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04/15/2022

WR-35 Rev. 8/23/13

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

API 47 - 087	04745	County ROANE		District SMITHFI	ELD	4-	
API <u>47</u> - 007 Quad LOONEYVILLE	7.5'	Pad Name KINKE	AD, S.B.	_ Field/Pool Name _	CLOVER		
Farm name MCCLAIN,	JOHN R. & K	EATON	44 8	Well Number 10	3		
Operator (as registered v	ith the OOG	H.G. ENERGY LLC					
Operator (as registered v Address 5260 DuPON	T ROAD	City PAR	KERSBURG	State WV	Zip _20	6101	
Landing Point of	f Curve No	Attach an as-drilled orthing 4,285,475 M orthing 4,285,549 M	Ea	asting 475,173 M			
Elevation (ft) 1,114'			New Existing	Type of Repo	rt Interim		
Permit Type 📱 Devi	ated Hor	izontal Horizont	al 6A D Vertical	Depth Type	Deep	■ Shallow	
Type of Operation □ C		* 11	Plug Back 🗆 Red				
Well Type 🗆 Brine Dis	posal 🗆 CBM	□ Gas □ Oil ■ Seco	ondary Recovery	Solution Mining	Storage Oth	ier_\	
Type of Completion	Single Multi	ple Fluids Produc	ed □ Brine □Ga	s □ NGL # Oil	. 🗆 Other		
Drilled with □ Cable							
Drilling Media Surface Production hole				e hole □ Air □ M	ud □ Fresh W	ater □ Brine	
	records a	.*	101	C 7 C		N/A	
Date permit issued	10/13/20	Date drilling comm	nencedN/A			1.1/2	
Date completion activiti		11/12/20		ctivities ceased	11/12/20	Office of Oil and Gas	
Verbal plugging (Y/N)	ND	ate permission granted		Granted by		FEB 1 4 2022	
Please note: Operator is	required to sub	mit a plugging applica	ntion within 5 days o	f verbal permission to	o plug	WV Department of	
Freshwater depth(s) ft	1	lone	Open mine(s) (Y/N) depths	None		
Salt water depth(s) ft		00'	Void(s) encountere		None	9	
Coal depth(s) ft	Mono			red (Y/N) depths	None		
Is coal being mined in a	rea (Y/N)	N					
TOTAL DELL'E SELLETTE					Review	ved by:	

Page 2 of 4 WR-35 Rev. 8/23/13 MCCLAIN, JOHN R. & KEATON Well number 103 API 47-087 04745 Did cement circulate (Y/N) Basket New or Grade Casing Hole CASING * Provide details below* Depth(s) Depth Used wt/ft Size STRINGS Size Existing Used LS 30" Conductor 12 1/4" 11 5/8 64 Existing LS New 558 Surface 8 3/4" Intermediate 1 Intermediate 2 Intermediate 3 Existing J-55 Production 4 1/2" 2364.7 New 6 1/4" Tubing Packer type and depth set Grouted w/ Est. 50 sks to surface on 7" surface cement job. Circulated Est. 25 sks to surface on 4 1/2" cement job. "Existing Casing/Cement program" WOC Volume Cement **Vield** Number Slurry CEMENT Class/Type (ft 3) Top (MD) (hrs) (ft 3/sks) of Sucks wt (ppg) of Cement DATA Conductor Surface Existing 165 15.6 1.18 140 Surface Reg Neat Coal Intermediate 1 Intermediate 2 Intermediate 3 Existing 148/186 1.64/1.27 Production 13.2/14.2 90/125 50:50 Pozmix Tubing Loggers TD (ft) 2384 Drillers TD (ft) 2380' Plug back to (ft) N/A Deepest formation penetrated Big Injun RECEIVED Plug back procedure N/A Office of Oil and FEB 1 4 2022 Kick off depth (ft) 650' WV Department of Environmental Protection □ induction density □ deviated/directional Check all wireline logs run □ caliper □ temperature □sonic neutron □ resistivity □ gamma ray Were cuttings collected

Yes No Sidewall Well cored □ Yes # No Conventional DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING 20 Centralizers every 88 from bottom on 4 1/2", Centralizer placed mid string on 7" "Existing" WAS WELL COMPLETED AS SHOT HOLE DETAILS □ Yes 📕 No WAS WELL COMPLETED OPEN HOLE? □ Yes 🗂 No DETAILS

TYPE OF TRACER(S) USED

WERE TRACERS USED THE No

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API 47-087 _ 04745

Farm name_MCCLAIN, JOHN R. & KEATON_Well number_103

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	2/4/15	2234'	2242'	32	Big Injun
-	217710		in the		
		,			
-					
				100	
				-	

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

RECEIVED
Office of Oil and Gas

FEB 1 4 2022

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)		WV Department of ironnessed Refiles
1.	2/10/15	- 5	418	1459	421	2,500	140	
1	11/12/20	1	601	857	593		9	2250 gals HCl
-	THILLE							
							7	
								EI .
				1		1		
				1				
				1				
		1						
				1	9			

Please insert additional pages as applicable.



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API 47- 087	04745	Farm	name_MCCLAI	N, JOHN R	. & KEATON Well r	number	103	-	
			DEDTILE						
PRODUCING I	ORMATION	(2)	DEPTHS		2.5.2010				
Big Injun			2178'- 2196'	TVD 22	234'- 2242' MD				
Please insert ad	ditional pages	as applicable,							
			□ Open Flow	0	L TEST = Flow =	Pumo			
SHUT-IN PRE	SSURE Sur	face	_psi Botto	m Hole	psi DURA	TION C	F TES	Т	hrs
OPEN FLOW	Gas	Oil	NGL	V	Vater GAS N	MEASU	RED E	3Y	
OTBIVILOT		fpd		bpd	bpd □ Estir	nated	□ Ori	fice	□ Pilot
									4
LITHOLOGY/	TOP	BOTTOM	TOP	воттом					
FORMATION	DEPTH IN FT	DEPTH IN FI	DEPTH IN FT	DEPTH IN FT					
- Annual Manager	NAME TVD	TVD	MD	MD	TYPE OF FLUID (FRE	SHWAT	ER, BRI	NE, OIL,	GAS, H₂S, ETC)
Sand/Shale	0	1003	0	1008					
Sand	1003	1112	1008	1118					
Shale	1112	1200	1118	1211	*		_		
Sand	1200	1292	1211	1304				_	
Shale	1292	1700	1304	1730				_	
Sand	1700	1990	1730	2032					
Little Lime	1990	2012	2032	2054		_			
Pencil Cave	2012	2026	2054	2070	7	_			
Big Lime	2026	2152	2070	2200					
Keener	2152	2178	2200	9 5 65	Drilled direc	otional N	33° F a	distance	of 369'
Big Injun	2178	2196	2228	2246	Diffied dife	Julian 14	00 1. 0	diotalio	0.000
Shale	2196	2326	2246 2380	2000					
TD	2326	1	2000	1					RECEIVED .
Please insert ad	lditional pages	as applicable.							Office of Oil and Ga
									FEB 1 4 2022
Drilling Contra	otor Decker Di	niing	* 7.	Vincent	State	ОН	Zin	45784	I LD I T LUCE
Address 11565	State Route 676		City	· · ·	State	-			WV Department o
Logging Comp	any Weatherfo	rd International							wirenmental Profes
Address 777 No	orth River Avenue		City	Weston	State	WV	Zip	26452	-
Cementing Con	npany Univers	al Services	- And	Buckhannon	Ctata	wv	7:-	26201	
Address Hall Ro	1		City	Buckhannun	State	-	_ Zip		
Stimulating Co	mpany Produ	cers Service C	orp.						
Address 109 So	outh Graham Stre	et	City	Zanesville	State	OH	Zip	43701	
Please insert ac									
					m 1 1 204 A20	1-1107			
Completed by	Roger Heldma	an of		perations Mana	Telephone 304-420	Date 1	2/1/20		-
Signature	DW 116	cara	Title O	perautris Mana	Act	Date	- 1120		De la constantina della consta