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 _ 03520	County WETZEL		District CLAY	
Quad LITTLETON		N JOHNSON WTZ F		ICTORY FIELD WET
Farm name VERNON S. JOHNSO			Well Number VER	NON JOHNSON WTZ 401H
Operator (as registered with the OOC	SWN PRODUCTIO	N COMPANY, LLC		
Address PO BOX 12359	City SPR	ING	State TX	Zip 77391-2359
As Drilled location NAD 83/UTM Top hole	Attach an as-drilled Northing 4,396,555.025	plat, profile view, and Easti	deviation survey ng 538,927.278	
Landing Point of Curve	Northing 4,396,134.602		ng 539,310.053	
Bottom Hole	Northing 4,400,555.262	Eastin	ng 534,508.437	
Elevation (ft) 1,431.6' GL	Type of Well	New □ Existing	Type of Report	□Interim
Permit Type   Deviated   I	Horizontal 💄 Horizonta	al 6A 🗆 Vertical	Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert □	Deepen ■ Drill □ I	Plug Back □ Redrill	ing 🗆 Rework	■ Stimulate
Well Type ☐ Brine Disposal ☐ CB	M A Gas II Oil II Seco	ndary Recovery - Sol	ution Mining	orage □ Other
Wen Type & Bime Bisposar & eB	W = 0.05 = 011 = 5000	ndary recovery 12 50	dition willing in the	
Type of Completion 🗂 Single 🗆 M	ultiple Fluids Produce	ed □ Brine ■Gas	□ NGL □ Oil	□ Other
Drilled with □ Cable ■ Rotary				
				500 miles (5.5)
Drilling Media Surface hole 📱 A	ir □ Mud ■Fresh Wate	er Intermediate h	ole Air RECKNE	ID □ Fresh Water □ Brine and Gas
Production hole Air Mud	□ Fresh Water □ Brine			
Mud Type(s) and Additive(s) SOBM			JUN 14	
15.00 600			WV Depar	meni of
			WV Depar Environmenta	1 Profession
Date permit issued 8/19/2022	Date drilling commo	enced10/15/2022	Date drilling	ceased 12/19/2022
Date completion activities began	1/28/2023	Date completion activ	ities ceased	3/27/2023
Verbal plugging (Y/N) N	Date permission granted	N/A	rities ceased Granted by crbal permission/to	N/A
			Office	MECEIVED
Please note: Operator is required to	submit a plugging applicat	tion within 5 days of ve	rbal permission/to	olug and Go.
Turney Turney	F 50 5 FF			4 9 20-
Freshwater depth(s) ft	440'	Open mine(s) (Y/N) de	enths Environ Depa	N <sup>3</sup>
Salt water depth(s) ft	40551	Void(s) encountered (	//N) denths	Pros of N
	2051	Cavern(s) encountered		Section N
Is coal being mined in area (Y/N)	N	-	V Paris	

APPROVED

Rev. 8/23/13								
API 47- 103	_ 03520	Farm name	VERNON S	S. JOHNS	SON ESTATE	_Well nu	mber_VERN	ON JOHNSON WTZ 401
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basi Dept		Did cement circulate (Y/N)  * Provide details below*
Conductor	24		136	NEW	J-55/94#			Y
Surface	17.5	13.375	491	NEW	J-55/54.5#			Y; 32 BBLS
Coal								
Intermediate 1	12.25	9.625	3,099	NEW	J-55/36#			Y; 30 BBLS
Intermediate 2								
Intermediate 3								
Production	8.75/8.50	6 2	9,999	NEW	P-110 HP/24	#		N
Tubing			0					. N
Packer type and de	epth set						. <u>.                                   </u>	
CEMENT	Class/Type	Number	Slurry			olume	Cement	
DATA Conductor	of Cement CLASS A	of Sacks GROUT TO SURFACE	wt (ppg)	<u> </u>	t <sup>3</sup> /sks) <u>(</u>	<u>ft ³ )</u>	Top (MD SURFAC	
Surface	CLASS A	502	15.6		1.20 60	2.40	SURFAC	
Coal	OLAGO A	302	13.0		1.20	72.40	30111 AC	0
Intermediate 1	CLASS A	1,111	15.6		1.18 12	70.86	SURFAC	E 8
Intermediate 2	OLAGO A	1,111	15.0		1.10	70.86	3011170	- 0
Intermediate 3					+			
Production	CLASS A	5,453	15.0		1.29 70	34.37	2,057	24
Tubing	OLAGO A	3,433	15.0		1.29 7034.		2,037	24
Drillers TD (ff) Deepest format Plug back proc	tion penetrated	MARCELLUS			D (ft) 30,000 to (ft) 29,914			
Kick off depth	(ft) 7,128' MD							
Check all wire	line logs run	-	density resistivity		ed/directional a ray	□ indu	perature REG	
Well cored	Yes A No	Conventional	Sidewa	all	Were cu	ttings co	ollected $\square$ Y	Oil and <b>Gas</b> Zes ■ No
DESCRIBE T	HE CENTRAL	IZER PLACEMENT	USED FOR	R EACH C	ASING STRING	G	JUN	1 4 2023
SURFACE: 7 CENTRA	ALIZERS - EVERY THI	RD JOINT OF CASING					•	partment of
		RY THIRD JOINT OF CASING					Environme	ntal Protection
PRODUCTION: 631 C	ENTRALIZERS - EVE	RY THIRD JOINT FROM SURFA	CE TO TOP OF C	CURVE, THEN E	VERY JOINT UNTIL TD			
WAS WELL C	COMPLETED A	AS SHOT HOLE	Yes 🖪 1	No DI	ETAILS			<del>,, ,,</del>
WAS WELL C	COMPLETED (	OPEN HOLE? UY	es 🖪 No	DET	AILS			
WERE TRACE	ERS USED 🛚	Yes No TY	PE OF TR	ACER(S)	USED			

WR-35 Rev. 8/23/13

API 47- 103 - 03520 Farm name VERNON S. JOHNSON ESTATE Well number VERNON JOHNSON WTZ 401H

#### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMEN <b>T</b>	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)
110.	Date	SEE	ATTACHMEN		1317 (131)	Floppant (los)	Water (bbis)	14tt Ogen/outer (units)
		SEE	ATTACHIVIEN					
								RECEIVED
							Office	of Oil and Gas
							JU	N 1 4 2023
							1	l .
								Department of
L	L					1	Environr	Department of

Please insert additional pages as applicable.

API 47- 103	_ 03520	Farm	name_VERNO	N S. JOH	INSON ESTA	ATE Well	number	VERNON JOHNSON WTZ 4011
PRODUCING MARCELLUS	FORMATION(		<u>DEPTHS</u> 7650'	_TVD	8412'	MD		
	Iditional pages a		□ Open Flow		OIL TEST	Flow E	Pump	
SHUT-IN PRE	SSURE Surf	ace 1418	_psi Botto	m Hole_	psi	DURA	TION C	OF TEST 24 hrs
OPEN FLOW	Gas 34,380 mcf	Oil pd <u>0</u>	NGL bpd		Water 1512 bpc			RED BY  □ Orifice □ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH IN MD	FT DESCRIB			RECORD QUANTITYAND ER, BRINE, OIL, GAS, H2S, ETC)
	0 SEE	ATTACHMENT	3					
	SEC	ATTACHMENT	3					
					-			
			1					
					-			
Please insert ac	lditional pages a	s applicable.						
Drilling Contra	actor SWN DRIL	LING COMPAN	ΙΥ					
Address PO BO	X 12359		City	SPRING		State	TX	Zip 77391-2359
Logging Comp	any BAKER HU	GHES						
Address 9110 G	GROGANS MILL RI	)	City	THE WO	ODLANDS	State	TX	Zip 77380
Cementing Cor	npany SCHLUM	BERGER WEL	L SERVICES					
	HLUMBERGER D		City	SUGARL	AND	State	TX	Zip_77478
Stimulating Co	mpany SWN V	VELL SERVICE	S					
Address PO BO	- N		City	SPRING		State	TX	Zip 77391
Please insert ad	lditional pages a	s applicable.						
	DENISE GRAN				Telephoi	ne 832-796	-6139	
Signature	41114	valitu	20 Title R	EGULATOF	RY SPECIALIST		Date 6	.13.2023

### Hydraulic Fracturing Fluid Product Component Information Disclosure

1/28/2023	Job Start Date:
3/11/2023	Job End Date:
West Virginia	State:
Wetze	County:
47-103-03520-00-00	API Number:
Southwestern Energy	Operator Name:
VERNON JOHNSON WTZ 401	Well Name and Number:
39.71797923	Latitude:
-80.54582566	Longitude;
NAD83	Datum:
NC	Federal Well:
NC	Indian Well:
7,508	True Vertical Depth:
37,168,938	Total Base Water Volume (gal):
(	Total Base Non Water Volume:







#### 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					
			Water	7732-18-5	100.00000	90.38875	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.34128	



			Water	7732-18-5	100.00000	0.34128		
StimSTREAM SC 398 CW	SWN Well Services	Scale Inhibitor						
				Listed Below			Gas	of
StimSTREAM FR 9800	SWN Well Services	Friction Reducer					RECEIVED Office of Oil and Gi	WV Department of Environmental Protection
				Listed Below		-	fice of	W Dep
	SWN Well Services	Proppant					ō	Envi
				Listed Below				
StimSTREAM FR 2800	SWN Well Services	Friction Reducer						
				Listed Below				
HCL	SWN Well Services	Solvent						
				Listed Below				
Ferriplex 80	SWN Well Services	Iron Control						
				Listed Below				
Clearal 270	SWN Well	Biocide						

Listed Below

Listed Below

Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.

Corrosion

Inhibitor

FSTI-CI-02

SWN Well Services

SWN Well

Services





Crystalline Silica, quartz	14808-60-7	100.00000	9.18208		· · · ·
Hydrochloric Acid	7647-01-0	15.00000	0.04613		
Glutaraldehyde	111-30-8	25.00000	0.00249		5
Ethylene glycol	107-21-1	40.00000	0.00153	3 Sas	ecti
Quaternary Ammonium compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	7.50000	0.00075	SEIVED Oil and 1	Departmental Pro
Didecyldimethylammoniu m Chloride	7173-51-5	7.50000	0.00075	Office of	Enviro
Sodium Erythorbate	6381-77-7	100.00000	0.00066		
Ethanol	64-17-5	4.00000	0.00040		
Poly(oxy-1,2-ethanediyl), .alpha(nonylphenyl)- .omegahydroxy-	9016-45-9	10.00000	0.00012		
N,N-Dimethylformamide	68-12-2	10.00000	0.00012		
Cinnamaldehyde	104-55-2	10.00000	0.00012		
Triethyl phosphate	78-40-0	5.00000	0.00006		
Isopropyl alcohol	67-63-0	5.00000	0.00006		
2-Butoxyethanol	111-76-2	5.00000	0.00006		
benzyl chloridequaternized	72480-70-7	5.00000	0.00006		
1-Decanol	112-30-1	5.00000	0.00006		
1-Octanol	111-87-5	5.00000	0.00006		

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)

<sup>\*</sup> 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



Vernon Johnson WTZ 401H Well Name:

47103035200000

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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	440.00	440.00	9
Top of Salt Water	1955.00	1892.00	NA	NA	
Pittsburgh Coal	1295.00	1283.00	1303.00	1291.00	
Pottsville (ss)	1422.00	1403.00	1456.00	1435.00	
Raven Cliff (ss)	1951.00	1887.00	2240.00	2148.00	
Maxton (ss)	2240.00	2148.00	2634.00	2513.00	
Big Injun (ss)	2634.00	2513.00	3302.00	3119.00	
Berea (siltstone)	3302.00	3119.00	3336.00	3151.00	
Rhinestreet (shale)	7513.00	6992.00	7918.00	7375.00	
Middlesex (shale)	7918.00	7375.00	8054.00	7480.00	
Burket (shale)	8054.00	7480.00	8101.00	7513.00	
Tully (ls)	8101.00	7513.00	8147.00	7541.00	
Mahantango (shale)	8147.00	7541.00	8412.00	7650.00	
Marcellus (shale)	8412.00	7650.00	NA	NA	GAS

#### VERNON JOHNSON WTZ 401H ATTACHMENT 2

				STIM REPORT				
		Ave Pump		Max			Amount of	Amount of
STAGE NUM	Stim Date	Rate (BPM)	Treatment	Breakdown		Proppant (lbs)		nitrogen/othe
1		87.4		10,108	4,744		6,768	
2				6,690	4,687		10,361	
3					4,919		10,617	
4					4,729		10,066	
5	the same of the sa			6,104	5,006		10,086	
	1/30/2023			6,403	5,195		9,438	
7				7,465	5,112		9,497	
8		70.8		7,102	5,460		9,603	
9				6,425	5,325		11,029	
10					4,790		11,436	
11	2/2/2023				5,100		9,783	
12	2/2/2023	63.4	7,299	6,625	5,265	304,990	12,073	
13	2/3/2023	86	9,899	6,680	5,553	311,620	9,673	
14	2/4/2023	96.6	10,496	6,380	5,637	313,600	9,564	
15	2/5/2023	96.3	10,381	6,615	5,374	315,300	9,520	
16	2/5/2023	72.6	8,316	6,550	5,666	308,900	10,962	0
17	2/6/2023	87.8	10,409	6,224	5,000	310,630	9,334	0
18	2/6/2023	85.3	10,483	6,800	5,174	314,210	9,589	0
19	2/7/2023	88.6	10,403	6,360	5,844	316,920	9,220	.0
20	2/7/2023	87.8	10,236	6,660	5,365	312,230	9,383	0
21	2/8/2023	91.7	10,539	6,969	5,406	307,060	9,628	0
22	2/8/2023	89.1	10,357	6,370	5,426	307,820	8,703	0
23	2/8/2023	90.9	10,403	6,421	4,993	310,660	9,281	0
24	2/9/2023	91.6	10,514	6,750	5,315	309,020	8,938	0
25	2/9/2023	88	10,343	6,405	5,425	307,000	8,784	0
26	2/10/2023	84.2	10,333	6,990	5,395	312,200	9,234	0
27	2/10/2023	81.6	9,834	6,650	5,054	316,360	9,294	0
28	2/11/2023	94.2	10,544	6,670	5,245	310,740	8,693	0
29	THE RESIDENCE OF THE PARTY OF T			6,372	6,156		8,688	
30					5,406		8,981	
31			9,875		5,691		9,057	
32			12 1211		5,517		9,189	
33					5,425		8,805	
34	71 5.77 70 70 70			5,834	5,724		10,664	
35		83.3		6,339	5,000		8,973	
36		94.3		5,720	5,381	313,900	8,666	
37					5,735		8,714	
38		95		6,375	5,852	318,490	9,512	
39		89.2		6,425	4,476	314,230	9,114	
40		82.6		6,280	5,534		9,063	0
41		89.6		6,674	4,870	316,180	10,441	
42		87.6		6,851	5,880	315,940	9,179	0
43		89.8		6,656	4,881	312,670	8,856	
44		91.2	9,303	5,687	4,923	310,380	9,008	0
45		98.8	9,325	4,825	6,145	320,600	255	
46	The second second second	90.9	9,036	6,211	4,718	312,600	8,881	and Gas
47		89.5	8,944	6,441	4,604	309,530	Office 8,943	0
48		99	9,672	6,333	5,660	309,600	A 870	4 2023 c
49		94	9,560	6,679	5,022	307,080	JUN971 8,795	0
50	The second secon	97.5	9,534	6,058	4,735	306,350	8 847	
51		89	9,092	5,804	5,043	308,270	WV2 DOS	entrection
52		89.9	9,141	5,667	4,591	313,520	Environities	artment of 0 tal Protection 0
53	The second secon	97.1	9,643	6,036	5,568	312,410	8,818	0
	-11-067	31.1	2,043	0,030	2,300	212,410	0,010	U

#### VERNON JOHNSON WTZ 401H ATTACHMENT 2 STIM REPORT

				STIM REPORT				
		Ave Pump	Ave	Max			Amount of	Amount of
STAGE NUM	Stim Date			Breakdown		Proppant (lbs)		nitrogen/othe
5			7,872	6,007	5,390			
	5 2/21/2023		9,413	6,518	4,811			
5					5,582			
.5				6,178	6,221			
5				5,763	5,567			
5	The state of the state of		8,642	5,627	6,024		138477	
6				6,494	4,990			
6	1 2/24/2023			6,335	4,886			
6				6,105	5,494			
6				6,911	5,370			-
6			9,637	6,555	5,814	307,110		
6	5 2/26/2023	91.5	9,304	7,232	5,458	309,690	8,673	
6	6 2/27/2023	98.8	9,644	7,166	6,023	315,930		
6	7 2/27/2023	90.5	9,405	6,133	5,409	319,180	8,588	
6	8 2/28/2023	97.4	9,688	7,240	5,885	308,020	8,390	
6	9 2/28/2023	94.3	9,521	8,112	6,161	311,940	7,824	
7	0 3/1/2023	98.2	9,677	5,791	5,908	308,510	7,956	0
7	1 3/1/2023	88.9	9,159	7,532	6,423	307,240	7,900	0
7	2 3/1/2023	91.5	8,684	5,574	6,566	311,490	7,875	0
7	3 3/1/2023	92.6	9,187	6,900	5,700	301,820	7,648	0
7	4 3/2/2023	93.5	9,060	7,458	6,376	304,750	7,924	0
7	5 3/2/2023	98.4	8,901	7,062	6,619	313,180	7,605	0
7	6 3/4/2023	94.7	8,837	6,634	6,182	306,480	8,396	
7	7 3/5/2023	98.6	9,389	7,250	6,000	312,610	7,380	0
7.	8 3/6/2023	98.7	9,384	7,087	6,083	312,220	7,383	0
7	9 3/6/2023	98.9	9,658	6,740	6,416	307,670	7,429	0
8	0 3/6/2023	93.8	9,195	6,995	6,402	291,287	7,432	0
8	1 3/6/2023	96.9	9,391	7,104	6,073		7,436	
8	2 3/6/2023	98.5	9,515	5,505	5,420	314,980	7,347	0
8	3 3/6/2023	98.6	9,433	6,670	5,600		7,319	
8	4 3/7/2023	99.4	9,023	6,430	5,700			
8	5 3/7/2023	98.2	9,012	6,748	5,650		7,473	
8	6 3/7/2023	96.6		6,853	5,752			
8			9,106	6,400	5,125			
8	8 3/7/2023	99.9	8,702	4,600	5,995			
8	9 3/8/2023	98	9,482	6,508	5,206		6,920	
9			5,863	6,580	4,389		10,587	
9			8,473	6,436	5,406			
9	THE RESERVE OF THE PARTY OF THE		8,499	6,050	5,345		7,252	
9			7,957	4,550	5,695		7,184	
9.				4,275	5,360		7,103	
9.			8,294	6,222	4,525	242 720	7.00	
9	Commence of the Commence of th		7,820	6,113	4,350		7,098	
9			6,964	6,295	5,730	308,296	ias 7,190	
9	The second secon		7,917	6,300	5,090			
9			8,133	6,770	5,320	303/260	7,005	0
10			8,072	7,005	5,683	312 710	7 001	0
10			8,336	4,900	Engra24	312,710 epann312,840 lental 313,920	7,149	0
103			7,867	7,479	4.865	ental Broteran	n 6,986	
10.	2 3/11/2023	91.2	7,867	7,479	4,865	313,220	n 6,986	0

#### VERNON JOHNSON WTZ 401H ATTACHMENT 1 PERF REPORT

	# SHOTS PER STG	erf Top MD2	Perf Bottom MD		STAGE NUM
	Number of Perforat	erf to MD	Perf From MD	Perforation [	Stage No
36		29,820	29,914	1/24/2023	1
36		29,608	29,786	1/29/2023	2
36		29,397	29,575	1/29/2023	3
36		29,186	29,364	1/30/2023	4
36		28,976	29,153	1/30/2023	5
36		28,765	28,942	1/30/2023	6
36		28,554	28,731	1/31/2023	7
36		28,343	28,521	1/31/2023	8
36		28,132	28,310	1/31/2023	9
36		27,921	28,099	2/1/2023	10
36		27,710	27,888	2/1/2023	11
36		27,499	27,677	2/2/2023	12
36		27,288	27,466	2/3/2023	13
36		27,077	27,255	2/3/2023	14
36		26,866	27,044	2/4/2023	15
36		26,655	26,833	2/5/2023	16
36		26,445	26,622	2/5/2023	17
36		26,234	26,411	2/6/2023	18
36		26,023	26,201	2/6/2023	19
36		25,812	25,990	2/7/2023	20
36		25,601	25,779	2/7/2023	21
36		25,390	25,568	2/8/2023	22
36		25,179	25,357	2/8/2023	23
36		24,968	25,146	2/9/2023	24
36		24,757	24,935	2/9/2023	25
36		24,546	24,724	2/9/2023	26
36		24,335	24,513	2/10/2023	27
36		24,125	24,302	2/10/2023	28
36		23,914	24,091	2/11/2023	29
36		23,703	23,880	2/11/2023	30
36		23,492	23,670	2/12/2023	31
36		23,281	23,459	2/12/2023	32
36		23,070	23,248	2/13/2023	33
36		22,859	23,037	2/13/2023	34
36		22,648	22,826	2/14/2023	35
36		22,437	22,615	2/14/2023	36
	RECEIV	22,226	22,404	2/14/2023	37
and 36	AECEIV Office of Oil	22,015	22,193	2/15/2023	38
A 2026	JUN 1	21,805	21,982	2/15/2023	39
		21,594	21,771	2/15/2023	40
	Environmen	21,383	21,560	2/16/2023	41

#### VERNON JOHNSON WTZ 401H ATTACHMENT 1 PERE REPORT

PERF REPORT								
STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG	Í			
42	2/17/2023	21,350	21,172		36			
43	2/17/2023	21,139	20,961		36			
44	2/17/2023	20,928	20,750		36			
45	2/18/2023	20,717	20,539		36			
46	2/18/2023	20,506	20,328		36			
47	2/18/2023	20,295	20,117		36			
48	2/19/2023	20,084	19,906		36			
49	2/19/2023	19,873	19,695		36			
50	2/19/2023	19,662	19,485		36			
51	2/20/2023	19,451	19,274		36			
52	2/20/2023	19,240	19,063		36			
53	2/20/2023	19,030	18,852		36			
54	2/21/2023	18,819	18,641		36			
55	2/21/2023	18,608	18,430		36			
56			18,219		36			
57	2/22/2023	18,186	18,008		36			
58			17,797		36			
59			17,586		30			
60			17,375		36			
61		17,342	17,165		36			
62	2/24/2023		16,954		36			
63			16,743		3(			
64	2/25/2023		16,532		36			
65	2/26/2023		16,321		3			
66		16,288	16,110		3			
67	2/27/2023	16,077	15,899		3			
68	2/27/2023	15,866	15,688		3(			
69	2/28/2023		15,477		3			
70		15,444	15,266		3(			
71	3/1/2023	15,233	15,055		36			
72	3/1/2023	15,022	14,844		3(			
73	3/1/2023	14,811	14,634		30			
74		14,600	14,423		36			
75	3/2/2023	14,390	14,212		3			
76	3/2/2023	14,179	14,001	RECEIVE	2			
77	3/4/2023	13,968	13,790		286			
78	3/5/2023	13,757	13,579		3			
79	3/6/2023	13,546	13,368	VVIII 4 /1173	3(			
80	3/6/2023	13,335	13,157		3(			
81	3/6/2023	13,124	12,946	WV Department of Environmental Protection	20			
82	3/6/2023	12,913	12,735	rotectio	36			
83		12,702			36			
03	3/0/2023	12,702	12,524		30			

#### VERNON JOHNSON WTZ 401H ATTACHMENT 1 PERF REPORT

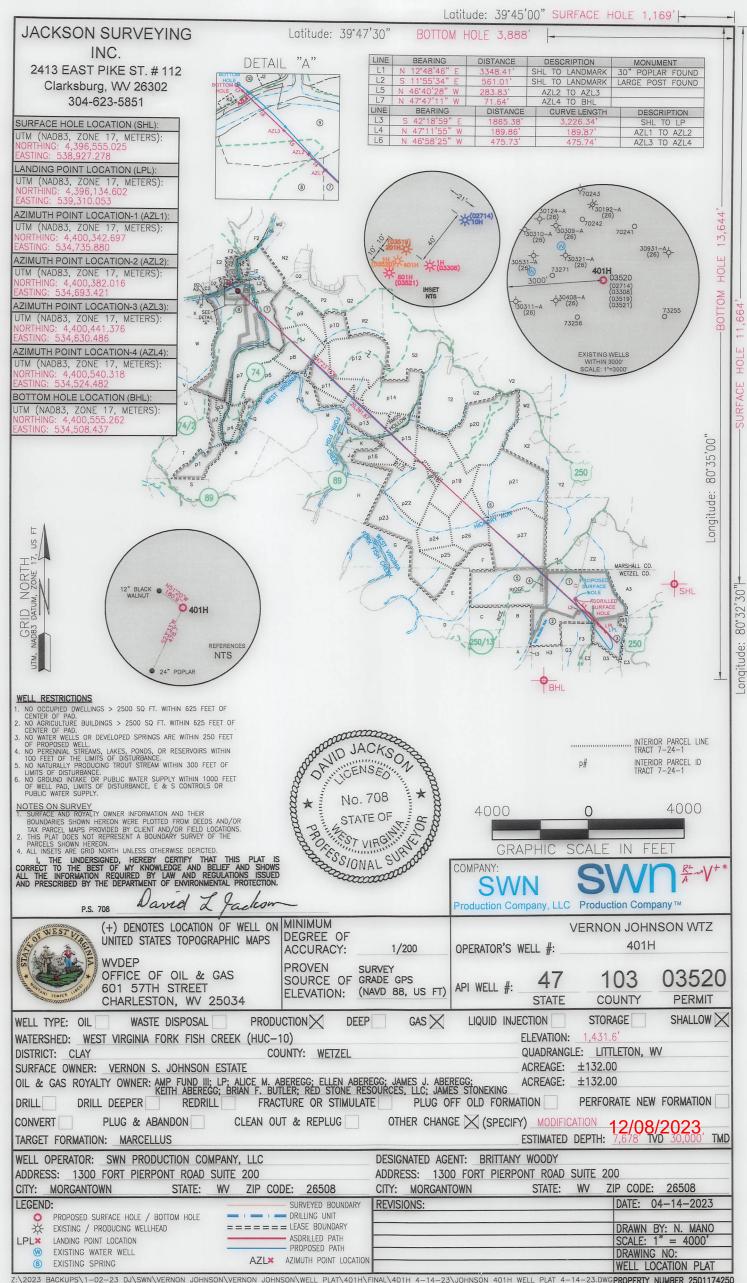
	# SHOTS PER STG	Perf Top MD2	Perf Bottom MD	Perf Date	STAGE NUM
36		12,314	12,491	3/6/2023	84
36	-	12,103	12,280	3/7/2023	85
36					
36		11,892	12,069	3/7/2023	86
		11,681	11,859	3/7/2023	87
36		11,470	11,648	3/7/2023	88
36		11,259	11,437	3/8/2023	89
72		11,048	11,226	3/8/2023	90
36		10,837	11,015	3/8/2023	91
36		10,626	10,804	3/8/2023	92
36		10,415	10,593	3/8/2023	93
36		10,204	10,382	3/9/2023	94
36		9,994	10,171	3/9/2023	95
36		9,783	9,960	3/9/2023	96
36		9,572	9,749	3/10/2023	97
36		9,361	9,539	3/10/2023	98
36		9,150	9,328	3/10/2023	99
36		8,939	9,117	3/10/2023	100
36		8,728	8,906	3/11/2023	101
36	1930-19	8,517	8,695	3/11/2023	102

RECEIVED
Office of Oil and Gas

JUN 142023

WV Department of Environmental Protection





## JACKSON SURVEYING INC.

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

SURFACE HOLE LOCATION (SHL):						
UTM (NAD83, ZONE 17, METERS):						
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,555.081 EASTING: 538,927.379						
LANDING POINT LOCATION (LPL):						

UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,133.715
EASTING: 539,310.251

AZIMUTH POINT LOCATION-1 (AZL1): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,343.350 EASTING: 534,739.199

AZIMUTH POINT LOCATION-2 (AZL2): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,385,812 EASTING: 534,696,183

AZIMUTH POINT LOCATION-3 (AZL3):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,400,450.966
FASTING: 534 634 595

AZIMUTH POINT LOCATION-4 (AZL4):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,400,539.166
EASTING: 534,537.690

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,400,557.917
EASTING: 534,513.687

	WELL BORE TRACTS	
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	JOHNSON VERNON S EST (S)/ AMP FUND III; LP; ALICE M. ABEREGG; ELLEN ABEREGG; JAMES J. ABEREGG; KEITH ABEREGG, BRIAN F. BUTLER; RED STONE RESOURCES, LLC; JAMES STONEKING (R)	3-1-1
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	DRAHEIM HERBERT P ET AL (S)	3-1-6
3	MILLIKEN KEVIN R ETAL (S)	3-1-4
4	LONG LONNY DAVID & LINDA SUE (S)	1-3-2.1
5	JAMES J ABEREGG ET AL (S)	1-3-2
6	W VA WILDLIFE RESOURCES SECTION (S)	7-24-1
7	FROMHART BRAD ET UX - LIFE (S)	7-20-41
8	GRIBBEN M PEGGY REVOCABLE LIVING TRUST (S)	7-19-28
9	UNDERDONK ALAN (S)	7-16-25.1
10	CUMPSTON GAIL (S)	7-19-20

ADJOINING OWNERS TABLE						
RACT	SURFACE OWNER	TAX PARCEL				
Α	MCGUFFIE ARCH	1-6-5				
В	WILLIAMS JOHN EDWARD	1-3-9				
С	WILLIAMS LONNIE L	1-3-7				
D	SEIDLER EARL DALE & NETTIE	1-2-6.1				
Е	WILLIAMS KATHERINE E TRUST	1-3-1				
F	WADE MICHAEL CLAY & MCCELLAND LAWRENCE W - TOD ET AL	7-24-6				
G	VELLEKOOP PETER B ET UX - TOD	7-27-13				
Н	VELLEKOOP PETER B ET UX - TOD	7-27-11				
1	VELLEKOOP PETER B ET UX - TOD	7-27-10.1				
j	VELLEKOOP PETER B ET UX - TOD	7-26-6.2				
K	VELLEKOOP PETER B ET UX - TOD	7-26-6.1				
L	GEDEON DANIEL D ET UX	7-26-6				
M	YOCUM JOSEPH LEE & MICHAEL D	7-26-9				
N	CONSOLIDATED GAS SUPPLY CORP	7-26-8				
0	BUZZARD COLIN R	7-26-3				
Р	HUNDRED RESOURCES INC	7-26-11				
Q	BUTLER JOHN M & LISA A	7-26-11.1				
R	HORNER DELORSE A	7-26-10				
S	RIGGS JOHN E JR & DELANA	7-27-2				
Т	MORGAN JAMES E - LIFE	7-26-14				
U	ROMACK VICTOR A	7-19-38				
V	HORNER DELORSE A - LIFE	7-19-30				
W	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	7-19-29				
X	ZELIC NICK ET UX	7-19-27				
Υ	HORNER DELORSE A - LIFE	7-19-26				
Z	CHURCH OF CHRIST TRUSTEES	7-19-25				
A2	COLLINS BRIAN & PAMELA J	7-19-24				
B2	COLLINS BRIAN & PAMELA J	7-19-23.1				
C2	COLLINS BRIAN & PAMELA J	7-19-23.2				
D2		7-19-23				
	DRUSCHEL JAMES F & JAMIE ANN ET AL	0.000,000,000,000				
E2	CUMPSTON GEORGE R ET AL	7-16-24				
F2	BUTLER JOHN MATTHEW	7-16-39				
G2	BURGE JUDITH A & VIRGINIA L BAILEY	7-20-4				
H2	CONNELLY CHAS E	7-20-5				
12	MARLING SUELLEN	7-20-3				
J2	SHARPENBERG DALTON & DEREK (S)	7-19-21				
K2	VUCELICK CHARLES EST	7-19-22				
L2	FROMHART BRAD ET UX - LIFE	7-20-01				
M2	BURGE JUDITH A & VIRGINIA L BAILEY ET AL	7-16-40				
N2	BURGE JUDITH A & VIRGINIA L BAILEY ET AL	7-20-6				
02	GEHO ANNIE L EST	7-20-11				
P2	BURLEY AMMON ET UX	7-20-12				
Q2	BURLEY AMMON	7-20-18				
R2	BURLEY AMMON A	7-20-24				
S2	BURLEY AMON A	7-20-37				
T2	GRESHAW JASON M & MARY L	7-25-2				
U2	BROWN ANDREW C III	7-25-6				
V2	HARRINGTON CLYDE F	7-25-7				
W2	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9				
		7-25-12				
X2	CONAWAY THOMAS EARLJR & CAROLYN K STOWE					
Y2	CONAWAY THOMAS E	7-23-1				
Z2	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26				
A3	PRENDERGAST MICHAEL J & SUE ELLEN	3-1-2				
В3	WV MINERALS INC	3-1-3				
C3	MCDIFFITT WILBERT(WEBB)H TRUST	3-1-35				
D3	MILLIKEN KEVIN R ETAL	3-1-13				
E3	MILLIKEN KEVIN R ETAL	3-1-12				
F3	DRAHEIM HERBERT P ETAL	3-1-5				
G3	DRAHEIM GARY WAYNE JR ETAL	3-1-10				
НЗ	DRAHEIM GARY WAYNE JR ETAL	3-1-9				
13	CBC HOLDINGS LLC	3-1-8.1				

12/08/2023

REVISIONS:	COMPANY:	SWN Production Company, LLC	SVI Production Compar	R <sup>L</sup> →V+®
	OPERATOR'S WELL #:	VERNON JOHNSON WTZ 401H	API #: 047-103-03520	DATE: 04-14-2023  DRAWN BY: N. MANO
	DISTRICT: CLAY	COUNTY: WETZEL	STATE: WV	SCALE: N/A DRAWING NO: WELL LOCATION PLAT 2