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

API 47 - 043 - 03602 County LIN	COLN	strict DUVAL	
Ouad GRIFFITHSVILLE 7.5' Pad Name N	MASON & TACKETT Fig	eld/Pool Name	RIFFITHSVILLE
Farm name RUSSELL & KATHRYN WRIGHT Operator (as registered with the OOG) H.G. ENERG	W	ell Number 518	
Operator (as registered with the OOG) H.G. ENERGY	Y LLC		
Address 5260 DuPONT ROAD City	PARKERSBURG	State WV	Zip 26101
As Drilled location NAD 83/UTM Attach an as- Top hole Northing 4,233,101 Landing Point of Curve Northing Bottom Hole Northing 4,233,011 Elevation (ft) 1,006' GL Type of W Permit Type Deviated Horizontal Horizontal	Easting M Easting ell New Existing	415,640 M 415,531 M Type of Report	
			-
Type of Operation □ Convert □ Deepen ■ Drill			
Well Type □ Brine Disposal □ CBM □ Gas ■ Oil □	Secondary Recovery Solut	ion Mining Sto	orage Other
Type of Completion ■ Single □ Multiple Fluids P Drilling Madie Symfous halo ■ Adie □ Made ■ Seath			
Drilling Media Surface hole ■ Air □ Mud ■ Fresh Production hole ■ Air □ Mud □ Fresh Water ■ 1		RECE	
Mud Type(s) and Additive(s)	SFIRE	Office of C	
N/A		MAR'0	3 2022
		mr.i.i	V 2004
4/24/20	11/20/21	WV Depa	artment of tail Protection 42/2/24
Date permit issued 4/24/20 Date drilling of		Environment Date drilling of	tai Protection 12/3/21
Date completion activities began 12/21/21	Date completion activitie	Environment Date drilling of	tar Protection 12/3/21 ceased 1/5/22
	Date completion activitie	Environment Date drilling of	tar Protection 12/3/21 ceased
Date completion activities began 12/21/21	Date completion activities	Environment Date drilling of the control of the con	tal Protection 12/3/21 ceased 1/5/22
Date completion activities began12/21/21 Verbal plugging (Y/N) N Date permission grader plugging approximately pluggin	Date completion activities	Environment Date drilling of the second seco	tal Protection 12/3/21 ceased 1/5/22 lug
Date completion activities began12/21/21 Verbal plugging (Y/N) N Date permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appears to submit a plugging appear of the permission graduate plugging appear of the pe	Date completion activities anted for the plication within 5 days of verba	Environment Date drilling of the second control of the second cont	tal Protection 12/3/21 teased 1/5/22 lug None None
Date completion activities began	Date completion activities anted	Environment Date drilling of the second seco	tal Protection 12/3/21 ceased 1/5/22 lug

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Rev.	8/23/13

API -	₄₇₋ 043 ₋	03602	Farm name_RUSSELL & KATHRYN WRIGHT	Well number	518

CASING	Hole	Casing		New or	Grade	Basket	Did cement circulate (Y/N
STRINGS	Size	Size	Depth	Used	wt/ft	Depth(s)	* Provide details below*
Conductor	15"	13 3/8"	19'	New	LS		Sand In
Surface	8 3/4"	7"	586.97'	New	LS	64'	N
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	6 1/4"	4 1/2"	2700.48'	New	LS		Y
Tubing							
Packer type and de	epth set		-L	1			

Comment Details Did not circulate Cement to surface, Ran Radial Bond log, TOC @ 5', grouted to Surface. Circulated Est. 35 sks to surface on 4 1/2" cement job.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³/sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	Reg Neat	170	15.6	1.18	201	Surface	8
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	50:50 Pozmix	115/125	13.2/14.2	1.64/1.27	189/159	224'	8
Tubing							

Drillers 1D (ft) 2/50			Loggers TD (It) 2750			
Deepest formation penetrated Be	rea		Plug back to (ft) N/A	RECEIVED		
Plug back procedure N/A					Office of Oil and Gas	
Kick off depth (ft) 650'					MAR 0 3 2022	
Check all wireline logs run	a caliper neutron	density resistivity	deviated/directional gamma ray	induction temperature	WV Department of Environmental Protection □sonic	
Well cored □ Yes ■ No	Conventio	nal Sidew	rall Were cu	ittings collected	■ Yes □ No	
DESCRIBE THE CENTRALIZE 10 Centralizers every 88 from bottom on 4 1/2", Centralizer			CEACH CASING STRIN	G		
WAS WELL COMPLETED AS	SHOT HOLE	□ Yes 📕	No DETAILS			
WAS WELL COMPLETED OPI	EN HOLE?	□ Yes 📱 No	DETAILS			
WERE TRACERS USED - Ye	es 📕 No	TYPE OF TR	ACER(S) USED			

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API 47- 043 _ 03602

Farm name_RUSSELL & KATHRYN WRIGHT_Well number_518

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	12/21/21	2547'	2557'	40	Berea
$\overline{}$					
-					

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	1/5/22	10.7	1375	2418	1187	5000	164	250 gals HCL
-				-				
-							l	
_				-		-		
							RECEIV	ED
							Office of Oil	
							Office of Office	IIM WIMW
							MAR 03	2022
							MIMIN 0 0	2022

Please insert additional pages as applicable.

WV Department of Environmental Protection

Title Operations Manager

Signature

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

Date 2/24/22



HG Energy, LLC 5260 DuPont Rd Parkersburg, WV 26101

Invoice

P.O.# Inv. Date Invoice #

12050 1/5/2022 12187

Job Date DUE DATE 1/5/2022 2/4/2022

		n			4	
API#	Lease	Well#	State	County	Stages	Terms & Type
	Mason Tackett	518	wv	Lincoln	1	Oil/Gas

Description	Quantity	Unit Price	Amount
Pump Truck Charge (#134)	1	16.000.00	110,000,00
Blender Truck Charge (#209)	1	14.000.00	14,000.00
Control Van Charge (#710)	1	4,500 (0)	4,500,00
Acid Truck Charge (#507)	1	S DOO DO	5.000.00
Acid HCL 15%	250	(n 13,	157,59
AI-600 - Acid Inhibitor (in acid)	1	15.94	13.94
ICA 400 - Iron Sequestering Agent (in acid)	1	11,56	111.56
Sand: Bulk 20/40 API/100 LB (#626)	50	4.50	225.00
AP-1 - Oxidizing Breaker	10	1.38	13,80
Pro Gel 4.0L - Liquid Guar	30	9.75	292.60
BXL 10C - Crosslinker	10	14.72	147,20
BXL-A - Breaker Activator	10	12.06	120,60
Pro CLA Firm LP - Clay Control	10	10.91	109 10
Pro Flo II - Surfactant	10	10.41	104.16
BioClear 1000 - Dry Biocide	1	88.8	E 68
DISCOUNT FOR PAYMENT WITHIN TERMS	1	523, H0.00	-23 750,00
NON DISCOUNTED ITEMS			and the
Mileage (5 Trucks @ 200 miles/way)	2,000	\$240	4.200.00
Fuel Surcharge (Per Stage Under 1 Hr)	1	\$ 25,00	\$25,00
		And the second s	EIVED Dil and Gas
		i i	
		MAR'0	3 2022
		WV Depa Environment	artment of al Protection
hank you for your business.		Γotal	\$22,478 91

Terms are Net 30, based on the job completion date. Balances not paid after 30 days are subject to a monthly 1.5% service charge in addition to the Non Discounted total amount due.

Balance Due

