

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

Tuesday, April 12, 2022 WELL WORK PERMIT Vertical / Re-Work

HG ENERGY, LLC 5260 DUPONT ROAD PARKERSBURG, WV 26101

Re: Permit approval for CARR-NICHOLS 102

47-087-04747-00-00

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. Mart Chief

Operator's Well Number: CARR-NICHOLS

Farm Name: MCCLAIN, JOHN R. & KEAT

U.S. WELL NUMBER: 47-087-04747-00-00

Vertical Re-Work

Date Issued: 4/12/2022

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.
- 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: 01	/07/2022					
2) Operator's	Well No.		Can	Nichols 102		
3) API Well N	0.:	17		Roane	are:	04747
		State		County		Permit
4) UIC Permit	No.	2R087	00000	5AP		

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

	District:	Smithfie	ld		Cor	unty Roane		Quadran	gle Looneyville 7	,5'	
) WELL OPERA					15.00	8) DESIGNA	TED AGE				
		60 Dupont F			_	Address 5260 Dupont Road					
Add	The second second	rkersburg, \			_	Parkershurn WV 26101 RECEIVED					
OIL & GAS IN				ED	_	10) DRILLING CONTRACTOR Office of Oil and Ga					
Jame Joe Tay		CIODE	NOTH			Name JAN 2 8 202					
	aylick Road	A	1/			Address			JAN	A O LULI	
	WV 25271	3)	-		_				110/5	epartment	
1) PROPOSED V				hysical o		/ Perfo	/ Recorate new for	rmation	/ Environn Stimu Con	vert	
2) GEOLOGIC T	FARGET	FORMA	TION Big	j Injun		Depth		Feet (top)) to 2538' I	eet (botton	
3) Estimated Dep								Feet			
4) Approximate	water strat	ta depths:	Fre	sh NA		Feet	Salt	1775'	Feet		
5) Approximate			NA								
6) Is coal being r	mined in th	ne area?	Yes		No						
7) Virgin reserve	oir pressur	e in targe	t formation	on 1250	psig	Source	Estimated				
							_			(m.r.man)	
8) Estimated rese 9) MAXIMUM I	ervoir frac PROPOSE DENTIFIC	ture pres ED INJEC CATION	Sure 269 CTION O OF MA	50 PERAT FERIAL	IONS: V	Volume per hou NJECTED, IN	ir 25 BBL CLUDING		nole pressure	g (BHFP) 2400 psi Produced wate	
8) Estimated rese 9) MAXIMUM I 0) DETAILED I bactericides, and of 1) FILTERS (IF	ervoir frac PROPOSE DENTIFIO ther chemicals ANY) C	ture pres ED INJEC CATION s as needed artridge filte	Sure 265 CTION O OF MAT to maintain v	PERATI TERIAL water qualit	IONS: V S TO BE I y and improve	Volume per hou NJECTED, IN oil recovery.	CLUDING	ADDITIVE	nole pressure	2400 psi	
8) Estimated rese 9) MAXIMUM I 0) DETAILED I bactericides, and of 1) FILTERS (IF 2) SPECIFICAT	ervoir frace PROPOSE DENTIFIC ther chemicals ANY) _C TONS FO	ture pres ED INJEC CATION is as needed artridge filte R CATH	SUPE 288 CTION O OF MAT to maintain v rs ODIC PR	PERATI TERIAL water qualit	IONS: V S TO BE I y and improve	Volume per hou NJECTED, IN oil recovery.	CLUDING	ADDITIVE	nole pressure	2400 psi	
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8) Estimated rese 9) MAXIMUM I 0) DETAILED I bactericides, and of 1) FILTERS (IF 2) SPECIFICAT 3) CASING AND CASING OR TUBING TYPE Conductor resh Water coal intermediate reduction libing	ervoir frac PROPOSE DENTIFIC ther chemicals ANY) _C TONS FO TUBING F Size 11 5/8" 7"	ture pres ED INJEC CATION S as needed artridge filte R CATH PROGRAM SP Grade LS LS J-55	SURE 268 CITION O OF MAT to maintain v rs ODIC PR M ECIFICATI Weight per ft. NA 17	PERATI PERIAL Water qualit OTECT ONS New	IONS: V S TO BE I y and improve ION AND Used	Volume per hou NJECTED, INC oil recovery. OTHER COR FOOTAGE IN For Drilling 30' 562'	ROSION CONTERVALS Left In Well 30' 562'	CONTROL CEMENT FILL - UP OR SACKS (CU. FT.) CTS	PACI Kinds Ten Sizes 2 3/8 Depths set	2400 psi Produced wate CERS sion	
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State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API 47 - 087	04747	County ROANE		District_SN	IITHFIEL	D	
Quad LOONEYVILLE		Pad Name CARR	-NICHOLS	Field/Pool	Name CLC	OVER	
Farm name MCCLAIN,				Well Numl			
Operator (as registered v	with the OOG)	I.G. ENERGY LLC	;				
Address 5260 DuPON	IT ROAD	City PAR	KERSBURG	State	WV	Zip 2	26101
As Drilled location N		Attach an as-drilled	l plat, profile vic	w, and deviation: Easting 475,123			
		rthing 4,285,478 M		Easting Toylor			
Landing Point of Botto	m Hole No	rthing 4,285,555 M		Easting 474,860			
			Te 10 5 10			gw 15.11	man . I
Elevation (ft) 1,114'	GL	Type of Well	iNew □ Existin	g Type o	f Report	lnterim	armai
Permit Type 🛮 Devi	ated 🛭 Hori	zontal Horizont	al 6A 🗆 Vert	ical Depth	Туре	Deep	■ Shallow
Type of Operation D Co	onvert Dee	pen A Drill 🗆	Plug Back 🛛	Redrilling []	Rework 1	□ Stimula	te
Well Type □ Brine Dis					ing 🗆 Stora	age 🗆 O	ther
Type of Completion B		le Fluids Produc	ed DBrine i	JOHS HINGL	HOII L	omer_	
Drilled with □ Cable	■ Rotary						
Drilling Media Surface	halo BAir	n Mud BErech Wat	ar Interme	diate hole Air	n Mud	₽ Fresh \	Water Brine
Production hole Air							
Mud Type(s) and Addit		TOOL TI GOOD TO SOME					
N/A	(ve(s)						
	44147144	A 3 45 A 17 A 1	12/2	2/1/		200	12/31/14
Date permit issued		Date drilling comm	enced	Date	drilling ce		,2,0,1,1
Date completion activities							
Verbal plugging (Y/N)	N Da	te permission granted		Granted	by		
						2	
Please note: Operator is	required to subr	nit a plugging applica	tion within 5 day	s of verbal permi	ssion to plu	g	
Freshwater depth(s) ft	N	one	Open mine(s) ((/N) depths		None	
Salt water depth(s) ft	177	75'		ered (Y/N) depth	ıs	Non	ie
Coal depth(s) ft	Non			intered (Y/N) dep		No	ne
Is coal being mined in a		N	on, ormital and or	mark fore A gel			
is coal being inned in a	ru (1/11)		-			Davis	wad bar

WR-35 Rev. 8/23/13				· .				Page 2 of 4.
API 47-087	04747	Farm name	ACCLAIN, JO	OHN R. & KE	ATON Well	number 102		
CASING STRINGS	Hole Size	Casing Size I		w or Grad	•	Basket Depth(s)		nent circulate (Y/N) de details below*
Conductor				Jsed	LS	· opan(o)		Sand In
Surface	8 3/4"			New	LS	64'		N
Coal								•
Intermediate 1								
Intermediate 2		·						
Intermediate 3 .								
Production	6 1/4"	4 1/2" 25	76.4'	New	J-55			Υ
Tubing								
Packer type and d	epth set			•				
Comment Details Grouted w/ Est. 25 sks to surface on 7" surface cement job. Circulated Est. 35 sks to surface on 4 1/2" cement job. CHARDYT Class/Type Number Sturry Yield Volume Cement WOC								
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ²)	Top (M		(hrs)
Conductor								
Surface	Reg Neat	140	15.6	1.18	165	Surfac	е	8
Coal								
Intermediate 1	<u> </u>	ļ						· · · · · · · · · · · · · · · · · · ·
Intermediate 2						· ·		
Intermediate 3			-	4.0444.07	400400	40'		8
Production	50:50 Pozmix	110/125	13.2/14.2	1.64/1.27	180/186	+0		
Tubing		<u> </u>	L	<u> </u>	<u></u>		1	
Drillers TD (ft	2631'		Log	ggers TD (ft) 2	631'			
	tion penetrated Big	injun	Plu	g back to (ft) <u></u>	WA			
Plug back pro	cedure N/A							<u> </u>
Kick off depth	(ft) <u>550'</u>	· ·	•	-				
Check all wire	line logs run	-		deviated/direction gamma ray		duction mperature	□soni	c
Well cored		Conventional			Were cuttings			
DESCRIBE TI 20 Centralizers every 83 (HE CENTRALIZE rom bottom on 4 1/2*, Centralizer	R PLACEMENT U	JSED FOR EA	ACH CASING	STRING		 _	
						·		
								<u></u>
WAS WELL O	COMPLETED AS	SHOT HOLE	Yes 2 No	DETAILS				
WAS WELL C	WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS							
WERE TRACE	VERE TRACERS USED							



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APT	47-087	_	04747
TILI	4/-	_	

Farm name MCCLAIN, JOHN R. & KEATON Well number 102

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	2/4/15	2524'	2532'	32	Big Injun
-	Zi ii io				
				·	
-					12
-	-				
					-
		,			

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	2/10/15	5	494	1035	312	2,500	150	
	2/10/10							
		-						
			-					
			- V				3.5	
				-				
_								-
						-		
							1	
	Y							

Please insert additional pages as applicable.



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API 47- 087	_ 04747	Farn	name MCCLA	N, JOHN	R. & KEATO	N Well n	umber_	102		
					-					
PRODUCING	FORMATIO	<u>v(S)</u>	DEPTHS							
Big Injun			2182'- 2198'	TVD	2507'- 2538'	MD				
Please insert ac	Iditional page	s as applicable.								
GAS TEST	n Build up	□ Drawdown	□ Open Flow		OIL TEST D	Flow D	Pump			
SHUT-IN PRE	SSURE S	ırface	_psi Botto	m Hole	psi	DURAT	ION O	F TEST	hrs	
OPEN FLOW	Gas m	Oil ncfpd	NGL bpd		Water bpd	GAS M	EASUI	RED B	Y ice □Pilot	
LITHOLOGY/	ТОР	воттом	ТОР	BOTTON						
FORMATION	DEPTH IN F	DEPTH IN F	T DEPTH IN FT MD	DEPTH IN MD					QUANTITYAND IE, OIL, GAS, H₂S, I	ETC)
Sand/Shale	NAME TVD	998	0	1004						
Sand	998	1112	1004	1119						
Shale	1112	1200	1119	1211						
Sand	1200	1288	1211	1309						
Shale	1288	1716	1309	1768						
Sand	1716	1992	1768	2182						
Little Lime	1992	2018	2182	2232						
Pencil Cave	2018	2026	2232	2246						_
Big Lime	2026	2155	2246	2463						
Keener	2155	2182	2463	2507						
Big Injun	2182	2198	2507	2538		Orilled direc	tional S	69° E a	distance of 877'	
Shale	2198	2268	2538	2631						
TD	2268		2631							
Please insert a	dditional page	s as applicable.								
Drilling Contr	actor Decker I	Drilling							Wester	
Address 11565	State Route 67	6	City	Vincent		State	OH	_Zip	45784	
Logging Comp	pany Weather	ford Internationa	J	Maclas		04-4	wv	7:	26452	
Address 777 N	lorth River Avenu	16	City	Weston	_	State	7	_ zip		
Cementing Co	Unive	rsal Services								
Address Hall F	Id		City	Buckhann	ion	State	WV	_Zip	26201	_
Audioss The F		A 100 100 100								
Stimulating C		ducers Service (ter.			OH	171	43701	
Address 109 S	outh Graham St	reet	City	Zanesville	2	State	011	_ Zip	1414	
Please insert a	dditional page	es as applicable								
	Roger Helds	man .			Telephon	e 304-420	-1107			. 1
Completed b	A Proger rieidi	10/10	Title C	Operations M	lanager		Date 2	/18/15		
Signature	1 m	, and	THE	* 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
Submittal of I	Iydraulic Frac	turing Chemica	al Disclosure Info	ormation	Attach copy	ofFRAC	FOCUS	Regist	try	

FORM WW-3 (A) 1/12



1) Date:	January	7, 2022				
2) Opera	ator's Well	No.	Carr N	chols 102		
3) API \	Well No.:	47	- 2	087	-	04747
		State		County	3.11	Permît
4) UIC P	ermit 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,

(a) Name	vner(S) To Be Served 7) (a) Coal Operator 	
		Name NA	
Address	7 Too didy Heat	Address	
(I-X NIessa e	Spencer, WV 25276	b) Coal Owner(S) With D	eclaration Of Record
(b) Name Address		Jame NA	RECEIVED
Address		Address	Office of Oil and Class
			JAN 2 8 2022
(c) Name		Name Address	UNIT # 0
Address		tudiess	WV Department
6) Inspector	Joe Taylor 7) (c) Coal Lessee with Decl	aration Of Record
Address		Name NA	
32.4-14.49		Address	
Telephone	304-380-7469		
THE REASO	e proposed for the first injection or waste dis IN YOU HAVE RECEIVED THESE DOCUM IN WHICH ARE SUMMARIZED IN THE "IN PATION [(FORM WW-3(B)] DESIGNATED TO	MENTS IS THAT YOU STRUCTIONS" ON THI	E REVERSE SIDE OF THE COPY OF
ACTION AT		o 100. HOWEVER I	of me nor abgoness to mine
TECTION	ALL,		
Take notice the Notice and A West Virginia Application at and Reclamat	nat under Chapter 22-6 of the West Virginia Code pplication and accompanying documents for a Variation and accompanying documents for a Variation of Environmental Protection, with a depicted on the attached Form WW-6. Copie ion Plan have been mailed by registered or certain in certain circumstances) on or before the day of	Well Work Permit with the h respect to a well at the es of this Notice, the App fied mail or delivered by	ne Chief of the Office of Oil and Gas, the location described on the attached lication, the plat, and the Construction thand to the person(s) named above (or
Take notice the Notice and A West Virginia Application at and Reclamat	nat under Chapter 22-6 of the West Virginia Code pplication and accompanying documents for a Van Department of Environmental Protection, with a depicted on the attached Form WW-6. Copie ion Plan have been mailed by registered or certification.	Well Work Permit with the respect to a well at the softhis Notice, the Applied mail or delivered by a the mailing or delivery to	ne Chief of the Office of Oil and Gas, the location described on the attached lication, the plat, and the Construction thand to the person(s) named above (or to the Chief.
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Take notice the Notice and A West Virginia Application a and Reclamate by publication. "I certify under am familiar wattachments as immediately r	nat under Chapter 22-6 of the West Virginia Code pplication and accompanying documents for a Variation of Environmental Protection, with a Department of Environmental Protection, with a depicted on the attached Form WW-6. Copie ion Plan have been mailed by registered or certain in certain circumstances) on or before the day of The person signing this document at penalty of law that I have personally examined ith the information submitted in this document are duty that I have personally examined in that, based on my inquiry of those individuals esponsible for obtaining the information, I believ	Well Work Permit with the respect to a well at the softhis Notice, the Applied mail or delivered by the mailing or delivery to shall make the following and Well Operator and Address The that By:	ne Chief of the Office of Oil and Gas, ne location described on the attached lication, the plat, and the Construction hand to the person(s) named above (or o the Chief. Generally, LLC 5260 Dupont Road
Take notice the Notice and A West Virginia Application and Reclamate by publication. "I certify under am familiar wattachments a immediately rethe information."	nat under Chapter 22-6 of the West Virginia Code pplication and accompanying documents for a Van Department of Environmental Protection, with a depicted on the attached Form WW-6. Copie ion Plan have been mailed by registered or certiful in certain circumstances) on or before the day of The person signing this document star penalty of law that I have personally examined ith the information submitted in this document and that, based on my inquiry of those individuals	Well Work Permit with the respect to a well at the soft this Notice, the Applied mail or delivered by the mailing or delivery to shall make the following and Well Operator and Address The that By: There Its:	ne Chief of the Office of Oil and Gas, ne location described on the attached lication, the plat, and the Construction hand to the person(s) named above (or o the Chief. g certification: HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101



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

January 7, 2022

Derek W. Gibson 4160 Clay Road Spencer, WV 25276

RE:

Carr Nichols No. 102

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

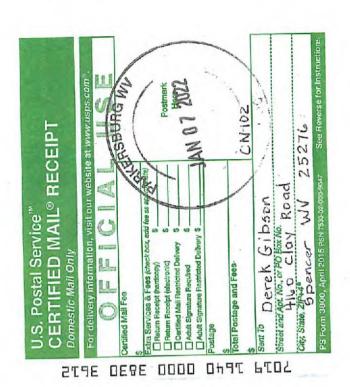
Diane C. White

RECEIVED Office of Oil and Gas

JAN 28 2022

WV Department of Environmental Protection

Enclosures



RECEIVED Office of Oil and Gas

JAN 28 2022

WV Department of Environmental Protection

		SURFACE	OWNER WAIVER	
County	Roane		perator perator well number	HG Energy, LLC Carr Nichols 102
	INSTRUCT	TONS TO SURFACE C	OWNERS NAMED ON	PAGE WW2-A / 3A
(Note: If the s name appeare you may be the work permits a	urface tract is owned on the Sheriff's to the only owner who ware valid for 24 monor immediately if you NOT	ed by more than three play ticket on the land owill actually receive the this. If you do not own a	persons, then these many persons, then these materials.) See Chany interest in the surfallease notify the well op QUIRED TO FILE ANY	t from the State to do oil or gas well work aterials were served on you because you occupy the surface tract. In either case napter 22 of the West Virginia Code. We ace tract, please forward these materials to erator and the Office of Oil and Gas. COMMENT.
Chief, Office of	of Oil and Gas		•	
Department of	f Environmental Pro	tection		
601 57 th St. St. Charleston, W				
operator files be filed in per be sure of th handling. If y the planned well operator's from the appli The C 1) T 2) T 3) D 4) T 5) T If you request a co	his Application. You son or received in the date. Check will ou have been contained to the described in the ments must be in the ments must be in the cation. You may at the proposed well we he soil erosion and damage would occur the proposed well we he applicant has contained to the rules proposed well we he applicant has contained to the rules proposed well we he applicant has contained to the rules proposed well we he applicant has contained to the rules proposed well well applicant has contained to the rules are rules and the rules are rules are rules and the rules are rules are r	the mail by the Chief's of the mail by the Chief's of the your postmaster to octed by the well operates materials, then the pwriting. Your commermber and the approximate of the your documents, such to deny or condition a work will constitute a haz sediment control plan is to publicly owned land ork fails to protect freshommitted a substantial mulgated under Chaptes the permit as it is issuaboratories. The Officiter quality prior to and a	office by the time stated ensure adequate deliver and you have signed bermit may be issued and the mass of the property of the safety of person and the safety of person adequate or effects or resources; water sources or supply violation of a previous or 22, and has failed to the maintains a list of water drilling. Contact the	name, address and telephone number, the bosed well site including district and count or photographs to support your comments on comments on the following grounds: sons. tive; lies; permit or a substantial violation of one cabate or seek review of the violation". e order denying the permit, you should atter testing laboratories which you can hir the Chief to obtain a copy.
¥		VOLUNTARY STAT	'EMENT OF NO OBJE	<u>CTION</u> hat I have received copies of a Notice an
Application for work order or as described I furth	or a Well Work Perm n Form WW-2B / 3A therein.	nit on Form WW2-A / 3/ , a survey plat, and a so no objection to the plar	A, and attachments cor oil and erosion plan, all	nsisting of pages 1 through including for proposed well work on my surface lan these materials, and I have no objection t
FOR EXECU	TION BY A NATUR	AL PERSON	FOR EX	KECUTION BY A CORPORATION, ETC.
		Date	Company Name	RECEIVED Office of Oil and Gas
	Signature		Ву	JAN 2 8 2 022 Date
04747	·		Its	
	Print Name			WV Department or Environmental Protection

500

Date

Signature

WW-9 (2/15)

API Number 47	_ {	37	- 04747
Operato	r's Y	Well No.	Carr Nichols 102

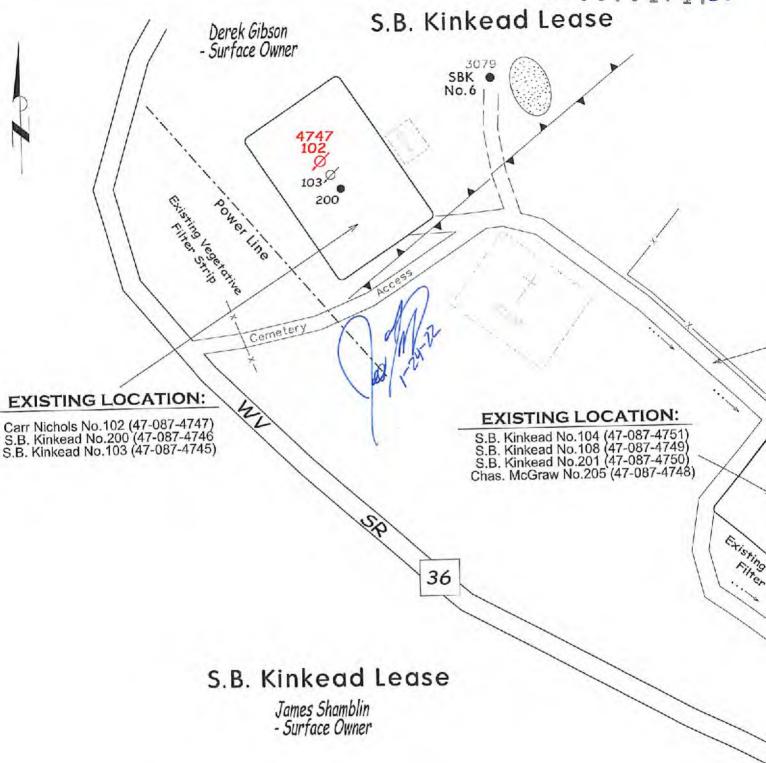
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS	S DISPOSAL & RECLAMATION PLAN	
Operator Name HG Energy, LLC	OP Code 494497948	
Watershed (HUC 10) Rush Run	Quadrangle Looneyville 7.5'	
Do you anticipate using more than 5,000 bbls of water to Will a pit be used? Yes No V	complete the proposed well work? Yes No	, <u>V</u>
If so, please describe anticipated pit waste: N		
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?	
Proposed Disposal Method For Treated Pit Was	stes:	
Reuse (at API Number	Permit Number	
Other (Explain_No waste anti-	cipated, should there be any fluids they'll be hauled for dispos	RECEIVED
11.		Office of Oil and Gas
Will closed loop system be used? If so, describe: No		JAN 2 8 2022
Drilling medium anticipated for this well (vertical and he	orizontal)? Air, freshwater, oil based, etc. NA	WV Department of
-If oil based, what type? Synthetic, petroleum,	etc. NA	Environmental Protection
Additives to be used in drilling medium? NA		
Drill cuttings disposal method? Leave in pit, landfill, re-	moved offsite, etc. NA	
-If left in pit and plan to solidify what medium		
-Landfill or offsite name/permit number? NA	1	
Permittee shall provide written notice to the Office of Oi West Virginia solid waste facility. The notice shall be prwhere it was properly disposed.	il and Gas of any load of drill cuttings or associated was rovided within 24 hours of rejection and the permittee sh	te rejected at any nall also disclose
on August 1, 2005, by the Office of Oil and Gas of the V provisions of the permit are enforceable by law. Viola	tions of any term or condition of the general permit an resonally examined and am familiar with the informati t, based on my inquiry of those individuals immediation is true, accurate, and complete. I am aware that possibility of fine or imprisonment.	I understand that the d/or other applicable on submitted on this ately responsible for
Company Official (Typed Name) Diane White		
Company Official Title Agent		
Company Official Title		
Subscribed and sworn before me this 7th da	ny of	502
	Notary Public Too	OFFICIAL SEAL
My commission expires 7 31 2022	Notaly Public	STATE OF WEST VIRGINIA NOTARY PUBLIC CASAPY A SPARODA 5301 13th Ave Vienna, WV 26105 My Commission Expires July 31, 201

Operator's Well No. Carr Nichols 102

roposed Revegetation Treatm	nent: Acres Disturbed 0	.1 Prevegetation p	Н
Lime3	Tons/acre or to correc	ct to pH 6.5	
Fertilizer type 10-	20-20		•
Fertilizer amount	500	lbs/acre	
Mulch Straw	2	Tons/acre	
	P.		
		Seed Mixtures	27.00
Ten	iporary		anent
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	
Ladino Clover	5	Ladino Clover	5
Attach: Orawing(s) of road, location, provided)	pit and proposed area for	land application (unless engineered plans in	ncluding this info have be
** Sediment Control Attach: Drawing(s) of road, location, provided) Photocopied section of involv Plan Approved by:	pit and proposed area for	land application (unless engineered plans in	- F
Attach: Drawing(s) of road, location, provided) Photocopied section of involv	pit and proposed area for	land application (unless engineered plans in	
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4708704747SP



Notes:

- REQUESTED PERMIT IS FOR RECOMPLETION OF AN EXISTING WELL.
- Access roads are existing and will be maintained to WVDEP standards.
- NO EARTHWORK IS ANTICIPATED FOR REQUESTED WELL WORK
- No pit will be required for requested well work.
- ANY DISTURBED AREAS WILL BE RE-VEGETATED AS OUTLINED ON FORM WW-9.
- MAINTAIN SEDIMENT BARRIERS AND DRAINAGE STRUCTURES.
- DRAWING NOT TO SCALE.

RECEIVED Office of Oil and Gas

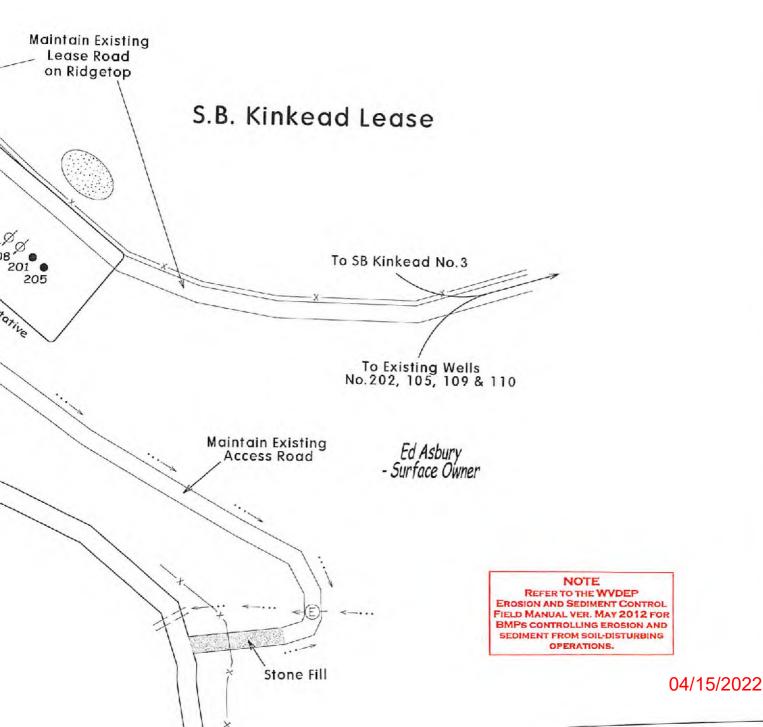
JAN 28 2022

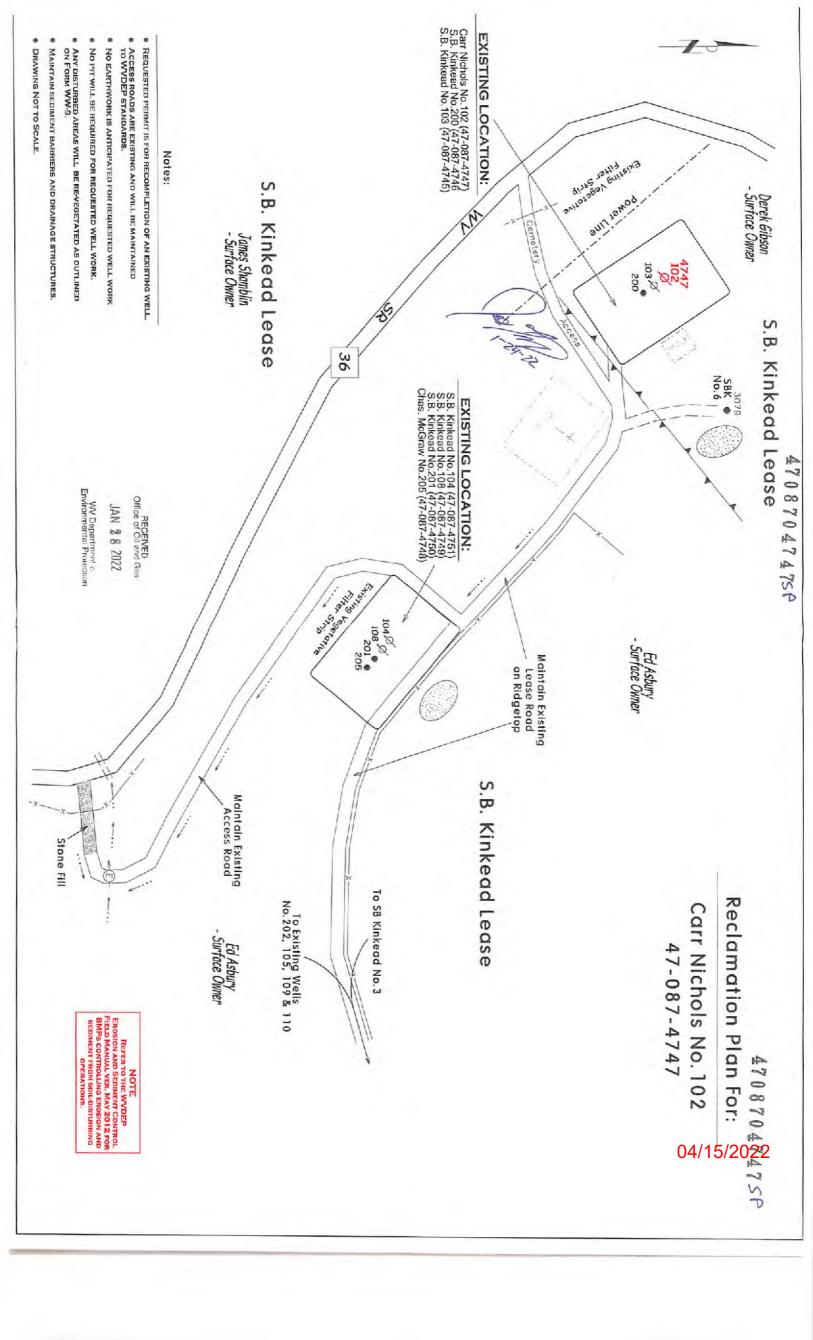
WV Department of Environmental Protection

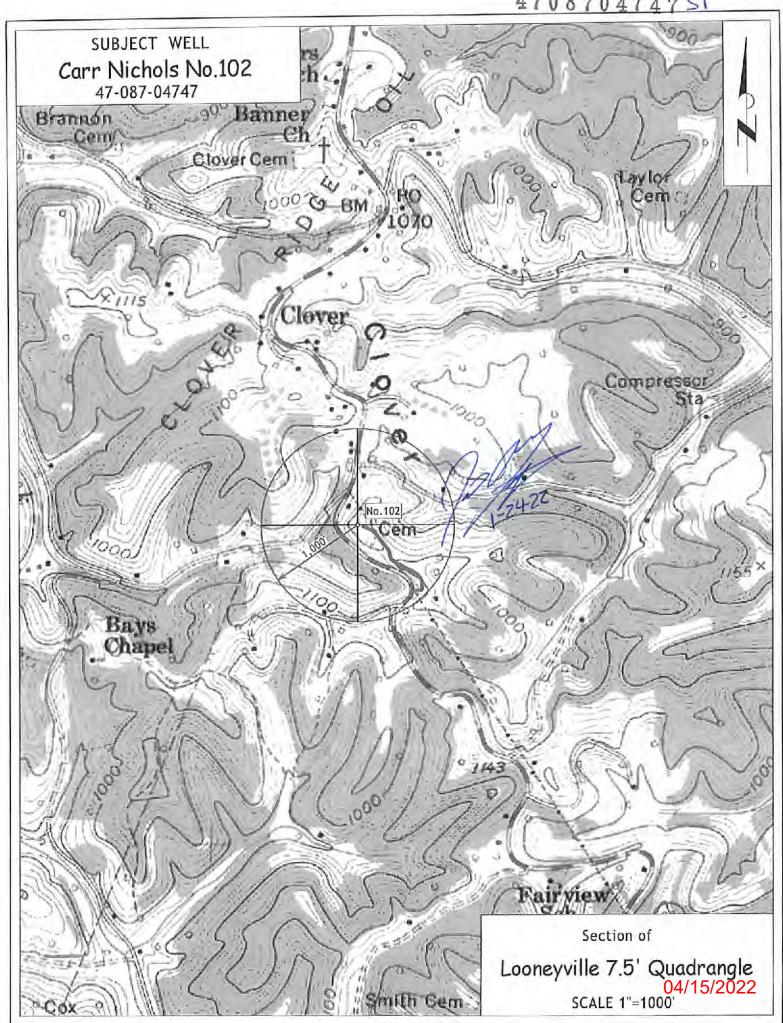
Reclamation Plan For:

Carr Nichols No. 102 47-087-4747

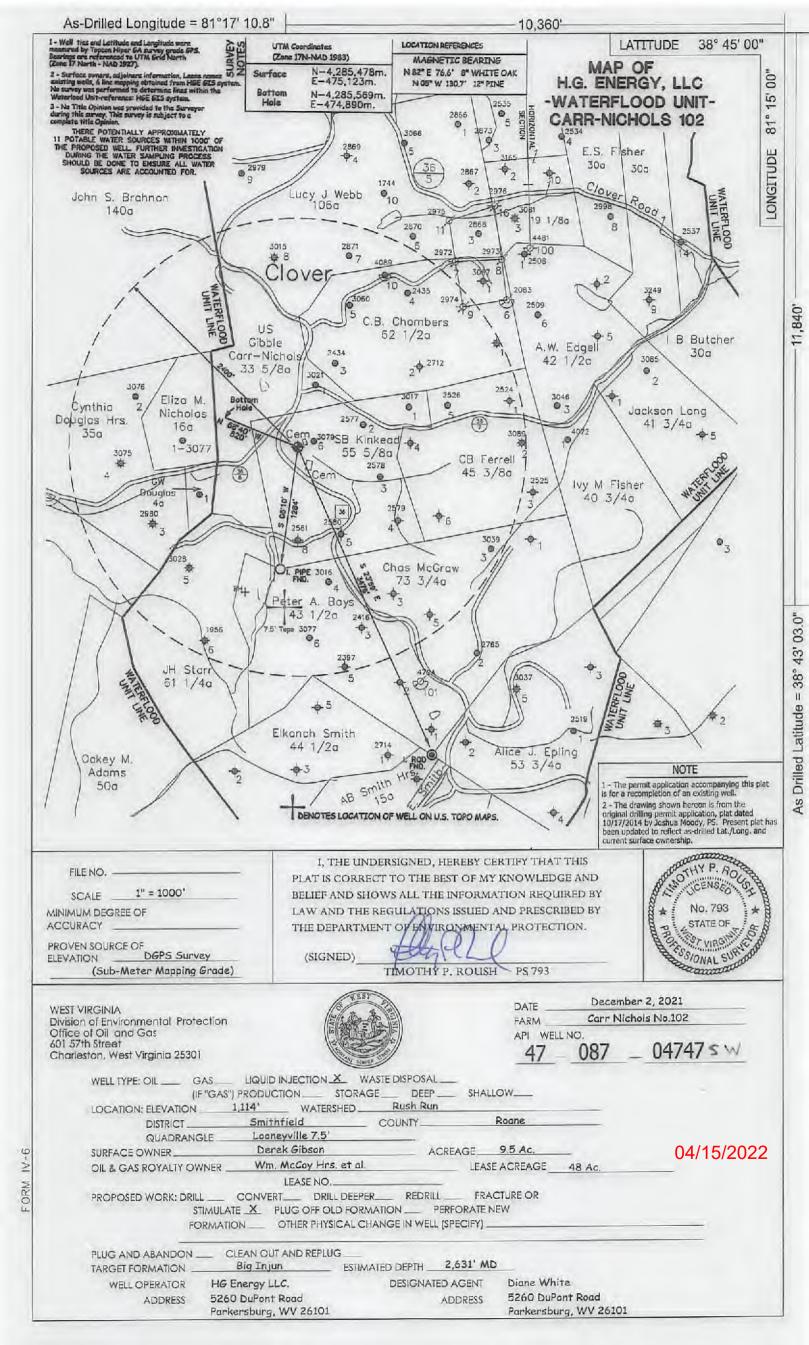
Ed Asbury - Surface Owner







Drilled Latitude = 38° 43' 03.0"





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

January 7, 2022

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

JAN 28 2022

WV Department of Environmental Protection

RE:

Carr Nichols No. 102 (API 47-087-04747) 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:

Derek W. Gibson – Certified Joe Taylor – Inspector



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

Re-Work/Fracture Vertical Well Work Permit (API: 47-087-04747 & 04755)

1 message

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

Tue, Apr 12, 2022 at 7:51 AM

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

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

47-087-04747 - CARR-NICHOLS 102 47-087-04755 - C B FERRELL 105

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

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

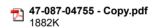
Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

4 attachments







IR-26 Blank.pdf 169K