

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

API 47-103-03308 County WETZEL District CLAY
Quad LITTLETON, WV Pad Name VERNON JOHNSON-WTZ-PAD1 Field/Pool Name VICTORY FIELD WET
Farm name VERNON S. JOHNSON ESTATE Well Number VERNON JOHNSON WTZ 1H
Operator (as registered with the OOG) SWN PRODUCTION COMPANY, LLC
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,396,554.117 Easting 538,934.109
Landing Point of Curve Northing 4,396,947.496 Easting 539,223.465
Bottom Hole Northing 4,400,961.531 Easting 534,917.026

Elevation (ft) 1431.1' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
SOBM

Date permit issued 5/29/2019 Date drilling commenced 11/25/2019 Date drilling ceased 12/24/2019
Date completion activities began 3/20/2020 Date completion activities ceased 5/3/2020
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 440' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1795' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1277' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed by:
Derek M. Haught
8/21/20

API 47-103 - 03308

Farm name VERNON S. JOHNSON ESTATE Well number VERNON JOHNSON WTZ 1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24	20	126	NEW	J-55/94#		Y
Surface	17.5	13.375	544	NEW	J-55/54.50#		Y, 37 BBLS
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	2,940	NEW	J-55/36#		Y, 53 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	27,775	NEW	P-110 CYHP/20#		Y, 9 BBLS
Tubing		2.875		NEW			N
Packer type and depth set							

Comment Details _____

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	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	559	15.60	1.19	665.21	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	1,218	16.00	1.12	1,364.16	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	1,080	15.60	1.18	1,274.4	SURFACE	24
Tubing							

Drillers TD (ft) 27,775' Loggers TD (ft) 27,775'
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 7,245'

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

SURFACE: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 PRODUCTION: 181 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 103 - 03308 Farm name VERNON S. JOHNSON ESTATE Well number VERNON JOHNSON WTZ 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>MARCELLUS</u>	<u>7,660'</u>	<u>TVD</u>	<u>8,218'</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2924 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 27,541 mcfpd Oil 7 bpd NGL _____ bpd Water 888 bpd
GAS MEASURED BY Estimated Orifice Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	
	<u>0</u>		<u>0</u>		
	<u>SEE</u>	<u>ATTACHMENT</u>	<u>3</u>		

Please insert additional pages as applicable.

Drilling Contractor SWN DRILLING COMPANY
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Logging Company BAKER HUGHES
Address 9110 GROGANS MILL RD City THE WOODLANDS State TX Zip 77380

Cementing Company B J SERVICES
Address 11211 FM 2920 City TOMBALL State TX Zip 77377

Stimulating Company HALLIBURTON ENERGY SERVICE
Address 14851 MILNER ROAD, GATE 5A City HOUSTON State TX Zip 77032

Please insert additional pages as applicable.

Completed by DENISE GRANTHAM Telephone 832-796-6139
Signature *Denise Grantham* Title REGULATORY TECHNICIAN Date 7/22/2020

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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Well Name: **Vernon Johnson WTZ 1H** **47103033080000**

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	
Top of Salt Water	1795.00	1795.00	NA	NA	
Pittsburgh Coal	1277.00	1277.00	1404.00	1404.00	
Pottsville (ss)	1404.00	1404.00	1803.00	1803.00	
Raven Cliff (ss)	1803.00	1803.00	2277.00	2277.00	
Maxton (ss)	2277.00	2277.00	2502.00	2502.00	
Big Injun (ss)	2502.00	2502.00	3111.00	3110.00	
Berea (siltstone)	3111.00	3110.00	7160.00	6903.00	
Rhinestreet (shale)	7160.00	6903.00	7540.00	7249.00	
Cashaqua (shale)	7540.00	7249.00	7700.00	7386.00	
Middlesex (shale)	7700.00	7386.00	7844.00	7492.00	
Burket (shale)	7844.00	7492.00	7901.00	7528.00	
Tully (ls)	7901.00	7528.00	7943.00	7553.00	
Mahantango (shale)	7943.00	7553.00	8218.00	7660.00	
Marcellus (shale)	8218.00	7660.00	NA	NA	GAS

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VERNON JOHNSON WTZ 1H

ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD	# SHOTS PER STG
2	3/21/2020	27,574	27,398	36
3	3/21/2020	27,357	27,187	36
4	3/22/2020	27,150	26,978	36
5	3/22/2020	26,944	26,771	36
6	3/22/2020	26,740	26,566	36
7	3/23/2020	26,532	26,359	36
8	3/23/2020	26,330	26,154	36
9	3/23/2020	26,120	25,946	36
10	3/23/2020	25,906	25,725	36
11	3/24/2020	25,695	25,515	36
12	3/24/2020	25,483	25,312	36
13	3/24/2020	25,274	25,101	36
14	3/25/2020	25,065	24,889	36
15	3/25/2020	24,856	24,680	36
16	3/25/2020	24,647	24,470	36
17	3/25/2020	24,438	24,261	36
18	3/26/2020	24,228	24,052	36
19	3/26/2020	24,019	23,843	36
20	3/26/2020	23,810	23,634	36
21	3/26/2020	23,601	23,425	36
22	3/27/2020	23,392	23,215	36
23	3/28/2020	23,183	23,006	36
24	4/4/2020	22,973	22,797	36
25	4/4/2020	22,764	22,588	36
26	4/5/2020	22,555	22,379	36
27	4/5/2020	22,346	22,170	36
28	4/5/2020	22,137	21,961	36
29	4/5/2020	21,928	21,751	36
30	4/6/2020	21,719	21,542	36
31	4/6/2020	21,509	21,333	36
32	4/6/2020	21,300	21,124	36
33	4/6/2020	21,091	20,915	36
34	4/6/2020	20,882	20,706	36
35	4/7/2020	20,673	20,496	36
36	4/7/2020	20,464	20,287	36
37	4/7/2020	20,254	20,078	36
38	4/7/2020	20,010	19,869	36
39	4/7/2020	19,836	19,660	36
40	4/8/2020	19,622	19,451	36
41	4/8/2020	19,414	19,241	36
42	4/8/2020	19,209	19,030	36
43	4/8/2020	19,002	18,818	36
44	4/9/2020	18,790	18,609	36
45	4/9/2020	18,581	18,406	36

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PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD	# SHOTS PER STG
46	4/9/2020	18,372	18,196	36
47	4/10/2020	18,163	17,986	36
48	4/10/2020	17,954	17,777	36
49	4/10/2020	17,744	17,568	36
50	4/10/2020	17,535	17,359	36
51	4/10/2020	17,326	17,150	36
52	4/12/2020	17,117	16,941	36
53	4/12/2020	16,908	16,732	36
54	4/12/2020	16,699	16,522	36
55	4/13/2020	16,490	16,313	36
56	4/13/2020	16,280	16,104	36
57	4/13/2020	16,069	15,895	36
58	4/13/2020	15,859	15,686	36
59	4/13/2020	15,653	15,477	36
60	4/13/2020	15,444	15,268	36
61	4/14/2020	15,235	15,058	36
62	4/14/2020	15,025	14,851	36
63	4/14/2020	14,816	14,642	36
64	4/14/2020	14,607	14,433	36
65	4/15/2020	14,398	14,227	36
66	4/15/2020	14,189	14,009	36
67	4/16/2020	13,980	13,799	36
68	4/16/2020	13,770	13,597	36
69	4/16/2020	13,561	13,386	36
70	4/16/2020	13,352	13,179	36
71	4/16/2020	13,143	12,969	36
72	4/17/2020	12,934	12,754	36
73	4/17/2020	12,725	12,544	36
74	4/17/2020	12,515	12,339	36
75	4/17/2020	12,302	12,130	36
76	4/17/2020	12,095	11,921	36
77	4/18/2020	11,888	11,712	36
78	4/18/2020	11,677	11,503	36
79	4/18/2020	11,470	11,293	36
80	4/18/2020	11,257	11,084	36
81	4/18/2020	11,051	10,873	36
82	4/19/2020	10,840	10,666	36
83	4/19/2020	10,628	10,457	36
84	4/19/2020	10,426	10,248	36
85	4/19/2020	10,215	10,043	36
86	4/18/2020	10,006	9,830	36
87	4/20/2020	9,796	9,620	36
88	4/20/2020	9,587	9,411	36
89	4/20/2020	9,378	9,202	36

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STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD	# SHOTS PER STG
90	4/21/2020	9,169	8,993	36
91	4/21/2020	8,960	8,783	36
92	4/21/2020	8,751	8,574	36
93	4/22/2020	8,541	8,365	36

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**VERNON JOHNSON WTZ 1H
ATTACHMENT 2
STIM REPORT**

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
2	3/21/2020	70	8,175	7,247	4,200	420,095	15,023	0
3	3/21/2020	71.3	8,238	5,572	4,523	417,625	13,257	0
4	3/22/2020	76.7	8,607	5,174	4,378	406,720	13,046	0
5	3/22/2020	73.2	8,379	5,244	4,842	400,060	12,896	0
6	3/22/2020	77.1	8,581	5,258	4,705	400,960	13,999	0
7	3/23/2020	77.6	8,693	5,194	4,495	399,900	13,438	0
8	3/23/2020	70.8	8,146	5,274	4,648	394,900	13,387	0
9	3/23/2020	76.3	8,437	5,143	4,694	402,780	12,662	0
10	3/23/2020	75.6	8,516	5,664	5,223	399,860	11,797	0
11	3/24/2020	68.1	8,187	6,414	4,725	379,620	10,029	0
12	3/24/2020	74.5	8,364	5,717	4,514	418,980	12,937	0
13	3/24/2020	71.5	8,347	5,778	5,309	392,705	8,346	0
14	3/25/2020	69.6	8,362	5,633	3,969	321,515	10,874	0
15	3/25/2020	77.1	8,428	5,999	4,429	412,175	12,672	0
16	3/25/2020	76.4	8,428	5,549	4,622	396,580	13,729	0
17	3/26/2020	75.8	8,395	5,663	4,682	402,120	12,393	0
18	3/26/2020	75.5	8,491	5,747	4,186	397,380	12,823	0
19	3/26/2020	84.2	8,775	5,198	4,483	403,000	12,964	0
20	3/26/2020	72.9	8,481	5,694	4,637	398,360	14,975	0
21	3/27/2020	77.7	8,536	5,420	4,277	395,760	11,590	0
22	3/28/2020	93	10,171	5,381	4,505	402,480	14,497	0
23	3/29/2020	85.5	10,251	6,238	4,146	257,140	7,826	0
24	4/4/2020	90.7	9,747	6,590	4,182	338,220	11,759	0
25	4/4/2020	93.1	9,828	6,171	4,679	319,220	9,252	0
26	4/5/2020	91.4	9,702	5,913	4,414	318,840	8,906	0
27	4/5/2020	85.4	9,879	6,034	6,772	297,370	9,604	0
28	4/5/2020	96	10,130	5,978	4,803	299,610	8,773	0
29	4/5/2020	91.3	9,687	5,951	4,568	315,300	8,564	0
30	4/6/2020	89.1	9,804	5,887	4,563	320,140	8,913	0
31	4/6/2020	84.7	9,348	6,023	4,106	316,010	8,750	0
32	4/6/2020	91.5	9,950	5,295	4,309	319,520	8,828	0
33	4/6/2020	96.3	10,018	5,603	4,542	319,760	8,584	0
34	4/7/2020	94.6	10,222	5,655	4,270	322,560	8,210	0
35	4/7/2020	95	10,068	5,750	4,466	317,840	8,430	0
36	4/7/2020	93.1	10,377	5,386	4,145	322,300	8,846	0
37	4/7/2020	92.5	10,130	5,696	4,258	316,720	8,857	0
38	4/7/2020	92.9	10,075	5,551	3,894	321,300	8,139	0
39	4/8/2020	75.9	8,937	6,133	5,069	319,530	9,299	0
40	4/8/2020	96.5	10,107	5,965	3,936	320,630	8,614	0
41	4/8/2020	98.9	10,027	5,969	4,335	322,720	8,789	0
42	4/8/2020	99.3	9,885	5,393	4,917	321,880	8,367	0
43	4/9/2020	98.8	9,771	5,832	4,703	322,500	8,348	0
44	4/9/2020	98.7	9,890	5,925	3,875	321,300	8,756	0
45	4/9/2020	98.5	9,979	5,609	4,037	320,450	8,756	0
46	4/9/2020	76.1	8,398	5,981	4,945	320,000	10,126	0
47	4/10/2020	99.2	9,918	5,948	4,405	309,820	7,992	0
48	4/10/2020	98.8	9,696	5,924	4,170	327,680	8,777	0
49	4/10/2020	97.8	9,682	5,558	4,240	321,740	8,620	0
50	4/10/2020	96.5	9,598	6,001	5,489	318,320	8,661	0
51	4/10/2020	98.8	9,915	6,187	4,601	247,665	15,608	0

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ATTACHMENT 2
STIM REPORT**

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
52	4/12/2020	92.8	9,417	6,168	4,461	313,100	8,631	0
53	4/12/2020	95	9,873	6,030	3,912	322,231	9,127	0
54	4/12/2020	97.6	9,611	6,020	5,156	296,510	8,302	0
55	4/13/2020	97.1	9,962	6,157	5,699	332,875	9,023	0
56	4/13/2020	96.8	9,536	6,599	5,800	318,460	8,319	0
57	4/13/2020	96.7	9,635	6,869	5,497	320,180	8,692	0
58	4/13/2020	92.1	9,563	6,173	4,499	321,200	9,808	0
59	4/13/2020	95.2	9,713	6,537	4,693	281,010	8,165	0
60	4/14/2020	97.3	9,760	6,215	4,387	308,265	8,342	0
61	4/14/2020	97.4	9,542	5,981	4,248	328,195	8,822	0
62	4/14/2020	93	9,334	6,070	4,482	321,900	9,197	0
63	4/14/2020	97.9	9,392	6,192	5,252	322,060	8,329	0
64	4/14/2020	93.6	9,275	6,114	4,921	240,940	7,391	0
65	4/15/2020	96	9,364	6,413	5,662	320,440	8,536	0
66	4/15/2020	98.1	9,541	6,276	5,669	316,440	8,441	0
67	4/16/2020	93.2	9,474	6,378	4,527	318,420	8,493	0
68	4/16/2020	97.3	9,455	6,445	5,912	324,800	8,487	0
69	4/16/2020	89.7	9,735	6,319	4,668	170,925	6,371	0
70	4/16/2020	83.3	9,278	5,905	4,671	312,355	10,922	0
71	4/16/2020	93.7	9,556	6,781	4,760	323,580	8,879	0
72	4/17/2020	91.3	9,507	6,252	5,315	295,430	10,141	0
73	4/17/2020	85.6	8,874	6,317	5,148	200,310	7,237	0
74	4/17/2020	91.7	8,939	6,270	5,590	278,700	7,870	0
75	4/17/2020	88.3	8,865	6,809	5,955	296,560	8,426	0
76	4/17/2020	86	6,160	6,316	6,160	311,695	15,069	0
77	4/18/2020	92.9	9,274	6,812	5,153	329,125	9,919	0
78	4/18/2020	93	9,689	6,389	4,896	319,260	9,635	0
79	4/18/2020	52	9,501	6,175	5,034	117,380	4,427	0
80	4/18/2020	87.5	8,996	6,224	4,399	320,320	8,930	0
81	4/18/2020	94.7	9,096	6,416	4,803	317,020	9,032	0
82	4/19/2020	95.1	8,801	5,428	5,145	314,940	8,867	0
83	4/19/2020	92.2	9,061	5,862	4,636	314,380	8,785	0
84	4/19/2020	91.8	9,285	5,858	4,451	320,000	9,004	0
85	4/19/2020	93.4	9,160	6,066	4,700	319,500	8,908	0
86	4/19/2020	87.4	8,808	5,570	4,631	273,380	9,703	0
87	4/20/2020	89.2	8,638	5,562	5,391	235,315	7,713	0
88	4/20/2020	90.1	8,755	5,863	5,752	324,545	10,029	0
89	4/20/2020	85.7	8,656	5,775	4,890	207,885	6,130	0
90	4/21/2020	93.1	8,178	5,370	5,415	270,375	9,289	0
91	4/21/2020	83.5	8,772	5,416	5,658	319,480	10,229	0
92	4/21/2020	84.9	8,211	5,668	5,141	157,060	8,599	0
93	4/22/2020	83.2	8,109	4,762	3,744	320,920	12,352	0

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/20/2020
Job End Date:	4/22/2020
State:	West Virginia
County:	Wetzel
API Number:	47-103-03308-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Vernon Johnson WTZ 1
Latitude:	39.71790000
Longitude:	-80.54570000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,685
Total Base Water Volume (gal):	38,096,160
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

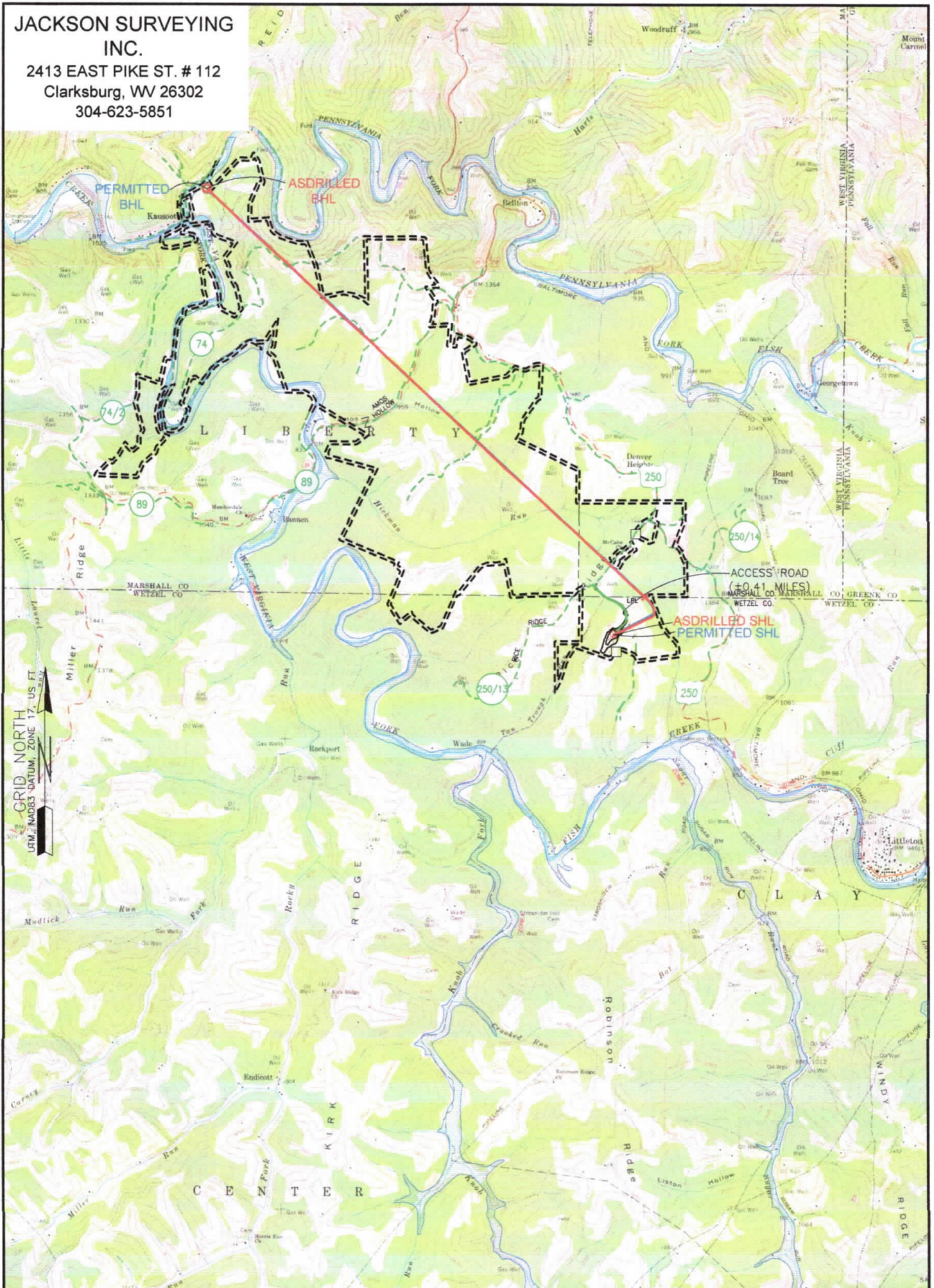
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Fresh Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	90.86284	Density = 8.34
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.52705	

RECEIVED
Office of Oil and Gas
JUL 23 2020
WV Department of Environmental Protection

FSTI-CI-01	FSTI	Acid Corrosion Inhibitor			Listed Below			
					Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant						
Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.								
			Crystalline silica, quartz	14808-60-7	100.00000	8.56679		
			Complex Amine Compound	Proprietary	60.00000	0.03758		
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02842		
			Sodium nitrate	7631-99-4	60.00000	0.02255		
			Complex Amine Compound	Proprietary	60.00000	0.01925		
			Methanol	67-56-1	80.00000	0.00834		
			Polyethoxylated fatty amine salt	61791-26-2	30.00000	0.00347		
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00313		
			Surfactant	Proprietary	5.00000	0.00313		
			Acetic acid	64-19-7	60.00000	0.00238		
			Sodium molybdate	10102-40-6	5.00000	0.00188		
			Ethoxylated alcohols	Proprietary	5.00000	0.00160		
			Citric acid	77-92-9	40.00000	0.00159		
			Sodium chloride	7647-14-5	5.00000	0.00066		
			Alkoxyated polyhydric alcohol	Proprietary	1.00000	0.00063		
			Ethoxylated alcohols	Proprietary	1.00000	0.00063		
			Organic chirodie compound	Proprietary	1.00000	0.00063		

RECEIVED
 Office of Oil and Gas
 JUL 23 2020
 WV Department of
 Environmental Protection

**JACKSON SURVEYING
INC.**
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851



GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

SURFACE HOLE LOCATION (SHL):

GEOGRAPHIC (NAD83):
LATITUDE: 39.717971°
LONGITUDE: -80.545746°

BOTTOM HOLE LOCATION (BHL):

GEOGRAPHIC (NAD83):
LATITUDE: 39.757855°
LONGITUDE: -80.592379°

4000 0 4000



GRAPHIC SCALE IN FEET

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: VERNON JOHNSON WTZ	WELL # 1H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200 MORGANTOWN, WV 26308	COUNTY - CODE WETZEL - 103	DISTRICT; CLAY	
SURFACE OWNER: VERNON S. JOHNSON ESTATE	USGS 7 1/2 QUADRANGLE MAP NAME LITTLETON, WV	API #: 047-103-03308	

**JACKSON SURVEYING
INC.**

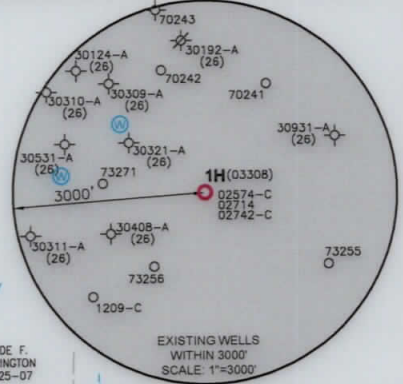
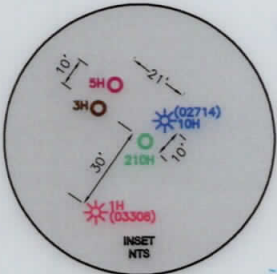
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

Latitude: 39°45'00" SURFACE HOLE 1,147'
Latitude: 39°47'30" BOTTOM HOLE 2,542'

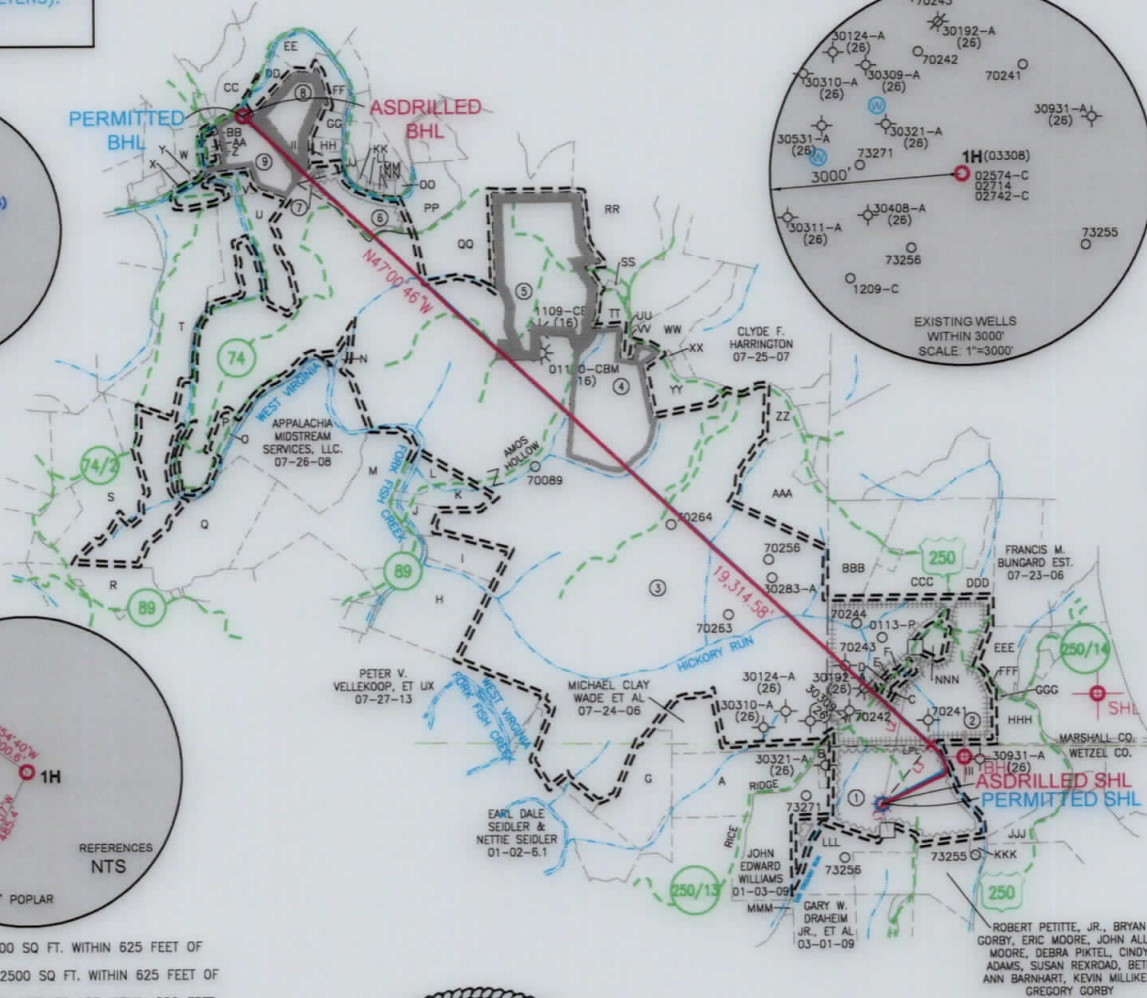
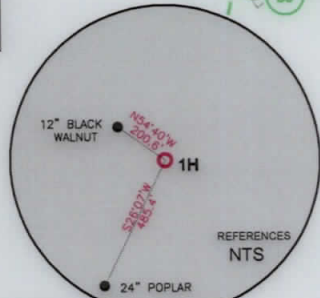
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,554.117 EASTING: 538,934.109
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,947.496 EASTING: 539,223.465
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,961.531 EASTING: 534,917.026

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,554.029 EASTING: 538,934.109
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,396,930.912 EASTING: 539,243.713
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,957.246 EASTING: 534,915.639

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 09°43'16" E	553.88'	SHL TO LANDMARK	30" POPLAR FOUND
L2	N 12°25'38" E	3346.43'	SHL TO LANDMARK	LARGE POST FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 36°20'13" E	1602.16'	2324.17'	SHL TO LP



GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



Longitude: 80°35'00"
Longitude: 80°32'30"
Longitude: 80°35'00"
Longitude: 80°32'30"
Longitude: 80°35'00"
Longitude: 80°32'30"
Longitude: 80°35'00"
Longitude: 80°32'30"

WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson



COMPANY: **SWN** Production Company, LLC **SWN** Production Company, LLC



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

VERNON JOHNSON Wtz
OPERATOR'S WELL #: 1H
API WELL #: 47 STATE 103 COUNTY PERMIT 03308

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: WEST VIRGINIA FORK FISH CREEK (HUC-10) ELEVATION: 1,431.1'

DISTRICT: CLAY COUNTY: WETZEL QUADRANGLE: LITTLETON, WV

SURFACE OWNER: VERNON S. JOHNSON ESTATE ACREAGE: ±132.00

OIL & GAS ROYALTY OWNER: LAURA LEE ABEREGG, JAMES JOSEPH ABEREGG, A/K/A JOSEPH ABEREGG, KEITH ABEREGG, JAMES DENZIL STONEKING, ROBERT MARK STALEY, BRIAN FRANKLIN BUTLER, CHRISTINE ELIZABETH BUTLER, & ELLEN VANNATTER & ALICE DRIVER, F/K/A ALICE LEBODE AMP FUND III, LP ACREAGE: ±132.00

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,686' TVD 27,775' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	— SURVEYED BOUNDARY	REVISIONS:	DATE: 07-09-2020
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		
⊙ EXISTING / PRODUCING WELLHEAD	==== LEASE BOUNDARY		
LPL * LANDING POINT LOCATION	— ASDRILLED PATH		
⊙ EXISTING WATER WELL	— PROPOSED PATH		
⊙ EXISTING SPRING			

JACKSON SURVEYING

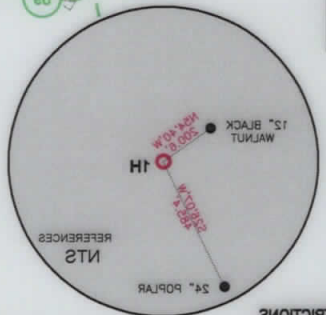
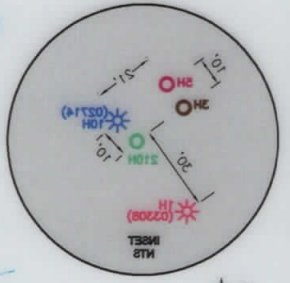
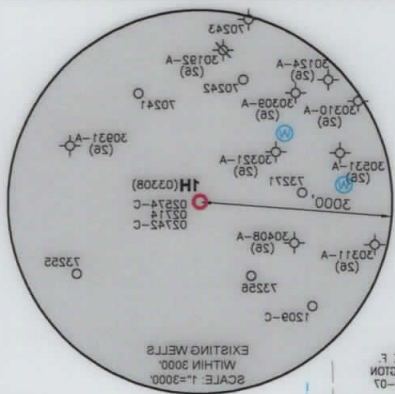
INC.
2413 EAST PIKE ST. # 112
Clarkspurg, WV 26305
304-623-2851

BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17 METERS): NORTHING: 4,400,917.231 EASTING: 234,917.026
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17 METERS): NORTHING: 4,398,947.496 EASTING: 238,934.109
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17 METERS): NORTHING: 4,398,254.117 EASTING: 238,934.109

Latitude: 39°47'30"

BOTTOM HOLE 2,542'

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 08°43'18" E	253.88'	SHL TO LANDMARK	30" POPLAR FOUND
L2	N 12°52'38" E	234.843'	SHL TO LANDMARK	LARGE POST FOUND
L3	N 36°50'13" E	1802.18'	CURVE LENGTH	SHL TO LP



Longitude: 80.22,00"



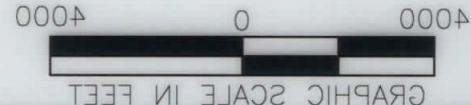
WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS < 2500 SQ. FT. WITHIN 825 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS < 2500 SQ. FT. WITHIN 825 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUGH WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD LIMITS OF DISTURBANCE. E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- SURFACE AND PROPERTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL AREAS ARE GROUND UNLESS OTHERWISE DEPICTED.
- THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

David Jackson



COMPANY: SWN Production Company, LLC
SWN

VERNON JOHNSON WTS
OPERATOR'S WELL #: 1H
API WELL #: 47
STATE: WV
COUNTY: PUTNAM
PERMIT: 03308

ELEVATION: (NAVD 88, US FT)
SOURCE OF GRADE GPS
PROVEN SURVEY
ACCURACY: 1/200
MINIMUM DEGREE OF (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WV DEP
OFFICE OF OIL & GAS
601 27TH STREET
CHARLESTON, WV 25304



WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: WEST VIRGINIA FORK FISH CREEK (HUC-10)
DISTRICT: CLAY
COUNTY: WETZEL

SURFACE OWNER: VERNON S. JOHNSON ESTATE
OIL & GAS ROYALTY OWNER: LARA LEE ABERG, JAMES JOSEPH ABERG, A.K.A. JOSEPH ABERG, KEITH ABERG, JAMES DENISE ABERG, ROBERT MARK STATER, BRIAN FRANKLIN BUTLER, CHRISTINE ELIZABETH BUTLER, & ELLEN VANANTWERP & ALICE DRIVER, F.K.A. ALICE LEBODE WMP FUND III LP

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) ASDRIILLED
PERFORATE NEW FORMATION PLUG OFF OLD FORMATION FRACTURE OR STIMULATE DRILL DEEPER REDRILL

TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: 7,888' TMD 27,725' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITANNY WOODY
ADDRESS: 1300 FORT PIERPONT ROAD SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

REVISIONS:
DATE: 07-09-2020
DRAWN BY: N. MANO
SCALE: 1" = 4000'
DRAWING NO.:
WELL LOCATION PLAN



LEGEND:
EXISTING SPRING
EXISTING WATER WELL
LANDING POINT LOCATION
EXISTING \ PRODUCING WELHEAD
PROPOSED SURFACE HOLE \ BOTTOM HOLE
PROPOSED PATH
ASDRILLED PATH
LEASE BOUNDARY
SURVEYED BOUNDARY
DRILLING UNIT

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

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	VERNON S. JOHNSON ESTATE (S)/ LAURA LEE ABEREGG, JAMES JOSEPH ABEREGG, A/K/A JOSEPH ABEREGG, KEITH ABEREGG, JAMES DENZIL STONEKING, ROBERT MARK STALEY, BRIAN FRANKLIN BUTLER, CHRISTINE ELIZABETH BUTLER ELLEN VANNATTER & ALICE DRIVER, F/K/A ALICE LEBODA AMP FUND III, LP (R)	03-01-01
TRACT	SURFACE OWNER	TAX PARCEL
2	MICHAEL J. PRENDERGAST & SUE ELLEN LEMLEY (S)	07-23-26
3	WEST VIRGINIA WILDLIFE RESOURCES SECTION (S)	07-24-01
4	JASON M. GRESHAW & MARY L. GRESHAW (S)	07-25-02
5	AMMON A. BURLEY (S)	07-20-37
6	AMMON A. BURLEY, ET UX (S)	07-20-12
7	ANNIE L. GEHO, EST. (S)	07-20-11
8	JUDITH A. BURGE & VIRGINIA L. BAILEY, ET AL (S)	07-20-06
9	ALAN UNDERDONK (S)	07-16-25.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	D.W. ABEREGG ESTATE & WILLIAM D. ABEREGG ET AL, B.A. ABEREGG L/E	01-03-02
B	LONNY DAVID LONG & LINDA SUE LONG	01-03-2.1
C	RICE RIDGE CEMETERY	07-23-27
D	MCCABE ME CHURCH	07-23-28
E	RICE RIDGE COMMUNITY CHURCH, TRUSTEES	07-23-26.1
F	KATHLEEN MACKEY & DEBRA POE	07-23-26.3
G	KATHERINE E. WILLIAMS TRUST	01-03-01
H	PETER V. VELLEKOOP, ET UX	07-27-11
I	PETER V. VELLEKOOP, ET UX	07-27-10.1
J	PETER VELLEKOOP, ET UX	07-26-6.2
K	PETER VELLEKOOP, ET UX	07-26-6.1
L	DANIEL D. GEDEON, ET UX	07-26-06
M	JOSEPH LEE YOCUM & MICHAEL D. YOCUM	07-26-09
N	WILLIAM GARTLAND ET AL	07-26-03
O	JOHN M. BUTLER & LISA A. BUTLER	07-26-11.1
P	HUNDRED RESOURCES INC.	07-26-11
Q	DELORSE A. HORNER	07-26-10
R	JOHN E. RIGGS, JR. & DELANA RIGGS	07-27-02
S	JAMES E. MORGAN (LIFE)	07-26-14
T	REVOCABLE LIVING TRUST OF M. PEGGY GRIBBEN	07-19-28
U	BRAD FROMHART, ET UX (LIFE)	07-20-41
V	BRAD FROMHART, ET UX (LIFE)	07-20-01
W	GAIL CUMPSTON	07-19-20
X	CHARLES VUCELICK, EST.	07-19-22
Y	DALTON SHARPENBERG & DEREK SHARPENBERG	07-19-21
Z	SUE ELLEN MARLING	07-20-03
AA	JUDITH A. BURGE & VIRGINIA L. BAILEY	07-20-04
BB	CHARLES E. CONNELLY	07-20-05
CC	JOHN MATTHEW BUTLER	07-16-39
DD	JUDITH A. BURGE & VIRGINIA L. BAILEY, ET AL	07-16-40
EE	JOHN E. RIGGS, JR.	07-16-41
FF	JOHN E. RIGGS, JR.	07-16-43
GG	ANNIE L. GEHO, EST.	07-20-07

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
HH	ANNIE L. GEHO, EST.	07-20-09
II	ANNIE L. GEHO, EST.	07-20-10
JJ	ROBERT B. MCCLURE, ET AL	07-20-13.2
KK	W. DOUGLAS VADAS & MARY B. VADAS	07-20-14
LL	WILLIAM E. YOUNG, EST.	07-20-15
MM	JAMES ARRITT, ET UX	07-20-13.1
NN	PERRY J. JONES	07-20-16
OO	WYATT A. MCCLURE	07-20-16.1
PP	AMMON BURLEY	07-20-18
QQ	AMMON A. BURLEY	07-20-24
RR	AMMON A. BURLEY, ET UX	07-20-26
SS	DENNIS DEAN HALL, ET UX	07-20-35
TT	AMMON A. BURLEY, ET UX	07-20-36
UU	AMMON A. BURLEY, ET UX	07-25-03
VV	NEWMAN M. LONGWELL, ET UX	07-25-2.1
WW	ANDREW C. BROWN III	07-25-04
XX	JOHN C RICHARDS ET UX	07-25-13
YY	ANDREW C. BROWN III	07-25-06
ZZ	WEST VIRGINIA DEPARTMENT OF COMMERCE DIVISION OF NATURAL RESOURCES	07-25-09
AAA	THOMAS EARL CONAWAY, JR. & CAROLYN K. STOWE	07-25-12
BBB	THOMAS E. CONAWAY	07-23-01
CCC	FRED ELWOOD HORNER - LIFE	07-23-03
DDD	ALMA O. PIERCE	07-23-04
EEE	JEFFREY W. GRANT & VIRGINIA F. GRANT	07-23-21
FFF	JEFFREY W. GRANT, ET UX	07-23-22
GGG	CHARLES BRADLEY BYERLY	07-23-24
HHH	BOBBY RONALD DISHMAN	07-23-25
III	MICHAEL J. PRENDERGAST & SUE ELLEN PRENDERGAST	03-01-02
JJJ	CATHERINE A. TEDROW, HERBERT P. & WILLIAM C. TEDROW II L/E	03-02-2.1
KKK	WV MINERALS INC	03-01-03
LLL	HERBERT P. DRAHEIM, ET AL	03-01-06
MMM	JOHN EDWARD WILLIAMS	01-03-09

REVISIONS:	COMPANY:	 		
	OPERATOR'S	VERNON JOHNSON WTZ	API #:	DATE: 07-09-2020
	WELL #:	1H	047-103-03308	DRAWN BY: N. MANO
	DISTRICT:	CLAY	COUNTY:	SCALE: N/A
			STATE:	DRAWING NO:
			WV	WELL LOCATION PLAT 2

TRACT	SURFACE OWNER	TAX PARCEL
1	LEBODA AMP FUND III, LP (R) ELLEN VANNATTER & ALICE DRIVER, F\K\A ALICE FRANKLIN BUTLER, CHRISTINE ELIZABETH BUTLER DENZIL STONEKING, ROBERT MARK STALEY, BRIAN JOSEPH ABEREGG, KEITH ABEREGG, JAMES ABEREGG, JAMES JOSEPH ABEREGG, A\K\A VERNON S. JOHNSON ESTATE (2) \ LAURA LEE	03-01-01
2	MICHAEL J. PRENDERGAST & SUE ELLEN LEMLEY (2)	07-23-26
3	WEST VIRGINIA WILDLIFE RESOURCES SECTION (2)	07-24-01
4	JASON M. GRESHAW & MARY J. GRESHAW (2)	07-25-02
5	AMMON A. BURLEY (2)	07-20-37
6	AMMON A. BURLEY, ET UX (2)	07-20-12
7	ANNIE L. GEHO, EST. (2)	07-20-11
8	JUDITH A. BURGE & VIRGINIA L. BAILEY, ET AL (2)	07-20-08
9	ALAN UNDERDONK (2)	07-18-25.1

TRACT	SURFACE OWNER	TAX PARCEL
A	D.W. ABEREGG ESTATE & WILLIAM D. ABEREGG ET AL, B.A. ABEREGG L\E	01-03-02
B	LONNY DAVID LONG & LINDA SUE LONG	01-03-21
C	RICE RIDGE CEMETERY	07-23-27
D	MCCABE ME CHURCH	07-23-28
E	RICE RIDGE COMMUNITY CHURCH, TRUSTEES	07-23-28.1
F	KATHEEN MACKAY & DEBRA POE	07-23-28.3
G	KATHERINE E. WILLIAMS TRUST	01-03-01
H	PETER V. VELLEKOOP, ET UX	07-27-11
I	PETER V. VELLEKOOP, ET UX	07-27-10.1
J	PETER VELLEKOOP, ET UX	07-26-8.2
K	PETER VELLEKOOP, ET UX	07-26-8.1
L	DANIEL D. GEDON, ET UX	07-26-08
M	JOSEPH LEE YOCUM & MICHAEL D. YOCUM	07-26-09
N	WILLIAM GARLAND ET AL	07-26-03
O	JOHN M. BUTLER & LISA A. BUTLER	07-26-11.1
P	HUNDRED RESOURCES INC.	07-26-11
Q	DELORSE A. HORNER	07-26-10
R	JOHN E. RIGGS, JR. & DELANA RIGGS	07-27-02
S	JAMES E. MORGAN (LIFE)	07-26-14
T	REVOCABLE LIVING TRUST OF M. PEGGY GRIBBEN	07-19-28
U	BRAD FROMHART, ET UX (LIFE)	07-20-41
V	BRAD FROMHART, ET UX (LIFE)	07-20-01
W	GAIL CUMPTON	07-19-20
X	CHARLES VUCELICK, EST.	07-19-22
Y	DALTON SHARPEBERG & DEREK SHARPEBERG	07-19-21
Z	SUE ELLEN MARLING	07-20-03
AA	JUDITH A. BURGE & VIRGINIA L. BAILEY	07-20-04
BB	CHARLES E. CONNELLY	07-20-02
CC	JOHN MATTHEW BUTLER	07-18-39
DD	JUDITH A. BURGE & VIRGINIA L. BAILEY, ET AL	07-18-40
EE	JOHN E. RIGGS, JR.	07-18-41
FF	JOHN E. RIGGS, JR.	07-18-43
GG	ANNIE L. GEHO, EST.	07-20-07
AAA	THOMAS EARL CONAWAY, JR. & CAROLYN K. STOWE	07-25-12
BBB	THOMAS E. CONAWAY	07-23-01
CCC	FRED ELWOOD HORNER - LIFE	07-23-03
DDD	ALMA O. PIERCE	07-23-04
EEE	JEFFREY W. GRANT & VIRGINIA F. GRANT	07-23-21
FFF	JEFFREY W. GRANT, ET UX	07-23-22
GGG	CHARLES BRADLEY BYERLY	07-23-24
HHH	BOBBY RONALD DISHMAN	07-23-25
III	MICHAEL J. PRENDERGAST & SUE ELLEN PRENDERGAST	03-01-02
JJJ	CATHERINE A. TEDROW, HERBERT P. & WILLIAM C. TEDROW II L\E	03-02-21
KKK	WV MINERALS INC	03-01-03
LLL	HERBERT P. DRAHEIM, ET AL	03-01-08
MMM	JOHN EDWARD WILLIAMS	01-03-09

TRACT	SURFACE OWNER	TAX PARCEL
HH	ANNIE L. GEHO, EST.	07-20-09
II	ANNIE L. GEHO, EST.	07-20-10
JJ	ROBERT B. MCCURE, ET AL	07-20-13.2
KK	W. DOUGLAS VADAS & MARY B. VADAS	07-20-14
LL	WILLIAM E. YOUNG, EST.	07-20-12
MM	JAMES ARRIETT, ET UX	07-20-13.1
NN	PERRY J. JONES	07-20-18
OO	WAYTT A. MCCURE	07-20-18.1
PP	AMMON BURLEY	07-20-18
QQ	AMMON A. BURLEY	07-20-24
RR	AMMON A. BURLEY, ET UX	07-20-28
SS	DENNIS DEAN HALL, ET UX	07-20-25
TT	AMMON A. BURLEY, ET UX	07-20-26
UU	AMMON A. BURLEY, ET UX	07-25-03
VV	NEWMAN M. LONGWELL, ET UX	07-25-2.1
WW	ANDREW C. BROWN III	07-25-04
XX	JOHN C. RICHARDS ET UX	07-25-13
YY	ANDREW C. BROWN III	07-25-08
ZZ	WEST VIRGINIA DEPARTMENT OF COMMERCE DIVISION OF NATURAL RESOURCES	07-25-09

DATE: 07-08-2020		DRAWN BY: N. MANO		SCALE: N/A		DRAWING NO:		WELL LOCATION PLAT 2	
APL #: 047-103-03308		STATE: WV		COUNTY: WETZEL		DISTRICT: CLAY		WELL #: 1H	
OPERATOR'S: VERNON JOHNSON WTS		COMPANY: SWN Production Company, LLC		REVISIONS:		DATE: 07-08-2020		DRAWN BY: N. MANO	