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

API	₄₇ 087	_ 04760	County ROANE	<u> </u>	District S	MITHFIELL)
Quad L	OONEYVILL	E 7.5'	Pad Name SMIT	H, A.B.	Field/Pool	Name CLC	OVER
Operate	or (as registered	with the OOG	H.G. ENERGY LL	.C			_
Addres	s 5260 DuPO	NT ROAD	PA	RKERSBURG	State	WV	Zip 26101
As Dril	Landing Point	Fop hole of Curve	Attach an as-drille Northing 4,284,289 M Northing 4,284,321 M	ed plat, profile viev	v, and deviation Easting 474,94 Easting Easting 475,184	9 M	
Elevati	on (ft) 1,148'	GL	Type of Well	□New ≜ Existing	д Туре	of Report 🗆	Interim B Final
Permit	Type 💄 Dev	riated 🗆 H	orizontal 🗆 Horizon	ntal 6A 🗆 Vertic	cal Dept	h Type 🗆	Deep • Shallow
Type o	f Operation □ C	Convert 🗆 🗆	Deepen 🗆 Drill 🗆	□ Plug Back □ F	Redrilling I	Rework	Stimulate
Well T	ype 🗆 Brine Di	sposal 🗆 CBM	¶ □ Gas □ Oil ■ Sec	condary Recovery	□ Solution Mir	ning Stora	ge 🗆 Other
Drilled	with Cable	□ Rotary	Itiple Fluids Produ				Other
_			☐ Mud ☐Fresh Wa			r DMud	☐ Fresh Water ☐ Brine
			☐ Fresh Water ☐ Brin	е	Offica o	Oil and Cas	
Mua 1 N/A	'ype(s) and Addi	uve(s)			NOV	0 6 2020	
					WV De	partment of	
Date pe	ermit issued	9/14/20	Date drilling com	mencedN//	•	e drilling cea	N1/A
	mpletion activit		9/17/20	Date completion	activities cease	edg	9/17/20
Verbal	plugging (Y/N)	N	Date permission grante				· · · · · · · · · · · · · · · · · · ·
Please 1	note: Operator i	s required to su	ıbmit a plugging applic	eation within 5 days	of verbal perm	ission to plug	
Freshw	ater depth(s) ft	e	None	Open mine(s) (Ya	N) depths		None
	ter depth(s) ft _		860'	Void(s) encounte	red (Y/N) dept	hs	None
	epth(s) ft		one	Cavern(s) encour	_		None
Is coal	being mined in a	rea (Y/N)	N				

WR-35 Rev. 8/23/13

CASING	Hole	Casing		New or	Grade	Bas	sket	Did cement circulate (Y/ N
TRINGS	Size	Size	Depth	Used	wt/ft	Dep	th(s)	* Provide details below*
Conductor	12 1/4"	11 5/8"	30'	Used	L	.S		Existing
Surface	8 3/4"	7"	550'	New	L	.S	64'	Existing
Coal								
ntermediate 1								
ntermediate 2								
ntermediate 3								
Production	6 1/4"	4 1/2"	2607'	New	J-	-55		Existing
Tubing		2 3/8"	2370'	New	J.	·55		
acker type and d	epth set							
Comment Details CEMENT DATA	Class/Type of Cement	ks to surface on 7" sur Numbe of Sack	er Sli	urry	Yield ft ³ /sks)	Volume (<u>ft ³</u>)	Cement Top (ME	woc
Conductor								
Surface	Reg Neat	130	15	5.6	1.18	154	Surface	e Existing
Coal								
Intermediate 1								
intermediate 2								
ntermediate 3								
Production	50:50 Pozmi:	x 110/12	25 13.2	/14.2 1.	64/1.27	180/186	246'	Existing
Tubing								
Duilloug TD (E	+) 2660'			Loggers '	ΓD (ft) <u>263</u>	6°		
Drillers TD (fi	tion penetrated	Big Injun			to (ft)			
Plug back pro	_	V ,			\/ —			
TOP DUCK PIC								
Kick off depth	n (ft) 650'							
Check all wire	eline logs run	□ caliper □ neutron	□ density □ resistivi			□ ten		Sonicd Gas
			anal C'	down11	737	ere cuttings c	NUV Ollected D	U 6 2020 Yes
	□ Yes 📱 No	Conventi		dewall			14/17/10	WAR IN TAXABLE CONTRACTOR OF THE
DESCRIBE T	HE CENTRAL	IZER PLACEM	ENT USED I	FOR EACH (CASING S'	TRING	Environm	sizual Protection
20 Centralizers every 88	from bottom on 4 1/2", Centr	alizer placed mid string on 7	*Existing*					
WAS WELL	COMPLETED A	AS SHOT HOL	E □ Yes	■ No I	DETAILS	-		
	COMPLETED (N. DE	TATE O			

API 47- 087 _ 04760

Farm name CHADWELL, RONALD & BRENDA Well number 122

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	8/11/15	2462'	2468'	24	Big Injun
	0/11/10				
-					
-					

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	8/13/15	5	250	N/A	0	2,500	164	
1	9/17/20	1.5	663	700	523		10	2500 gals HCL
							0.89~	ECENED
	-						111111111111111111111111111111111111111	OF CHEET CAS
							MO.	/ 0.6 2828
							11/2	
							Env. orb	epolicy byf term reprovedian

Please insert additional pages as applicable.

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API 47- 087	_ 04760	Farm r	name_CHADWE	ELL, RONA	LD & BRENDA $_{ m V}$	Vell number_	122
PRODUCING I		<u>S)</u>	<u>DEPTHS</u> 2170'- 2188'		2448'- 2474'		
				_ =			
Please insert ad	ditional names s	us applicable		_			
			- Ouer Flow	(ni teet - Flan	u 🗆 Dumn	
					OIL TEST □ Flov		
SHUT-IN PRE	SSURE Surf	face	_psi Botto	m Hole	psi DU	JRATION O	F TESThrs
OPEN FLOW	Gas met	Oil fpdl	NGL opd	bpd		AS MEASU Estimated	
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN F MD			RECORD QUANTITYAND ER, BRINE, OIL, GAS, H₂S, ETC)
Sand/Shale	0	1566	0	1614			
Sand	1566	1598	1614	1652			
Shale	1598	1644	1652	1705			
Sand	1644	1654	1705	1719			
Shale	1654	1688	1719	1759			
Sand	1688	1998	1759	2184			
Little Lime	1998	2012	2184	2206			
Pencil Cave	2012	2020	2206	2218			
Big Lime	2020	2140	2218	2400			
Keener	2140	2170	2400	2448			
Big Injun	2170	2188	2448	2474	Drilled	directional N 7	78.3° E a distance of 849'
Shale	2188	2320	2474	2660			
TD	2320		2660				
Please insert ad	ditional pages a ctor Decker Dri						
Address 11565	State Route 676		City	Vincent	S	State OH	Zip <u>45784</u>
Logging Comp Address 777 No	any Weatherfor	d International	City	Weston		State <u>WV</u>	Office of Cri and Cas Zip 26452
Cementing Con Address Hall Ro	npany Universa	al Services	City	Buckhannor		State <u>WV</u>	NOV 06 2020
				-			Lawrence and LLI Protection
	outh Graham Stree		rp. City	Zanesville		State OH	Zip_43701
Please insert ac	lditional pages	as applicable.					
Completed by	Roger Heldma	n ,			Telephone 30	4-420-1107	
Signature _	for Oly	din	Title O	perations Mar	ager	Date _1	1/2/20
Submittal of H	ydraulic Fractu	ring Chemical	Disclosure Info	rmation	Attach copy of Fl	RACFOCUS	Registry

					Prepared by:	
					Producers Service Corp	
			1			
		PRODUCERS -				1
		SERVICE CORP.				
					740-454-6253	1
23831						
AB Smith #	122		444			
Roane/WV						
Clover						
9/17/2020						
				-		1
,		Notes	Amount	Units	Unit Cost	Total Cost
0-2000 PSI			1	EA		
INIT ONE WAY			0500			
			2.5			
			2.5	GAL		
				SIAGE	La 192 La marky	
			_	-	-	
		10-21-11				
				-		
				-		
				-		
				_		
			-	1		
				-		
			1	18		
	AB Smith # Roane/WV Clover	AB Smith # 12 Z Roane/WV Clover 9/17/2020	23831 AB Smith #127 Roane/WV Clover 9/17/2020 Notes	23831 AB Smith # 2	PRODUCERS SERVICE CORP.	SERVICE CORP. Zanesville, OH 45762

Office of (Sas

NOV 06 1020

W// Dep set of Environment a reclaction



Producers Service Corporation 109 South Graham Street Zanesville. OH 43701 (740) 454-6253 www.producersservicecorp.com

Acid **HG** Energy

Company Rep: Dustin Treater: Daniel L Graham

9/17/2020

Well: A.B Smith#122 Roane County, WV

|--|

OD: 4.5"

ID: N/A Weight: 10.5 lb.

TD: 2660 ft.

PSI Test: N/A

Pressures

Breakdown: N/A

Max: 700 psi

Average: 663 psi

Rates

Displacement: 705 psi

Volumes:

OD: N/A

Weight: N/A

From: N/A

To: N/A

Invoice #:

Flush: 10 BBL

Tubing

Size: N/A

Depth: N/A

Packers

Upper Make: N/A

Upper Depth: N/A

Lower Make: N/A

Lower Depth: N/A

Pad N/A

Treatment: 60 BBL

15% Acid: 2500 Gal

Total: 70 BBL

Open Hole

Size: N/A From: N/A

To: N/A

Perforations

of Shots: N/A

Top Perf: 2462 ft.

Bottom Perf: 2468 ft.

Notes:

Average: 1.5 bbl/min

Max: 2 bbl/min

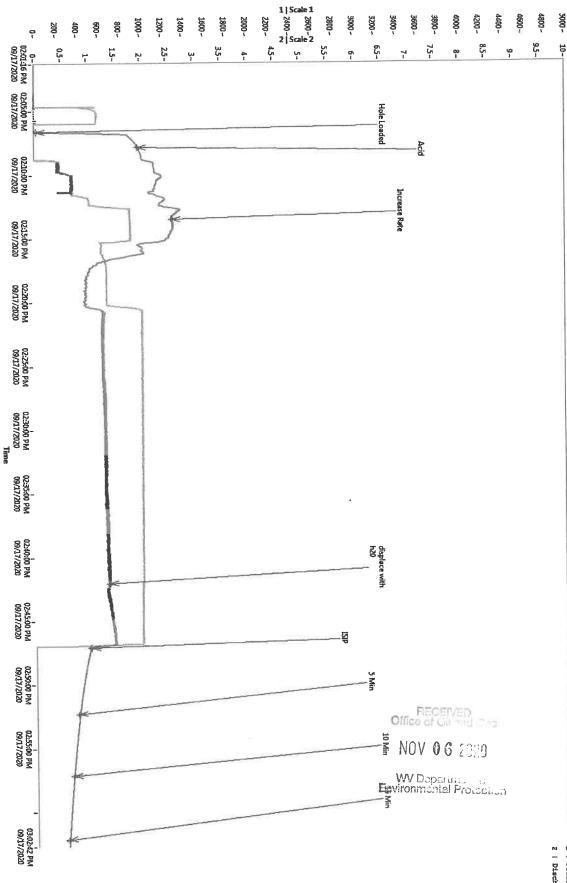
23831

RECEIVED
Office of Oil and Gas

NOV 06 2020

WV Department of Environmental Protection





IS I

1 | Pressure 1



9/17/2020 3:02:11 PM	9/17/2020 2:57:08 PM	9/17/2020 2:52:19 PM	9/17/2020 2:47:05 PM	9/17/2020 2:42:04 PM	9/17/2020 2:13:29 PM	9/17/2020 2:07:51 PM	9/17/2020 2:06:34 PM	9/17/2020 2:04:45 PM	Timestamp
15 Min	10 Min	5 Min	ISIP	displace with h20	Increase Rate	Acid	Hole Loaded	open well	Armotation
293,42	340.94	402.97	523.89	698,98	1304.21	985.36	20.94	-11.47	Pressure 1
0.00	0.00	0.00	0.00	2.04	1.81	0.00	0.01	0.98	Discharge Rate
413,96	413.96	413.96	413.96	2528.63	248.09	64.72	63.80	4.88	Stage Total (gal)
2944.00	2944,00	2944.00	2944.00	2528.63	248.09	64.72	63.80	4.88	Grand Total (gal)
9.89	9.89	9.89	9.89	60.21	5.91	1,54	1.52	0.12	Stage Total (bbl)
70.10								0.12	Grand Total (bbl)
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NOV 06 2020

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