Reviewed by:

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

API 47 - 103 _ 03508 County	WETZEL	District PROCTOR	3		
	me BLATT-WTZ-PAD1	Field/Pool Name VI	ICTORY FIL	ELD WET	
Farm name ANTHONY BLATT, ET AL		Well Number BLA	TT WTZ	205H	
	ODUCTION COMPANY				
Address PO BOX 12359	City SPRING	State TX	Zip	77391-23	59
Top hole Northing 4,3		Easting 526,727.474			2
Landing Point of Curve Northing 4,3		Easting 527,086.331			
Bottom Hole Northing 4,3	98,996.686	Easting 524,889.694			-
Permit Type □ Deviated □ Horizontal Type of Operation □ Convert □ Deepen ■ Well Type □ Brine Disposal □ CBM ■ Gas □	Oil Secondary Recovery uids Produced Brine Fresh Water Intermed	cal Depth Type Redrilling Rework	□ Deep ■ Stimul orage □ (Sha	llow 3rine
Date permit issued 6/28/2022 Date dr	illing commenced 9/18/2	2022 Date drilling	havean	10/12/202	22
Date completion activities began 11/14/20	ning commenced	Date diffing	12/10/202	~~	
Verbal plugging (Y/N) N Date permiss	1114	Granted by	N/A	1	
verous pragging (17:14) Date permiss	non granted	Granted by		Office of	CEIVED Oil and C
Please note: Operator is required to submit a plug	ging application within 5 day	s of verbal permission to p	olug	MAR	6 202
reshwater depth(s) ft261'	Open mine(s) (Y	//N) depths	N	WV Dep Environmer	artment o
Salt water depth(s) ft 1,780'		ered (Y/N) depths	N		
Coal depth(s) ft 1,114'		ntered (Y/N) depths	P	N	
Is coal being mined in area (Y/N)	N				414

CASING	Hole	Casing		ew or	Grade		Bask			ent circulate (Y/ N) de details below*
CONDUCTOR CONTROL CONT	Size 24			Jsed	wt/ft	55/94#	Depth	(s)	* Provi	Y
urface				VEW						Y; 40 BBLS
oal	17.5	13.375	403' N	NEW	J-50	5/54.5#				1, 40 BBL3
termediate 1	SEE INTERMEDIATE	9.625 2	0 010'	NEW	1.5	55/36#				Y; 50 BBLS
termediate 2	12.25	9.025 2	2,819' N	VEVV	J-0	13/30#				1, 30 BBLO
termediate 3	-									
roduction	8.75	5.5	8,171' N	NEW	D_110) HP/20#				N
ubing	0.75	0.0	0,171	1211	1-110	7111 72017				
acker type and	depth set						l			
omment Detai	ls									
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)		ield ³/sks)	Volum (ft ³)	е	Cemen Top (MI		WOC (hrs)
onductor	CLASS A	GROUT TO SURFACE		(11	1202)	111-7		SURFA		24
urface	CLASS A	576	15.60	1.	19	685.4	1	SURFA	CE	8
oal	SEE INTERMEDIAT	E						***		
termediate 1	CLASS A	351 / 743	15.60 / 16.00	1.18	/ 1.12	414.18 / 83	32.16	SURFA	CE	8
termediate 2										
termediate 3										
oduction	CLASS A	3,182	15.00	1.	29	4,104.7	'8	1,470	,	24
ubing			:							
lug back pr	nation penetrated MA rocedure N/A th (ft) 6,606' MD	RCELLUS		ggers TI						
-	reline logs run	-	-	deviate gamma			induct	tion erature	□sonic	:
	□ Yes ■ No	Conventional	Sidewall		W	ere cutting	gs coll	ected 🗆	Yes ∎	No No
ell cored			HEED EOD E	ACH CA	SING S	TRING _				
	THE CENTRALIZE	ER PLACEMENT I	USED FOR EA							
ESCRIBE '	THE CENTRALIZE		USED FOR EA							
ESCRIBE I	TRALIZERS - EVERY THIRD J	OINT OF CASING THIRD JOINT OF CASING			EDV IONET	INTH TO				RECEIVES
ESCRIBE TURNED STATES TO SERVICE STATES TO SERVI	TRALIZERS - EVERY THIRD J	OINT OF CASING THIRD JOINT OF CASING			ERY JOINT (JNTIL TD			Offic	RECEIVED Se of Oil and Gas
ESCRIBE / URFACE: 6 CENT TERMEDIATE: 5 RODUCTION: 332	TRALIZERS - EVERY THIRD J	OINT OF CASING I'HIRD JOINT OF CASING HIRD JOINT FROM SURFAC	CE TO TOP OF CURVI	E, THEN EV					MA	o of Oil and Gas

API	47- 103 -	03508	Farm name_ANTHONY BLATT, ET AL	_Well number_BLATT WTZ 205H
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMEN	1.		
					·
					·

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)
		SEE	ATTACHMÉN	2				
			·					
								, 11/1-1-0
								RECEIVED
								RECEIVED Office of Oil and Gas
								MAR 6 2023
							900	WV Department of vironmental Protection
							Er	vironmental Protection

Please insert additional pages as applicable.



PRODUCING	FORMATION(<u>(S)</u>	<u>DEPTHS</u>							
MARCELLUS			7,034'	TVD	7,607'	MD				
Please insert ad	lditional pages a	as applicable.								
GAS TEST	□ Build up □	Drawdown	□ Open Flow		OIL TEST	Flow [Pump)		
SHUT-IN PRE	SSURE Surf	face 2,262	_psi Botto	om Hole	psi	DURAT	TION C	OF TEST	hrs	
OPEN FLOW	Gas 20,082 mcf	Oil fpd <u>269</u> t	NGL opd		Water 534 bpd			JRED BY □ Orifice	□ Pilot	
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN MD	FT DESCRIBE				UANTITYAND OIL, GAS, H₂S, E	TC)
	0	ATTA OUR FELT	0							
	SEE	ATTACHMENT	3							
					19					
		10								
									Office o	CEIVED of Oil and
Please insert ad	ditional pages a	as applicable.							MAR	6 202
	ctor SWN DRIL		Υ							
Address PO BO			City	SPRING		State	TX	Zip _773	391-2359 ronme	Dartment ontal Prote
Logging Compa Address 9110 G	any BAKER HU	GHES	City	THE WOO	DLANDS	State	TX	Zip 77:	380	
		BERGER WEL								
			City	SUGAR LA	IND	State	TX	Zip _774	478	
Cementing Con	ILUMBERGER D									
Cementing Con Address 110 SC	mpany SWN V	VELL SERVICE		SPRING	-	State	TX	Zip 773	391-2359	
Cementing Con Address 110 SC Stimulating Con Address PO BO	mpany SWN V		S City	SPRING	-	State	TX	Zip _ 77 3	391-2359	-



Well Name:

BLATT WTZ 205H

47103035080000

LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	261.00	261.00	A STATE OF THE STA
Top of Salt Water	1780.00	1780.00	NA	NA	
Pittsburgh Coal	1114.00	1114.00	1121.00	1121.00	
Pottsville (ss)	1150.00	1150.00	1209.00	1209.00	
Raven Cliff (ss)	1665.00	1658.00	1902.00	1885.00	
Maxton (ss)	2148.00	2118.00	2245.00	2210.00	
Big Injun (ss)	2345.00	2306.00	2568.00	2519.00	
Berea (siltstone)	2931.00	2866.00	2956.00	2890.00	
Rhinestreet (shale)	6750.00	6474.00	7066.00	6741.00	
Cashaqua (shale)	7066.00	6741.00	7172.00	6818.00	
Middlesex (shale)	7172.00	6818.00	7295.00	6897.00	
Burket (shale)	7295.00	6897.00	7350.00	6927.00	
Tully (ls)	7350.00	6927.00	7400.00	6954.00	
Mahantango (shale)	7400.00	6954.00	7607.00	7034.00	
Marcellus (shale)	7607.00	7034.00	NA	NA	GAS

MAR 6 2023

WV Department of Environmental Protection



BLATT WTZ 205H ATTACHMENT 1 PERF REPORT

		PERF REPO	RT		
TAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG	
	1 11/9/2022	17,963	17,787	36	
	2 11/15/2022	17,754	17,577	36	
- 3	3 11/15/2022	17,545	17,368	36	
	4 11/15/2022	17,335	17,159	36	
-	5 11/16/2022	17,126	16,950	36	d.
(5 11/16/2022	16,917	16,741	36	
	7 11/16/2022	16,708	16,531	36	
8	3 11/17/2022	16,498	16,322	36	
	9 11/17/2022	16,289	16,113	36	31
10	0 11/17/2022	16,080	15,904	36	
1:	1 11/18/2022	15,871	15,694	36	
12	2 11/18/2022	15,662	15,485	36	
13	3 11/18/2022	15,452	15,276	36	
14	4 11/19/2022	15,243	15,067	36	
15	5 11/19/2022				
16	5 11/20/2022	14,622	14,443	36	
17					
18	3 11/21/2022				
	11/21/2022				
	11/22/2022				
	1 11/22/2022				
	2 11/22/2022		13,172		
	3 11/23/2022		12,960		
	11/23/2022				
	5 11/23/2022				
	5 11/24/2022		12,324		
	7 11/24/2022		12,112		
	3 11/24/2022		11,901	36	
	11/25/2022		11,689		
	11/25/2022		11,477		
	11/25/2022		11,265		
	11/26/2022		11,053		
	3 11/26/2022		10,841		
	11/26/2022		10,629		
	11/27/2022		10,417		
	11/27/2022		10,205		
	11/27/2022		9,993	Office	EIVED Oil and G
	3 11/28/2022		9,781		
	11/28/2022		9,569	141/2/17	6 202
	11/28/2022		9,358	TANCE	artment o
	11/29/2022		9,146	Environmen 36	tal Protec
	11/29/2022		8,934	36	
	3 11/29/2022		8,722	36	
	11/29/2022		8,510		
	5 11/30/2022	8,477	8,298		
7.5	11/30/2022	0,4//	0,290	07/0	

07/21/2023

BLATT WTZ 205H ATTACHMENT 1 PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
46	11/30/2022	8,265	8,086	36
47	11/30/2022	8,053	7,874	36
48	11/30/2022	7,841	7,662	36

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BLATT WTZ 205H ATTACHMENT 2 STIM REPORT

	900000000000000000000000000000000000000	manufacture and the second of		STIM REPORT			Anna Maria	
es are suuss		Ave Pump	Ave	Max	ICID/BCN	Amount of Proppant (lbs)	Amount of	nitrogen/othe
THE PROPERTY OF THE PROPERTY O	Stim Date	Rate (BPM)	Treatment	Breakdown 5,895	4,320			
	11/14/2022 11/15/2022			7,700	5,436	The second secon		
3	11/15/2022			5,599	5,987			
4	11/15/2022			6,397	4,830			
	11/16/2022			5,696	5,023	308,090		
6	11/16/2022			6,654	6,174	320,020	1187.4	
7	11/16/2022			6,378	4,920	303,450		
8	11/17/2022			5,824	5,734			
9	11/17/2022			6,165	6,215			
10	11/17/2022			6,400	5,100	300,850		
11	11/18/2022			6,448	5,622			
12	11/18/2022			6,009	4,460	303,530	271.00	
13	11/19/2022			6,191	5,785		7 1.70	
14	11/19/2022			6,215	4,700	308,250		
15	11/20/2022			7,000	4,700		8,317	
16	11/20/2022			6,515	5,200	304,070		
17	11/21/2022			6,517	5,641	310,040		
18	11/21/2022			6,305	5,007	117171171		
19	11/22/2022			5,975	5,045	300,430		
20	11/22/2022			6,413	5,280	305,090		
21	11/22/2022			6,258	5,100	300,500		
22	11/23/2022			6,320	5,025	313,790		
23	11/23/2022			6,398	4,916	297,100		
24	11/23/2022			6,510	5,133	316,210		0
25	11/24/2022			6,558	5,720	317,230		
26	11/24/2022			6,536	5,230	302,600	8,506	
27	11/24/2022			6,306	4,845	307,810	8,324	
28	11/24/2022			6,024	5,308	322,980		0
29	11/25/2022			6,436	5,200	302,510	8,394	0
30	11/25/2022			6,117	5,337		8,262	0
31	11/25/2022			6,228	5,017	305,850	8,372	0
32	11/26/2022			6,550	4,463	306,800	8,237	0
33	11/26/2022	99.5		6,204	4,562	308,260	8,259	0
34	11/26/2022			6,245	4,940	301,780	8,353	0
	11/27/2022			6,459	4,713	302,950	8,229	0
	11/27/2022			5,969	4,740			0
	11/27/2022			6,075	5,396	308,990	8,343	0
	11/28/2022		8,109	6,340	4,565	302,660	8,290	0
39	11/28/2022			6,041	4,463	312,220	8,278	
40	11/28/2022			6,006	5,002	303,730	8,147	
41	11/29/2022		7,939	6,011	4,825	302,950	8,140	
42	11/29/2022		7,978	5,847	4,476	305,050	8,005	0
43	11/29/2022		8,367	6,130	4,973	299,650	8,218	0
44	11/30/2022		8,293	6,333	5,183	306,870	8,195	0
45	11/30/2022		7,931	6,121	4,688	308,220	8,098	0
46	11/30/2022		7,818	6,264	4,603	310,960	8,120	0
47	11/30/2022			5,886	5,303	304,960	8,085	0
48	12/1/2022	96	7,823	7,102	3,730	305,580	9,214	
				(E)	-734			CEIVED

Office of Oil and Gas

MAR 6 2023

WV Department of Environmental Protection



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/14/2022
Job End Date:	12/1/2022
State:	West Virginia
County:	Wetzel
API Number;	47-103-03508-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	BLATT WTZ 205
Latitude;	39.71607213
Longitude:	-80.68833243
Dafum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,992
Total Base Water Volume (gal):	17,092,882
Total Base Non Water Volume:	0







Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)***	Comments
Base Water	Operator	Base Fluid					
	MAR WV D Environm		Water	7732-18-5	100.00000	90.35781	Density = 8.345
Sand	HECEIVED of Oil and Ga Well Wes 2023	Proppant					
	D Gas			Listed Below			



Ferriplex 80	SWN Well Services	Iron Control					
				Listed Below			
Tolicide 4Frac	SWN Well Services	Biocide					
				Listed Below			
FSTI-CI-02	SWN Well Services	Corrosion Inhibitor					
				Listed Below			
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
				Listed Below			
HCL	SWN Well Services	Solvent					
				Listed Below			
Plexslick V996	SWN Well Services	Friction Reducer					
				Listed Below			
Items above are Tr	ade Names with t	he exception of Base W	ater . Items below are the indi	vidual ingredients.			
			Crystalline Silica, quartz	14808-60-7	100.00000	9.23610	
		JULIE -	Hydrochloric Acid	7647-01-0	15.00000	0.04446	
177			Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8	45.00000	0.00664	
nvir	W/ 0#		Sodium Erythorbate	6381-77-7	100.00000	0.00158	
V Deparime	RECEIVE Tice of Oil an		Quaternary ammonium compounds	68424-85-1	7.50000	0.00111	
al Pr	EIVE Dil ar		Ethanol	64-17-5	2.50000	0.00037	
otec	nd Gas		Ethylene glycol	107-21-1	40.00000	0.00018	

	Poly(oxy-1,2-ethanediyl), .alpha(nonylphenyl)- .omegahydroxy-	9016-45-9	10.00000	0.00005	
	N,N-Dimethylformamide	68-12-2	10.00000	0.00005	
	Cinnamaldehyde	104-55-2	10.00000	0.00005	
	1-Decanol	112-30-1	5.00000	0.00002	
	2-Butoxyethanol	111-76-2	5.00000	0.00002	
	benzyl chloridequaternized	72480-70-7	5.00000	0.00002	
	Triethyl phosphate	78-40-0	5.00000	0.00002	
	1-Octanol	111-87-5	5.00000	0.00002	
	Isopropyl alcohol	67-63-0	5.00000	0.00002	

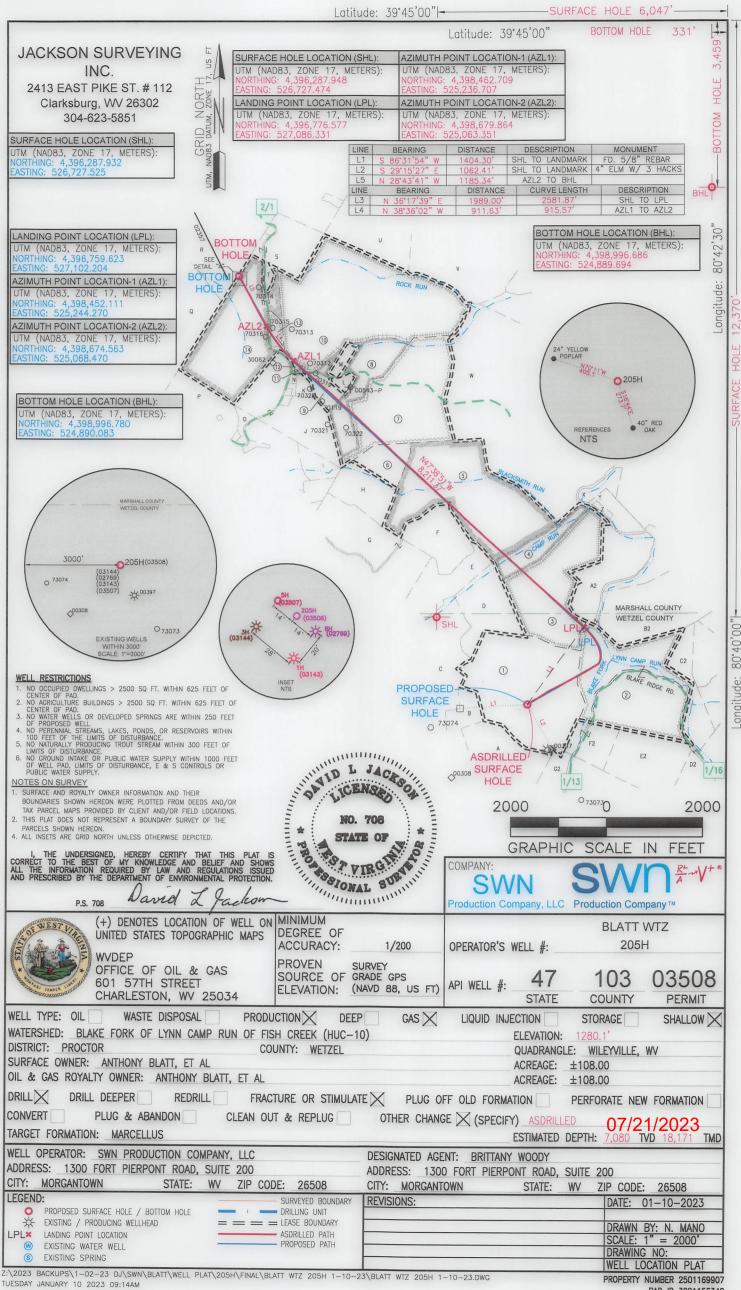
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

WV Department of Environmental Protection MAR

^{*} Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

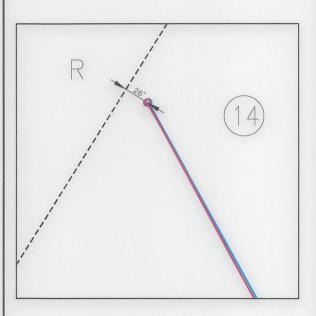


ongitude:

JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851

	WELL BORE TRACTS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BLATT ANTHONY ET AL (S/R)	12-4-5
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	RABER NANCY ETAL (S)	12-4-6
3	BLAIR ZACHARY M (S)	9-21-19
4	BLAIR ZACHARY M (S)	9-21-18
5	VILLERS ROBERT F (S)	9-21-1
6	WEIGAND DAVID PAUL (S)	9-20-15
7	NICE MARY JOSEPHINE (S)	9-20-13
8	WEIGAND DAVID PAUL (S)	9-20-12.1
9	MILLER JAMES B & HELEN M (S)	9-20-8
10	FROHNAPFEL PATRICK A ET UX (S)	9-20-11
11	MILLER ELEANOR T & JAMES B (S)	9-20-9.2
12	MILLER ELEANOR T & JAMES B (S)	9-20-9.1
13	FROHNAPFEL DAVID PAUL (S)	9-20-7.1
14	TAGG SONNY M & LINDA L (S)	9-20-7



	ADJOINING OWNERS TABLE	
TRACT	SURFACE OWNER	TAX PARCEL
А	BLATT ANTHONY	12-4-15
В	BLATT ANTHONY C	12-4-14
С	BLATT ANTHONY ET AL	12-4-4
D	HOFFMAN KIMBERLY C	12-4-40
Е	FOX PAUL G	9-21-21
F	HOFFMAN KIMBERLY C	9-21-1.1
G	FOX THOMAS JOHN	9-22-10
Н	MILLER JAMES B & HELEN M	9-20-16
1	WEIGAND JOHN G JR & MARILYN S	9-20-17.5
J	WEIGAND JOHN G JR & MARILYN S	9-20-9
K	MILLER JAMES ET UX	9-20-9.6
L	WEIGAND JOHN G JR ET UX	9-20-12.2
M	MILLER JAMES B & HELEN M	9-20-12
N	MILLER JAMES ET UX	9-20-9.5
0	STINE MARY MARGARET	9-20-21
Р	KLUG JOAN L ET AL	9-20-22
Q	FROHNAPFEL GERALD A ET UX ESTS- TRUST	9-20-5
R	FERRELL KEITH & KRISTY REVOCABLE LIVING TRUST	9-20-6
S	FERRELL KEITH & KRISTY REVOCABLE LIVING TRUST	9-18-15
Т	DULANEY MICKEY R JR	9-20-7.2
U	FROHNAPFEL CLEMENT E & BRENDA L	9-18-13
V	FROHNAPFEL CLEMENT E ET AL	9-18-14
W	ROSELAND PROPERTY LLC	9-21-2
X	BLAIR ZACHARY M	9-21-4
Υ	BLAIR ZACHARY M	9-21-16
Z	BLAIR ZACHARY M	9-21-17
A2	BLAIR ZACHARY M	9-21-15
B2	MASON DIXON FARMS LLC	9-21-12
C2	RABER NANCY ETAL	12-4-7
D2	BITHELL CHRISTOPHER P	12-4-26
E2	BITHELL CHRISTOPHER P	12-4-17
F2	RABER NANCY ETAL	12-4-16
G2	SHIBEN ESTATES INC	12-4-25

David I Jackson

P.S. 708

NO. 708
STATE OF
VIRGINAL
STATE

07/21/2023

COMPANY: REVISIONS: SWN Production Company, LLC Production Company Th API #: 47-103-03508 DATE: 01-10-2023 OPERATOR'S **BLATT WTZ** WELL #: 205H DRAWN BY: N. MANO SCALE: N/A DRAWING NO: WELL LOCATION PLAT DISTRICT: STATE: WV COUNTY: PROCTOR WETZEL