
	d that, based on my inquiry of those individual		Parkersburg, WV 26101
	sponsible for obtaining the information, I belie		Diane:White
	is true, accurate and complete. I am aware the		Agent
	penalties for submitting false information, included fine and imprisonment.	Signature:	Diane White
	u.		

WW-9 (2/15)

API Number 47 - 087 - 0475	API Number	47 -	087	-	0475
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Operator's Well No. CB Ferrell 110

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

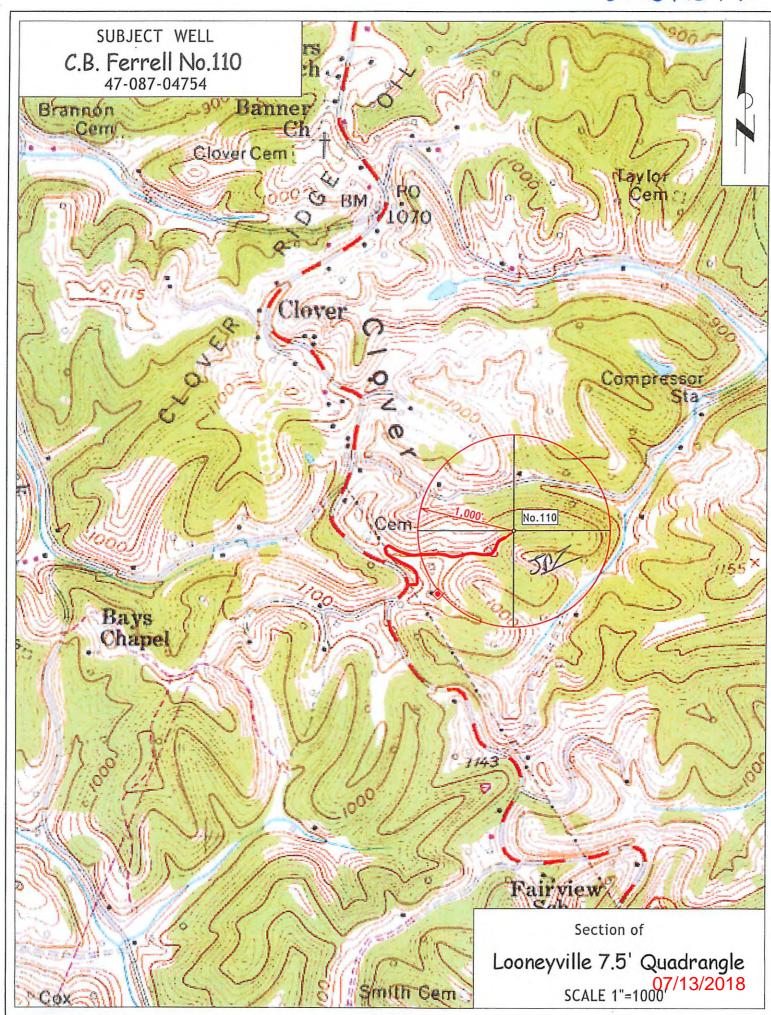
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

	DISPOSAL & RECLAMATION FLAN
	OP Code 494497948
Watershed (HUC 10) Rush Run	Quadrangle Looneyville 7.5'
Do you anticipate using more than 5,000 bbls of water to c Will a pit be used? Yes No ✓	complete the proposed well work? Yes No
If so, please describe anticipated pit waste: No	fluids are anticipated
	No If so, what ml.?
Proposed Disposal Method For Treated Pit Waste	ss:
Reuse (at API Number Off Site Disposal (Supply form	WW-9 for disposal location) RECEIVED Office of Oil and Gas JUN 18 2018
Will closed loop system be used? If so, describe: NA	
Drilling medium anticipated for this well (vertical and hor	izontal)? Air, freshwater, oil based, etc. Air, Fresh Water Environmental Protection
	c. NA
Additives to be used in drilling medium? Water, Soap, KCI	
Drill cuttings disposal method? Leave in pit, landfill, remo	oved offsite, etc. NA
and the second s	Il be used? (cement, lime, sawdust) NA
-Landfill or offsite name/permit number?	
	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
on August 1, 2005, by the Office of Oil and Gas of the We provisions of the permit are enforceable by law. Violatic law or regulation can lead to enforcement action. I certify under penalty of law that I have perso application form and all attachments thereto and that,	and conditions of the GENERAL WATER POLLUTION PERMIT issued est Virginia Department of Environmental Protection. I understand that the ons of any term or condition of the general permit and/or other applicable onally examined and am familiar with the information submitted on this based on my inquiry of those individuals immediately responsible for its true, accurate, and complete. I am aware that there are significant ossibility of fine or imprisonment.
Company Official Signature Diane White	
Company Official (Typed Name) Diane White	
Company Official Title Agent	
Subscribed and sworn before me this 7th day	of_June
Carney Book	Notary Public OFFICIAL SEAL
My commission expires 7/31/2027	STATE OF WEST VIRGINIA NOTARY PUBLIC Cassidy Boardman

Form WW-9

HG Energy, LLC	•			
Proposed Revegetation Treatr	nent: Acres Disturbed	.5	Prevegetation pl	Ŧ
Lime 3	Tons/acre or to corre	ect to pH 6.5		
Fertilizer type 10-2	0-20	- <u>-</u>		
Fertilizer amount	500	lbs/acre		
Mulch Straw	2	_Tons/acre		
		Seed Mixtures		
Ter	nporary		Perma	nent
Seed Type	lbs/acre	S	Seed Type	lbs/acre
Tall Fescue	40	Tall Fesc	cue	40
Ladino Clover	5	Ladino Cl	over	5
**Sediment Control a Attach: Drawing(s) of road, location, provided) Photocopied section of involv	pit and proposed area for	land application (unless en		
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Attach: Drawing(s) of road, location, provided) Photocopied section of involv	pit and proposed area for red 7.5' topographic sheet	land application (unless en	gineered plans in	
Attach: Drawing(s) of road, location, provided) Photocopied section of involv Plan Approved by:	pit and proposed area for red 7.5' topographic sheet	land application (unless en	gineered plans in	
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JUN 18 2018



5260 DuPont Road

Parkersburg, WV 26101

ADDRESS

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