

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

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Office of Oil & Gas
OCT 26 2022

WV Department of
Environmental Protection

API 47 - 069 - 00336 County OHIO District TRIADELPHIA
Quad WHEELING, WV Pad Name TIMMY MINCH-OHI-PAD1 Field/Pool Name PANHANDLE FIELD WET
Farm name SWN PRODUCTION COMPANY, LLC Well Number TIMMY MINCH OHI 10H
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 4,437,286.124 Easting 530,162.823
Landing Point of Curve Northing 4,437,198.527 Easting 530,087.742
Bottom Hole Northing 4,433,424.391 Easting 531,851.034

Elevation (ft) 1208.2' 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 4/7/2022 Date drilling commenced 6/1/2022 Date drilling ceased 6/21/2022
Date completion activities began 8/8/2022 Date completion activities ceased 9/20/2022
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 306' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 638' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 519' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED
Reviewed by:
[Signature]
12/13/2022
12/16/2022

WR-35
Rev. 8/23/13

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API 47-069 - 00336

Farm name SWN PRODUCTION COMPANY, LLC Well name TIMMY MINCH OHI 10H

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	136	NEW	J-55/94#		Y
Surface	17.5	13.375	530	NEW	J-55/54.5#	415.5'	Y; 32 BBLS
Coal	SEE SURFACE CSG						
Intermediate 1	12.25	9.625	1,902	NEW	K-55/36#		Y; 44 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75	5.5	20,214	NEW	HCP-110/20#		N
Tubing		2.875	6,487	NEW	P-110/6.50#		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	627	15.60	1.19	746.13	SURFACE	8
Coal							
Intermediate 1	CLASS A	762	15.60	1.19	906.78	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,656	14.50	1.29	4716.24	1,290'	24
Tubing							

Drillers TD (ft) 20,214'

Loggers TD (ft) 20,214'

Deepest formation penetrated MARCELLUS

Plug back to (ft) 20,122'

Plug back procedure N/A

Kick off depth (ft) 5,205' TVD

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

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 _____

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Well Name:

TIMMY MINCH OHI 10H

47069003360000

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	306.00	306.00	
Top of Salt Water	638.00	638.00	NA	NA	
Pittsburgh Coal	469.00	469.00	474.00	474.00	
Pottsville (ss)	647.00	647.00	692.00	692.00	
Raven Cliff (ss)	1051.00	1051.00	1134.00	1134.00	
Maxton (ss)	1380.00	1380.00	1506.00	1506.00	
Big Injun (ss)	1546.00	1546.00	1901.00	1901.00	
Berea (siltstone)	2099.00	2099.00	2138.00	2138.00	
Rhinestreet (shale)	5573.00	5514.00	5852.00	5772.00	
Cashaqua (shale)	5852.00	5772.00	5925.00	5833.00	
Middlesex (shale)	5925.00	5833.00	6005.00	5897.00	
Burket (shale)	6005.00	5897.00	6027.00	5913.00	
Tully (ls)	6027.00	5913.00	6098.00	5962.00	
Mahantango (shale)	6098.00	5962.00	6272.00	6056.00	
Marcellus (shale)	6272.00	6056.00	NA	NA	GAS

**TIMMY MINCH OHI 10H
ATTACHMENT 1
PERF REPORT**

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STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	7/18/2022	20,122	20,028	36
2	8/9/2022	19,994	19,814	36
3	8/9/2022	19,780	19,600	36
4	8/10/2022	19,566	19,386	36
5	8/10/2022	19,352	19,172	66
6	8/11/2022	19,139	18,958	36
7	8/12/2022	18,925	18,745	36
8	8/12/2022	18,711	18,531	36
9	8/12/2022	18,497	18,317	36
10	8/13/2022	18,283	18,103	36
11	8/13/2022	18,069	17,889	36
12	8/13/2022	17,856	17,675	36
13	8/14/2022	17,642	17,462	36
14	8/14/2022	17,428	17,248	36
15	8/15/2022	17,214	17,034	36
16	8/16/2022	17,000	16,820	36
17	8/16/2022	16,786	16,606	36
18	8/17/2022	16,573	16,392	36
19	8/17/2022	16,359	16,178	36
20	8/17/2022	16,145	15,965	36
22	8/18/2022	15,715	15,537	36
23	8/19/2022	15,503	15,323	36
24	8/19/2022	15,289	15,109	36
25	8/19/2022	15,076	14,895	36
26	8/20/2022	14,862	14,682	36
27	8/20/2022	14,648	14,468	36
28	8/20/2022	14,434	14,254	36
29	8/21/2022	14,220	14,040	36
30	8/22/2022	14,006	13,826	36
31	8/22/2022	13,793	13,612	36
32	8/23/2022	13,579	13,398	36
33	8/23/2022	13,365	13,185	36
34	8/23/2022	13,151	12,971	36
35	8/24/2022	12,937	12,757	36
36	8/24/2022	12,723	12,543	36
37	8/25/2022	12,509	12,329	36
38	8/25/2022	12,296	12,115	36
39	8/25/2022	12,082	11,902	36
40	8/25/2022	11,868	11,688	36
41	8/26/2022	11,654	11,474	36
42	8/26/2022	11,440	11,260	36
43	8/26/2022	11,226	11,046	36
44	8/27/2022	11,013	10,832	36

**TIMMY MINCH OHI 10H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
45	8/27/2022	10,799	10,619	36
46	8/27/2022	10,585	10,405	36
47	8/27/2022	10,371	10,191	36
48	8/28/2022	10,157	9,977	36
49	8/28/2022	9,943	9,763	36
50	8/28/2022	9,730	9,549	36
51	8/29/2022	9,516	9,335	36
52	8/29/2022	9,302	9,122	36
53	8/30/2022	9,088	8,908	36
54	8/30/2022	8,874	8,694	36
55	8/30/2022	8,660	8,480	36
56	8/30/2022	8,446	8,266	36
57	8/31/2022	8,233	8,052	36
58	8/31/2022	8,019	7,839	36
59	8/31/2022	7,805	7,625	36
60	8/31/2022	7,591	7,411	36
61	9/1/2022	7,377	7,197	36
62	9/1/2022	7,163	6,983	36
63	9/1/2022	6,950	6,769	36
64	9/1/2022	6,736	6,555	36
65	8/26/2022	6,522	6,342	36

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TIMMY MINCH OHI 10H

ATTACHMENT 2

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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 separation agents	Amount of nitrogen/others
1	8/8/2022	86.8	8,848	9,309	4,821	205,860	6,118		0
2	8/9/2022	87.4	8,098	5,665	4,695	376,000	9,151		0
3	8/10/2022	93.8	9,025	5,524	4,569	374,440	8,918		0
4	8/10/2022	95.7	8,600	5,261	4,621	388,455	8,541		0
5	8/11/2022	79	6,807	7,579	4,702	366,290	13,056		0
6	8/11/2022	83.1	8,386	6,007	4,818	370,780	8,379		0
7	8/12/2022	93.9	8,447	7,962	4,575	370,798	8,349		0
8	8/12/2022	91.8	8,104	6,215	4,975	386,090	8,312		0
9	8/12/2022	92.7	8,517	6,058	4,247	370,883	8,400		0
10	8/13/2022	96.3	8,154	6,742	4,623	363,930	8,227		0
11	8/13/2022	78	8,311	6,300	4,479	354,030	8,470		0
12	8/14/2022	93.5	7,941	6,378	4,869	368,420	7,764		0
13	8/14/2022	91.2	8,435	5,857	5,241	367,920	7,904		0
14	8/15/2022	94.9	8,101	6,403	4,623	370,620	7,791		0
15	8/15/2022	90.9	8,226	5,671	5,430	370,290	7,785		0
16	8/16/2022	96.8	8,025	5,693	4,668	368,840	7,657		0
17	8/16/2022	92.3	8,253	5,953	5,293	354,800	7,703		0
18	8/17/2022	91.8	7,955	5,687	4,854	364,240	7,670		0
19	8/17/2022	96.5	8,473	5,785	4,685	366,690	7,754		0
20	8/17/2022	98.9	8,437	6,025	4,458	367,040	7,515		0
22	8/17/2022	88.2	8,236	5,984	4,344	467,900	15,386		0
23	8/19/2022	97.9	8,421	5,745	4,789	368,240	7,782		0
24	8/19/2022	98.1	8,236	5,066	4,564	357,750	7,686		0
25	8/20/2022	94.2	8,434	4,317	4,680	323,458	7,813		0
26	8/20/2022	98.4	8,341	6,068	4,657	381,840	7,855		0
27	8/20/2022	98.9	8,290	5,847	4,534	370,680	7,696		0
28	8/21/2022	98.6	8,294	5,883	4,653	351,420	7,645		0
29	8/22/2022	98.3	8,138	5,102	4,653	376,100	7,547		0
30	8/22/2022	98.6	8,127	4,715	4,764	367,890	7,633		0
31	8/23/2022	94.2	8,194	6,504	4,972	381,400	7,470		0
32	8/23/2022	97.5	8,198	5,231	4,653	371,670	7,644		0
33	8/23/2022	78.1	6,901	6,390	5,329	370,840	8,510		0
34	8/24/2022	98.3	8,160	6,117	4,680	374,230	7,601		0
35	8/24/2022	97.6	8,222	5,725	487	375,480	7,508		0
36	8/24/2022	91.3	8,251	6,340	5,430	406,100	8,157		0
37	8/25/2022	96.5	7,915	6,087	4,789	391,880	7,769		0
38	8/25/2022	98.9	7,906	6,313	4,545	369,690	7,376		0
39	8/25/2022	94	7,781	4,275	5,942	405,070	7,233		0
40	8/26/2022	94.2	7,983	6,180	5,423	376,530	7,343		0
41	8/26/2022	86.3	7,030	4,577	4,890	390,060	7,363		0
42	8/26/2022	95.8	7,768	5,782	4,231	367,440	9,239		0
43	8/26/2022	95.2	8,109	6,010	4,870	369,250	7,196		0
44	8/27/2022	96	7,595	5,850	4,787	401,360	7,374		0
45	8/27/2022	98.8	7,552	5,567	4,790	353,230	7,367		0
46	8/27/2022	94.9	7,753	5,400	5,160	412,780	7,153		0
47	8/28/2022	94.4	7,617	4,406	4,970	402,530	7,227		0
48	8/28/2022	97.8	7,594	4,764	4,900	409,639	7,335		0
49	8/28/2022	98.3	7,482	5,567	5,478	412,850	7,280		0
50	8/29/2022	94.9	7,504	5,608	5,089	405,930	7,165		0
51	8/29/2022	98.1	7,254	5,060	4,567	375,320	7,291		0
52	8/29/2022	97.2	7,203	5,892	4,654	402,950	7,503		0
53	8/30/2022	84.5	6,972	5,621	5,100	390,320	6,988		0
54	8/30/2022	98.4	7,130	4,752	4,874	356,740	7,122		0

TIMMY MINCH OHI 10H

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/other
55	8/30/2022	99.4	6,994	5,456	5,028	354,980	7,197	0
56	8/30/2022	95.5	6,901	5,560	5,006	365,610	7,072	0
57	8/31/2022	97.7	7,189	4,315	5,079	357,860	6,966	0
58	8/31/2022	94.6	7,069	5,936	4,025	356,900	7,350	0
59	8/31/2022	94.6	7,063	5,557	4,578	347,530	6,660	0
60	8/31/2022	95	6,967	5,742	4,782	372,260	6,930	0
61	9/1/2022	95	6,780	5,785	4,519	365,910	6,623	0
62	9/1/2022	94.1	6,759	6,093	4,418	339,750	6,844	0
63	9/1/2022	95.4	6,748	5,525	4,897	336,050	7,103	0
64	9/1/2022	96	6,973	6,322	4,721	360,900	6,880	0
65	9/2/2022	95	6,742	6,132	4,598	347,320	6,927	0

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/8/2022
Job End Date:	9/2/2022
State:	West Virginia
County:	Ohio
API Number:	47-069-00336-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	TIMMY MINCH OHI 10
Latitude:	40.08531263
Longitude:	-80.64619829
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,214
Total Base Water Volume (gal):	20,912,566
Total Base Non Water Volume:	0

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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	87.71061	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.26532	

			Water	7732-18-5	45.00000	0.26532	
			Water	7732-18-5	100.00000	0.26532	
Plexslick 930	SWN Well Services	Friction Reducer					
			RECEIVED Office of Oil & Gas OCT 26 2022 WV Department of Environmental Protection	Listed Below			
Plexaid 655NM	SWN Well Services	Scale Inhibitor					
				Listed Below			
FSTI-CI-02	SWN Well Services	Corrosion Inhibitor					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			
HCL	SWN Well Services	Solvent					
				Listed Below			
Ferriplex 80	SWN Well Services	Iron Control					
				Listed Below			
Tolicide 4Frac	SWN Well Services	Biocide					
				Listed Below			
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	11.94672	
			Hydrochloric Acid	7647-01-0	15.00000	0.03830	

			Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8	45.00000	0.00504
			Sodium Erythorbate	6381-77-7	100.00000	0.00136
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00084
			Ethanol	64-17-5	2.50000	0.00028
			Ethylene glycol	107-21-1	40.00000	0.00016
			Cinnamaldehyde	104-55-2	10.00000	0.00004
			N,N-Dimethylformamide	68-12-2	10.00000	0.00004
			Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	9016-45-9	10.00000	0.00004
			Triethyl phosphate	78-40-0	5.00000	0.00002
			1-Octanol	111-87-5	5.00000	0.00002
			2-Butoxyethanol	111-76-2	5.00000	0.00002
			benzyl chloridequaternized	72480-70-7	5.00000	0.00002
			Isopropyl alcohol	67-63-0	5.00000	0.00002
			1-Decanol	112-30-1	5.00000	0.00002

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* 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

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)

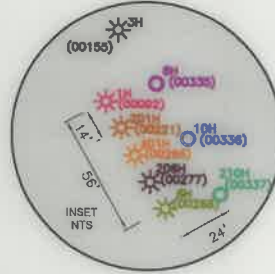
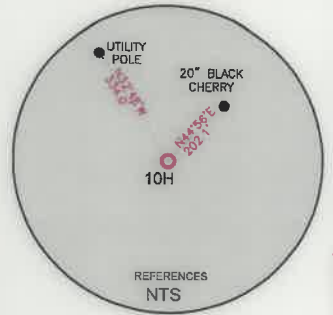
**JACKSON SURVEYING
INC.**

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

Latitude: 40°07'30"
Latitude: 40°05'00"

SURFACE HOLE 5930'

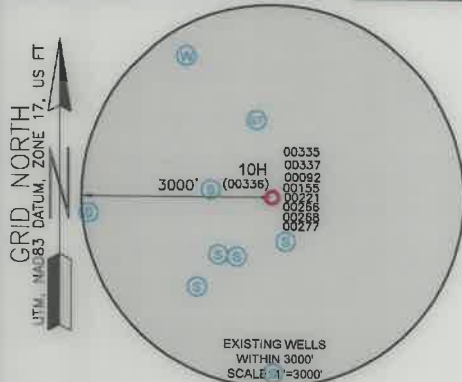
BOTTOM HOLE 444'



SURFACE HOLE LOCATION (SHL):	SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,285.964 EASTING: 530,162.167	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,286.124 EASTING: 530,162.823
LANDING POINT LOCATION (LPL):	LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,195.621 EASTING: 530,086.830	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,437,198.527 EASTING: 530,087.742
AZIMUTH POINT LOCATION-1 (AZL1):	AZIMUTH POINT LOCATION-1 (AZL1):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,434,703.839 EASTING: 531,156.034	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,434,706.989 EASTING: 531,150.737
AZIMUTH POINT LOCATION-2 (AZL2):	AZIMUTH POINT LOCATION-2 (AZL2):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,434,632.448 EASTING: 531,190.592	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,434,632.895 EASTING: 531,187.139
AZIMUTH POINT LOCATION-3 (AZL3):	AZIMUTH POINT LOCATION-3 (AZL3):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,806.991 EASTING: 531,637.524	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,807.172 EASTING: 531,642.609
AZIMUTH POINT LOCATION-4 (AZL4):	AZIMUTH POINT LOCATION-4 (AZL4):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,801.182 EASTING: 531,640.642	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,782.694 EASTING: 531,655.654
BOTTOM HOLE LOCATION (BHL):	BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,411.131 EASTING: 531,848.035	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,424.391 EASTING: 531,851.034

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 11°19'30" E	1415.91'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	N 55°48'22" E	1182.06'	SHL TO LANDMARK	FD. 5/8" REBAR
L5	S 28°03'12" E	91.00'	AZL3 TO AZL4	
L6	S 28°36'12" E	1338.94'	AZL4 TO BHL	

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 40°36'03" W	378.51'	1285.33'	SHL TO LP
L4	S 26°09'54" E	270.84'	270.97'	AZL1 TO AZL2



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. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. 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.

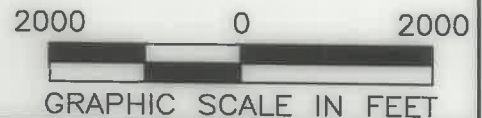
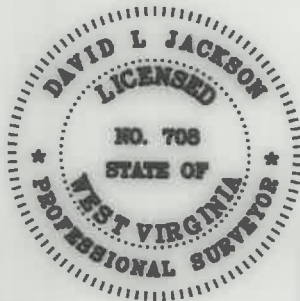
NOTES ON SURVEY

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 **SWN** ^{R₂} ^A ^{V⁺} ⁺ ⁺
Production Company, LLC Production Company™

(+) 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 SURVEY SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

TIMMY MINCH OHI
OPERATOR'S WELL #: 10H
API WELL #: 47 069 00336
STATE COUNTY PERMIT

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

WATERSHED: BROWNS RUN OF PETERS RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1208.2'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: WHEELING, WV

SURFACE OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

OIL & GAS ROYALTY OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

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: 6,273' 12/16/2022

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

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

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	09-19-2022
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
⊙ EXISTING WATER WELL	— LEASE BOUNDARY	
⊙ EXISTING SPRING	— ASDRILLED PATH	
LPL ⊙ LANDING POINT LOCATION	— PROPOSED PATH	
		DRAWN BY: N. MANO
		SCALE: 1" = 2000'
		DRAWING NO:
		WELL LOCATION PLAT

**JACKSON SURVEYING
INC.**

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



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

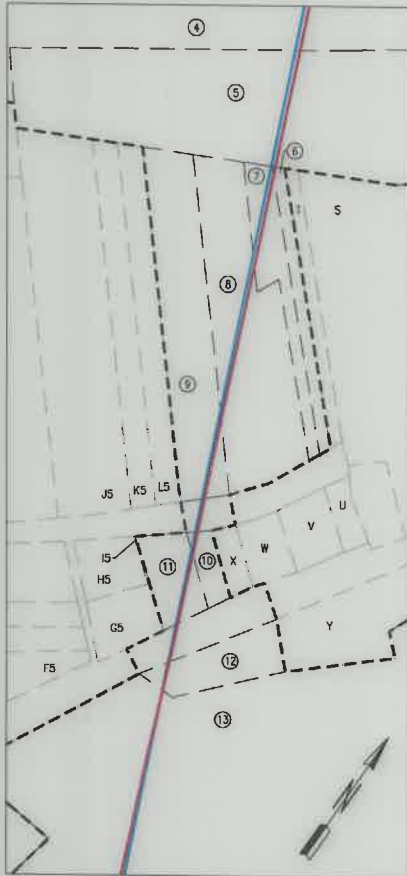
REVISIONS:	COMPANY:	12/16/2022	
	SWN Production Company, LLC	SWN Production Company™	
	OPERATOR'S	TIMMY MINCH OHI	DATE: 09-19-2022
	WELL #:	10H	DRAWN BY: N. MANO
	DISTRICT:	TRIADELPHIA	SCALE: N/A
	COUNTY:	OHIO	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2

**JACKSON SURVEYING
INC.**

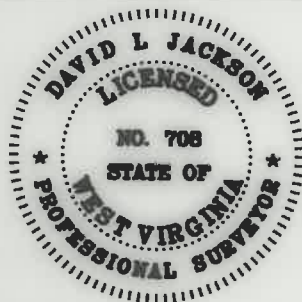
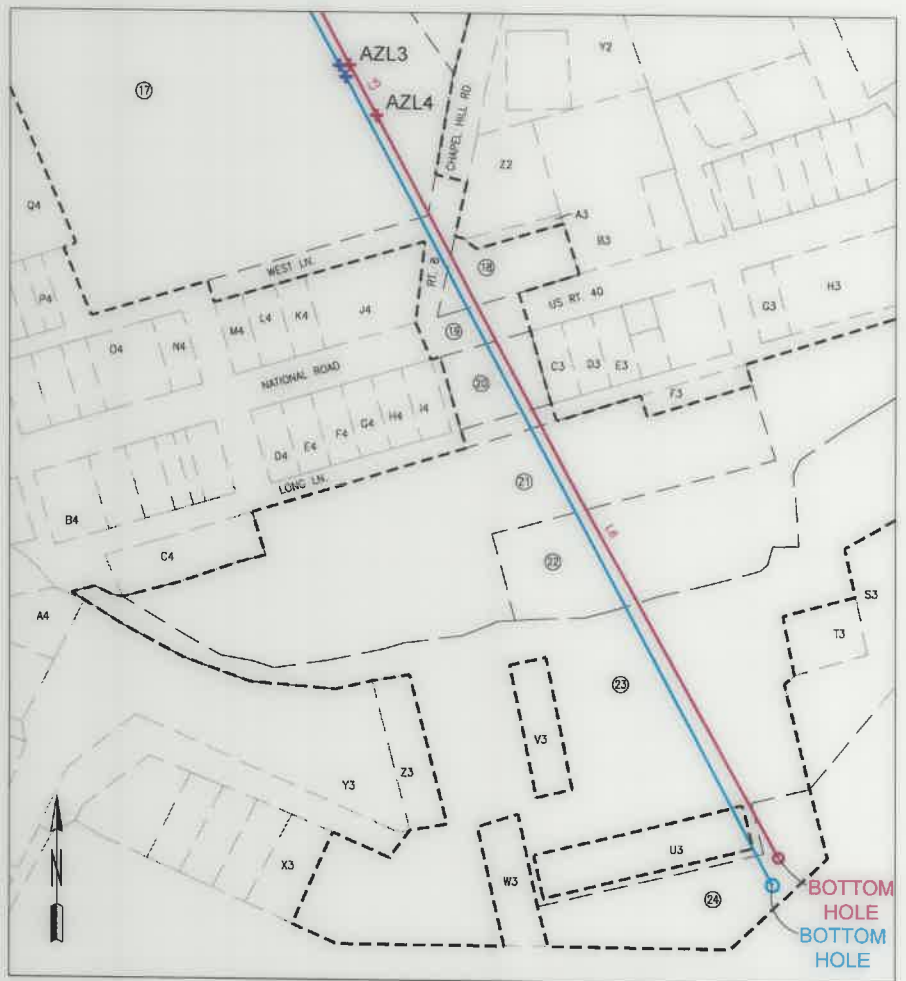
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	MINCH TIMMY B & AMY L (S/R)	6-T2-18
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	POCKL RONALD J (S)	6-T2-20.1
3	ORUM WILLIAM A & CYNTHIA E (S)	6-T2-19.1
4	DICKERSON CYNTHIA ANN ET AL (S)	6-T2-22
5	POWELL JAMES E JR & MARY A-LE POWELL J; POWELL M; BRAMAN M (S)	6-T7-180
6	WARD CHRISTIE L (S)	6-T7C-2
7	HARVEY CHASE M (S)	6-T7C-3
8	WARD CHRISTIE L (S)	6-T7C-5
9	WARD CHRISTIE L (S)	6-T7C-6
10	MCLAUGHLIN HENRY & JANICE (S)	6-T7C-17
11	MCLAUGHLIN HENRY & J (S)	6-T7G-1
12	HARRIS DONALD JEFFERY (S)	6-T7-147
13	LUCKY FARMS LLC (S)	6-T7-163
14	LUCKY FARMS KENNEL LLC (S)	6-T7-163.22
15	EDGE EDWARD M & CHRISTINE B (S)	6-T7-165
16	OHIO VALLEY IND & BUS DEV CORP (S)	6-T7-166.1
17	OHIO VALLEY IND & BUS DEV CORP (S)	7-TW4-8
18	YE OLD TRADERS INC (S)	7-TW4-23
19	WV DEPARTMENT OF TRANSPORTATION (S)	US RT. 40
20	TOWN OF TRIADDELPHIA (S)	7-TW4-77
21	MIDTOWN MOBILE HOMES INC (S)	7-TW4-93
22	TEMPLIN TIM T (S)	7-TW4-126.1
23	MIDTOWN MOBILE HOMES INC TEMPLIN TIM T & PATRICIA A (S)	7-TW4-126
24	MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) (S)	7-TW4-128

DETAIL "A"



DETAIL "B"



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

REVISIONS:	COMPANY:			DATE: 09-19-2022
		OPERATOR'S	TIMMY MINCH OHI	API #
		WELL #:	10H	47-069-
		DISTRICT:	COUNTY:	STATE:
		TRIADDELPHIA	OHIO	WV
				DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 3

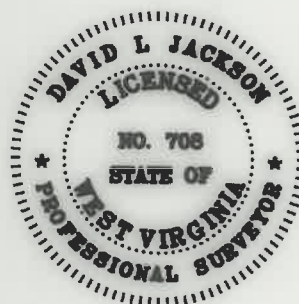
12/16/2022

**JACKSON SURVEYING
INC.**

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MINCH TIMMY B & AMY L	4-R17-58.1
B	MINCH ROBERT WILLIAM JR MINCH BARBARA JEAN	4-R17-57.2
C	MINCH ROBERT WILLIAM JR MINCH HERBERT PAUL	4-R17-57
D	NUTTING G OGDEN TRUST	4-R17-57.1
E	DEMURI HOME & GARDEN LLC	4-R17H-1
F	HALL EULA BERNICE	4-R18-3
G	HATCHER EDWARD A SR	6-T2-21.4
H	WOJCHOWSKI MORGAN A	6-T2-20
I	HATCHER EDWARD A	6-T2-21
J	NEUMAN MICHAEL C & COCHRAN SARAH	6-T2-21.1
K	NEUMAN MICHAEL C & COCHRAN SARAH	6-T2-25
L	LAUDERMILT GARY E & M A	6-T2-26.1
M	LAUDERMILT MARY A & G E	6-T2-26
N	CROFT REVOCABLE TRUST	6-T7-139
O	JONES LAMBERT	6-T2-24.1
P	CROFT SAMUEL E & ROSE M TRUST CROFT SAMUEL E & ROSE M; TEES	6-T2-24
Q	CROFT SAMUEL & ROSE	6-T2-24.2
R	SAPORITO MICHAEL A & RAE L	6-T7-136
S	POWELL JAMES E JR & MARY A-LE POWELL J; POWELL M; BRAMAN M	6-T7-137
T	WARD CHRISTIE L	6-T7C-1
U	CHAPLINE RICHARD L HARRIS DONALD N & J	6-T7C-13.1
V	HARRIS DONALD N & J A	6-T7C-13
W	HARRIS DONALD N & JOYCE A	6-T7C-14
X	WOOD V L & J L (LC- BYRS) DUMAS LILA MAE (LC-SLR)	6-T7C-16
Y	HARRIS DONALD JEFFERY	6-T7-147
Z	SCHMID DAVID J & ET	6-T7-146
A2	PAPADIMITRIOU KATHERINE M	6-T7-145
B2	FIGARETTI KATHERINE M ANTHONY F	6-T7-143.1
C2	FIGARETTI KATHERINE M & ANTHONY F	6-T7-143
D2	LAUDERMILT MARY ANN & GARY E SR	6-T7-142
E2	COREY MICHAEL & TIERRA	6-T7-158
F2	HEARN LYLE & KIMBERLIE	6-T7-173
G2	BOYD CECELIA	6-T7-172
H2	HANSON AUGUST J & LISA M	6-T7-163.20
I2	GALBREATH ROBERT W & DEBRA J	6-T7-163.11
J2	GRIFFIN DANIEL L & SARA C	6-T7-163.5
K2	KENT ROGER L JR & MELINDA J	6-T7-163.15
L2	KENT ROGER L JR AND MELINDA J	6-T7-163.18
M2	FULLERTON TODD	6-T7-163.16
N2	TUCKER ROBERT M & REBECCA E	6-T7-163.12
O2	GAUDINO GREGORY A & ANNETTE M	6-T7-163.13
P2	KHALIL BUSAINA	6-T7-163.7
Q2	KHALIL BUSAINA	6-T7-163.6
R2	GEORGE GREGORY P JR	6-T7-163.21
S2	SIMMS JAMES	6-T7-163.17
T2	BLISS CHARLIE A SR & MARY E	6-T7-164
U2	BLISS CHARLIE A SR & MARY E	6-T7-164.1
V2	ABUNDANT LIFE BAPTIST CHURCH ET AL	6-T7-172.12
W2	ABUNDANT LIFE BAPTIST CHURCH ET AL	6-T7-172.14
X2	BRINKMEIER WILLIAM JAY	6-T7-165.1
Y2	BRINKMEIER WILLIAM J	6-T7-177
Z2	TOWN OF TRIADELPHIA	7-TW4-23.1
A3	YE OLDE TRADERS INC	7-TW4-23.2
B3	TOWN OF TRIADELPHIA	7-TW4-24
C3	RODGERS CLINTON K & TRACY L	7-TW4-76
D3	HOWARD W LONG WV LLC	7-TW4-75
E3	HOWARD W LONG WV LLC	7-TW4-74
F3	COFFIELD PROPERTIES LLC	7-TW4-131
G3	TEMPLIN TIM T	7-TW4-71
H3	TEMPLIN FRED G	7-TW4-70
I3	KNOLLINGER KATHYRN M	7-TW8-75
J3	MARLIN DOUG & LEXANNE	7-TW4-94
K3	BONACCI RENTALS LLC	7-TW4-95
L3	BONACCI RENTAL LLC	7-TW4-56.1
M3	COOPER WILLIAM C	7-TW4-96
N3	WCC INC	7-TW4-97
O3	ROBINSON AUGUST FRANKLIN	6-T8-43.4
P3	ROBINSON JOYCE	6-T8-43.2
Q3	PARSONS JAMES	6-T7-182
R3	OHIO COUNTY COMMISSION	6-T12-53
S3	MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2)	7-TW4-129
T3	MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2)	7-TW4-127
U3	MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2)	7-TW4-123

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
V3	MIDTOWN MOBILE HOMES INC TEMPLIN TIM T & PATRICIA A	7-TW4-126
W3	MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2)	7-TW4-122
X3	MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2)	7-TW4-121
Y3	STARKEY OPHIE E & R S	7-TW4-124
Z3	MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2)	7-TW4-133
A4	SHAW JAMES AND MARY ANN	7-TW4-98
B4	BLEIFUS TIRE SERVICES INC	7-TW4-88
C4	BLEIFUS TIRE SERVICE INC	7-TW4-92
D4	ACQUISITIONS LLC	7-TW4-83
E4	ACQUISITIONS LLC	7-TW4-82
F4	KENT ROGER L SR & VIRGINIA M KENT ROGER L JR & MELINDA	7-TW4-81
G4	KENT ROGER L SR & VIRGINIA M KENT ROGER L JR & MELINDA	7-TW4-80
H4	KENT ROGER L SR & VIRGINIA M KENT ROGER L JR & MELINDA	7-TW4-79
I4	TOWN OF TRIADELPHIA	7-TW4-78
J4	TRIADELPHIA UNITED METHODIST CHURCH TRUSTEES	7-TW4-22
K4	MAXWELL JASON W	7-TW4-21
L4	TRIADELPHIA UNITED METHODIST CHURCH TRUSTEES	7-TW4-20
M4	TRIADELPHIA UNITED METHODIST CHURCH TRUSTEES	7-TW4-19
N4	PERSONNEL INC	7-TW4-18
O4	PERSONNEL INC	7-TW4-18.1
P4	KAVANAS JERRY P ESTATE	7-TW4-130
Q4	KAVANAS JERRY (EST) & ANN M	7-TW4-5
R4	MIDDLE CREEK GARAGE INC	7-T7-166
S4	GEORGE GREGORY J & JENNIFER S	7-T7-163.19
T4	HUTCHISON AMY JO	7-TW1-1.1
U4	WOODROW J KNOLLINGER REV TRUST, ET AL	7-TW1-3.2
V4	MIDDLE CREEK GARAGE INC	7-TW1-9
W4	LUCKY FARMS LLC	6-T12-5
X4	OCH DANIEL F	6-T7-156
Y4	FITZPATRICK CINDY L & THOMAS W	6-T7-153
Z4	HULS TERESA GELLNER	6-T7-152
A5	RICKER WILLIAM R AND KATHY L	6-T7-150
B5	CRISWELL JOHN T	6-T7-150.1
C5	CRISWELL JOHN T	6-T7-148.1
D5	WALTER GARY R & SUSAN L	6-T7-148
E5	MOORE STEVEN A & LISA K	6-T7-148.2
F5	WENZEL REGIS G & J R	6-T7G-4
G5	HEATH JAMES L	6-T7G-3
H5	HEATH JAMES L	6-T7G-3.1
I5	MCLAUGHLIN HENRY	6-T7G-3.2
J5	THOMAS MICHAEL J	6-T7C-10
K5	ADAMS CHARLES A & A M	6-T7C-9
L5	ADAMS CHARLES A	6-T7C-8
M5	STRADA JEFFREY M & LINDA F	6-T7C-11
N5	STRADA JEFFREY M & LINDA F	6-T7C-11.1
O5	BAUER HOLLY K & PAUL M	6-T7-112.1
P5	FRITTER RALPH LEE II FRITTER MELISSA EDITH	6-T7-111
Q5	ORUM M D 6/9 INT, W B ORUM 1/9 K D ORUM 1/9 & J E ORUM 1/9	6-T7-135.1
R5	ORUM WILLIAM A & CYNTHIA	6-T7-178
S5	JUNIPER LODGE INC	6-T2-19
T5	WHEELING PARK COMMISSION	6-T7-95
U5	DANEHART LUANN AND ARTHUR W JR	6-T2-16.2
V5	VILLANOVA DONALD G AND BECKY J	6-T2-16
W5	VILLANOVA DONALD G AND BECKY J	6-T2-15.2
X5	FRANKE RODD A & LISA R	6-T2-15.3
Y5	MONFRADI CHARLES AND DOLORES	4-R17-58
Z5	MINCH TIMMY B & AMY L	4-R17-63
A6	MINCH DANNY AND GINA	4-R17-61
B6	CALVERT GROVE ANDREW	4-R17-62



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

REVISIONS:	COMPANY:			DATE: 09-19-2022
		OPERATOR'S	TIMMY MINCH OHI	DRAWN BY: N. MANO
		WELL #:	10H	SCALE: N/A
		DISTRICT:	TRIADELPHIA	DRAWING NO:
		COUNTY:	OHIO	WELL LOCATION PLAT 4
		STATE:	WV	

12/16/2022