

SEP 05 2024

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

WV Department of  
Environmental Protection

API 47069003670000 County OHIO District LIBERTY  
Quad VALLEY GROVI Pad Name WILLIAM RODGERS-OHI-PAD1 Field/Pool Name PANHANDLE FIELD - WET  
Farm Name DOUGLAS W RODGERS Well Number WILLIAM RODGERS OHI 210H  
Operator (as registered with the OOG) SWN Production Company LLC  
Address PO Box 12359 City Spring State TX  
Zip 77391-2359

As Drilled Location NAD83/UTM Attach an as-drilled plat, profile view, and deviation survey

Landing Point of Curve  
Top Hole Northing 4,439,726.07 Easting 539,864.94  
Northing 4,440,046.23 Easting 540,675.65  
Bottom Hole Northing 4,436,391.94 Easting 542,110.20

Elevation (ft) 1279.4' GL Type of Well  Existing  New  Type of Report  Interim  Final  
Permit Type  Deviate  Horizontal  Horizontal 6A  Vertical  Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrill  Re-Work  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  
See attached Mud Summary Report

Date permit issued 2024-02-12 Date drilling commenced 2024-05-12 Date drilling ceased 2024-05-25

Date Completion activities began 2024-06-24 Date Completion activities ceased 2024-07-17

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 309' Oprn mine(s) (Y/N) depths N  
Salt water depth(s) ft 1188' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 676' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**APPROVED**

Reviewed by: [Signature]  
STRADER  
9/16/2024

10/25/2024

API 47069003670000

Farm name DOUGLAS W RODGERS

Well number WILLIAM RODGERS OHI 210H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Wt lb/ft	Grade	Basket Depth	Did cement circulate (Y/N) *Provide details below*
Conductor	24.000	20.000	136	NEW	94.00	J-55		Y
Surface	17.500	13.375	388	NEW	54.50	J-55	N/A	Y/ 19 BBLS
Coal	SEE INTERMED							
Intermediate 1	12.250	9.625	2110	NEW	36.00	J-55		Y/ 66 BBLS
Intermediate 2								
Intermediate 3								
Production	8.500	5.500	20998	NEW	20.00	P-110 HP		Y/ 15 BBLS
Tubing		2.875	7784	NEW	6.50	P-110		N
Packer type and depth set								

Comment Details: \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>2</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	387	15.6	1.19	460.53	SURFACE	8
Coal	SEE INTERMED						
Intermediate 1	CLASS A	905	15.6	1.18	1067.9	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3875	14.5	1.29	4998.75	SURFACE	24
Tubing							

Drillers TD (ft) 20998

Loggers TD (ft) 20998

Deepest formation penetrated MARCELLUS

Plug back to (ft) 20905

Plug back procedure N/A

Kick off depth (ft) 6685' MD

Check all wireline logs run  caliper  density  deviated/directional  induction  sonic  
 neutron  resistivity  gamma ray  temperature  
 Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING:

SURFACE: 5 CENTRALIZERS - EVERY THIRD JOINT OF CASING

INTERMEDIATE: 27 CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: 420 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 AS OPEN HOLE  Yes  No Details \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

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Well Name: William Rodgers OHI 210H

47069003670000

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	309.00	309.00	
Top of Salt Water	1188.00	1182.00	NA	NA	
Pittsburgh Coal	676.00	676.00	681.00	681.00	
Pottsville (ss)	798.00	798.00	947.00	947.00	
Raven Cliff (ss)	1164.00	1164.00	1418.00	1418.00	
Maxton (ss)	1579.00	1574.00	1713.00	1702.00	
Berea (siltstone)	2349.00	2298.00	2456.00	2397.00	
Rhinestreet (shale)	6675.00	5908.00	7011.00	6181.00	
Cashaqua (shale)	7011.00	6181.00	7098.00	6250.00	
Middlesex (shale)	7098.00	6250.00	7188.00	6315.00	
Burket (shale)	7217.00	6335.00	7249.00	6357.00	
Tully (ls)	7249.00	6357.00	7302.00	6389.00	
Mahantango (shale)	7302.00	6389.00	7559.00	6508.00	
Marcellus (shale)	7559.00	6508.00	NA	NA	GAS

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WILLIAM RODGERS OHI 210H  
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/othr
1	6/24/2024	42.8	4,667	6,920	5,000	306,430	7,993	0
2	6/24/2024	98.2	9,904	6,435	4,310	373,070	11,082	0
3	6/25/2024	96	9,257	6,532	4,900	374,550	11,141	0
4	6/25/2024	95.3	9,347	6,602	5,245	376,250	10,232	0
5	6/25/2024	88.4	9,306	6,465	4,433	382,360	10,628	0
6	6/26/2024	95.8	9,908	6,184	4,302	376,380	10,651	0
7	6/26/2024	74.7	7,186	6,460	4,875	378,310	10,266	0
8	6/26/2024	28	9,800	6,473	4,777	3,455	3,531	0
9	6/27/2024	96	6,224	6,292	4,507	373,260	12,356	0
10	6/27/2024	77.2	8,067	6,670	3,456	90,630	7,595	0
11	6/27/2024	96	9,052	6,485	4,491	373,050	11,019	0
12	6/27/2024	97.9	9,628	6,542	4,617	379,100	10,247	0
13	6/28/2024	97	9,360	6,506	5,450	374,200	10,057	0
14	6/28/2024	94.2	9,279	7,070	5,000	372,440	8,212	0
15	6/28/2024	97.4	9,261	6,680	4,551	374,880	8,349	0
16	6/28/2024	97.4	9,398	6,552	4,473	374,810	7,685	0
17	6/29/2024	97.8	9,538	6,515	4,573	372,780	7,620	0
18	6/29/2024	70.9	6,555	6,700	5,130	376,220	7,805	0
19	6/29/2024	96.3	9,341	6,900	4,711	374,820	7,739	0
20	6/29/2024	97.9	9,602	6,557	4,719	376,820	7,787	0
21	6/30/2024	82.7	8,265	6,439	4,758	373,090	7,590	0
22	6/30/2024	96.9	9,385	6,900	5,335	378,390	7,802	0
23	6/30/2024	96.4	9,254	6,738	4,846	373,530	7,953	0
24	6/30/2024	97.1	9,138	6,603	4,834	374,530	8,057	0
25	7/1/2024	97	9,110	6,719	4,833	375,280	8,113	0
26	7/1/2024	97.1	9,087	6,565	5,240	377,680	7,730	0
27	7/1/2024	97.7	9,089	6,450	5,525	377,150	7,775	0
28	7/1/2024	97.4	9,232	6,686	5,526	378,520	7,966	0
29	7/1/2024	97	9,189	6,522	4,936	375,900	8,106	0
30	7/2/2024	89.3	9,114	6,567	5,125	385,140	8,109	0
31	7/2/2024	98	9,255	6,500	5,100	376,500	7,719	0
32	7/2/2024	98.6	8,708	6,680	5,680	379,950	7,854	0
33	7/2/2024	97.3	8,647	6,389	4,602	381,110	8,074	0
34	7/2/2024	92	7,284	6,245	4,637	376,160	8,802	0
35	7/3/2024	89.2	7,786	6,423	5,232	384,860	7,956	0
36	7/3/2024	90.9	8,873	6,532	5,335	376,760	7,945	0
37	7/3/2024	94.2	8,193	6,201	4,515	374,120	7,871	0
38	7/3/2024	90.5	7,766	6,279	4,545	382,980	7,664	0
39	7/4/2024	87.6	7,832	6,110	5,621	378,980	7,551	0
40	7/4/2024	38.7	3,861	6,327	4,785	377,750	9,785	0
41	7/4/2024	94.5	7,929	6,254	5,146	376,120	8,419	0
42	7/5/2024	67.2	7,500	6,226	5,200	378,140	7,968	0
43	7/5/2024	89.3	7,706	6,142	5,176	379,230	7,856	0
44	7/5/2024	89.5	7,467	6,454	4,819	366,240	9,687	0
45	7/6/2024	82.4	7,472	6,713	4,834	382,300	9,315	0
46	7/6/2024	79.9	7,242	6,629	4,885	383,470	9,815	0
47	7/6/2024	65	5,396	5,856	5,412	378,358	9,437	0
48	7/6/2024	87.6	7,808	6,539	4,596	375,160	10,290	0
49	7/7/2024	81.9	7,328	6,440	4,565	376,550	9,765	0
50	7/7/2024	89.9	7,939	6,259	4,558	373,590	9,534	0
51	7/7/2024	84.2	7,764	6,214	4,650	380,110	9,086	0
52	7/8/2024	82	6,887	6,259	4,697	386,230	9,501	0
53	7/8/2024	64.8	5,040	6,583	5,252	375,950	9,825	0

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**WILLIAM RODGERS OHI 210H  
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
54	7/8/2024	99	7,721	6,365	4,711	373,870	9,533	0
55	7/8/2024	94	7,447	6,225	4,664	376,420	9,678	0
56	7/9/2024	94.9	7,555	6,327	4,576	372,360	9,436	0
57	7/9/2024	94.9	7,406	6,180	4,885	378,340	9,594	0
58	7/9/2024	94	7,589	6,620	4,444	379,410	9,382	0
59	7/9/2024	54.2	4,299	6,332	5,125	353,240	9,465	0
60	7/9/2024	81.8	6,668	6,351	4,553	376,580	9,357	0
61	7/9/2024	89.9	6,977	6,650	4,893	377,060	9,144	0
62	7/10/2024	87	7,013	6,580	5,041	377,640	9,344	0
63	7/10/2024	84	6,783	6,815	5,157	373,320	9,620	0

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**WILLIAM RODGERS OHI 210H  
ATTACHMENT 1  
PERF REPORT**

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STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	6/24/2024	20,905	20,808	36
2	6/24/2024	20,774	20,596	36
3	6/25/2024	20,562	20,384	36
4	6/25/2024	20,351	20,172	36
5	6/25/2024	20,139	19,960	36
6	6/26/2024	19,927	19,749	36
7	6/26/2024	19,715	19,537	36
8	6/26/2024	19,504	19,325	36
9	6/27/2024	19,292	19,114	36
10	6/27/2024	19,080	18,902	36
11	6/27/2024	18,869	18,690	36
12	6/27/2024	18,657	18,478	36
13	6/28/2024	18,445	18,267	36
14	6/28/2024	18,233	18,055	36
15	6/28/2024	18,022	17,843	36
16	6/28/2024	17,810	17,632	36
17	6/28/2024	17,598	17,420	36
18	6/29/2024	17,387	17,208	36
19	6/29/2024	17,175	16,996	36
20	6/29/2024	16,963	16,785	36
21	6/29/2024	16,751	16,573	36
22	6/30/2024	16,540	16,361	36
23	6/30/2024	16,328	16,150	36
24	6/30/2024	16,116	15,938	36
25	7/1/2024	15,905	15,726	36
26	7/1/2024	15,693	15,514	36
27	7/1/2024	15,481	15,303	36
28	7/1/2024	15,269	15,091	36
29	7/1/2024	15,058	14,879	36
30	7/2/2024	14,846	14,668	36
31	7/2/2024	14,634	14,456	36
32	7/2/2024	14,423	14,244	36
33	7/2/2024	14,211	14,032	36
34	7/2/2024	13,999	13,821	36
35	7/3/2024	13,787	13,609	36
36	7/3/2024	13,576	13,397	36
37	7/3/2024	13,364	13,186	36
38	7/3/2024	13,152	12,974	36
39	7/4/2024	12,941	12,762	36
40	7/4/2024	12,729	12,550	36
41	7/4/2024	12,517	12,339	36
42	7/4/2024	12,305	12,127	36



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WILLIAM RODGERS OHI 210H  
ATTACHMENT 1  
PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
43	7/5/2024	12,094	11,915	36
44	7/5/2024	11,882	11,704	36
45	7/5/2024	11,670	11,492	36
46	7/6/2024	11,459	11,280	36
47	7/6/2024	11,247	11,068	36
48	7/6/2024	11,035	10,857	36
49	7/7/2024	10,823	10,645	36
50	7/7/2024	10,612	10,433	36
51	7/7/2024	10,400	10,222	36
52	7/7/2024	10,188	10,010	36
53	7/8/2024	9,977	9,798	36
54	7/8/2024	9,765	9,587	36
55	7/8/2024	9,553	9,375	36
56	7/9/2024	9,342	9,163	36
57	7/9/2024	9,130	8,951	36
58	7/9/2024	8,918	8,740	36
59	7/9/2024	8,706	8,528	36
60	7/9/2024	8,495	8,316	36
61	7/9/2024	8,283	8,105	36
62	7/10/2024	8,071	7,893	36
63	7/10/2024	7,860	7,681	36

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## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	06/24/2024
Job End Date:	07/10/2024
State:	West Virginia
County:	Ohio
API Number:	47-069-00367-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	WILLIAM RODGERS OHI 210H
Latitude:	40.10689
Longitude:	-80.532246
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6731
Total Base Water Volume (gal)*:	23324056
Total Base Non Water Volume:	118670



Water Source	Percent
Surface Water, < 1000TDS	90.90%
Produced Water	9.10%

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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					
Ferriplex 80	SWN Well Services	Iron Control					
FSTI-CI-02	SWN Well Services	Corrosion Inhibitor					
HCL	SWN Well Services	Solvent					
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
Plexslick 930	SWN Well Services	Friction Reducer					
Sand	SWN Well Services	Proppant					

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Tolicide 4Frac	SWN Well Services	Biocide					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	89.37655	
			Crystalline Silica (Quartz)	14808-60-7	100.00000	10.51325	
			Hydrochloric acid	7647-01-0	15.00000	0.05487	
			Hydrotreated light petroleum distillate	64742-47-8	20.00000	0.01996	
			Acrylamide-chloride salt of trimethylammonio-ethyl acrylate copolymer	69418-26-4	10.00000	0.00998	
			Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	45.00000	0.00475	
			Methanol	267-56-1	45.00000	0.00336	
			Sodium erythorbate	6381-77-7	100.00000	0.00195	
			Ammonium chloride	12125-02-9	1.00000	0.00100	
			Alcohols, C12-16, ethoxylated	68551-12-2	1.00000	0.00100	
			9-Octadecenamide, n,n-bis-2(hydroxy-ethyl)-, (Z)	93-83-4	1.00000	0.00100	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	7.50000	0.00079	
			Diethylenetriaminepenta(methylenephosphonic) acid	15827-60-8	10.00000	0.00075	
			Ethanol	64-17-5	2.50000	0.00026	
			Ethylene glycol	107-21-1	40.00000	0.00022	
			Cinnamaldehyde	104-55-2	10.00000	0.00006	
			Dimethylformamide	68-12-2	10.00000	0.00006	
			Nonylphenol	9016-45-9	10.00000	0.00006	
			2-Butoxyethanol	111-76-2	5.00000	0.00003	
			1-Octanol	111-87-5	5.00000	0.00003	
			1-Decanol	112-30-1	5.00000	0.00003	
			Isopropanol	67-63-0	5.00000	0.00003	
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	5.00000	0.00003	
			Triethylphosphate	78-40-0	5.00000	0.00003	

\* 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%

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)

10/25/2024

WR-36  
Rev. 5/08

Date: 9.4.2024  
Operators Well Number: WILLIAM RODGERS OHI 210H  
API Well No: 47-069 - 00367

**State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas**

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Environmental Protection

Well Operator's Report of  
Initial Gas-Oil Ratio

Well Operator SWN PRODUCTION COMPANY LLC Designated Agent \_\_\_\_\_  
Address PO BOX 12359 Address \_\_\_\_\_  
SPRING, TX 77391-2359 \_\_\_\_\_  
\_\_\_\_\_

Geological Target Formation: MARCELLUS Depth 6,555' TVD / 7,822' MD feet  
Perforation Interval 7,681' / 20,905' feet

Guidelines for testing:

1. A minimum of gas vented or flared.
2. A 24 hour pre-flow into pipelines or tanks.
3. Uniform producing rate during the 24 hour test per test period.
4. Measurement standards as for Form WR-39, "Report of Annual Production" (see 35CSR4-15)
5. Separate Form WR-36 for each producing formation in a multiple completion.

**TEST DATA**

Start of Test Date <b>8/30/2024</b>	Time <b>9:00 AM</b>	End of Test Date <b>8/31/2024</b>	Time <b>9:00 AM</b>	Duration of Test <b>24 Hours</b>
Tubing Pressure <b>1,226 psi</b>	Casing Pressure <b>2,195 psi</b>	Separator Pressure <b>410 psi</b>	Separator Temperature <b>99</b>	
Oil Production During Test <b>1,302</b>	Gas Production During Test <b>13,436</b>	Water Production During Test <b>883</b>	105,000 PPM Chlorides -Salinity	
BBLs	MCF	BBLs		
Oil Gravity <b>60</b>	Producing Method (flowing, pumping, gas lift etc.) <b>Free Flowing Up Tubing</b>			
API				

**GAS PRODUCTION**

Measurement Method Flange Tap <input checked="" type="checkbox"/> Pipe Tap <input type="checkbox"/> L-10 <input type="checkbox"/>		Positive Choke <input checked="" type="checkbox"/>
		Positive flow prover <input type="checkbox"/>
Orifice diameter <b>3"</b>	Pipe Diameter (inside) <b>3"</b>	Nominal Choke Size inches <b>68/64</b>
Differential Pressure range <b>280-290</b>	Max. Static pressure range <b>432 psi</b>	Prover and Orifice diameter - inches <b>3"</b>
Differential <b>283</b>	Static <b>410 psi</b>	
Gas Gravity (Air = 1.0) Measured <b>0.75</b>	Flowing Temperature <b>99</b>	Gas Temperature <b>99</b>
Estimated		
24 Hour Coefficient <b>1</b>	24 Hour coefficient pressure PSIA <b>14.65</b>	

**TEST RESULTS**

Daily Oil <b>1,302</b>	Daily Water <b>883</b>	Daily Gas <b>13,436</b>	Gas-Oil Ratio <b>10.3</b>
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*Denise Grantham*

Well Operator

BY DENISE GRANTHAM

ITS: DESIGNATED REPRESENTATIVE

**10/25/2024**

Latitude: 40°07'30"

SURFACE HOLE 9019'

Latitude: 40°05'00" BOTTOM HOLE 1,713'

JACKSON SURVEYING INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26301 304-623-5851

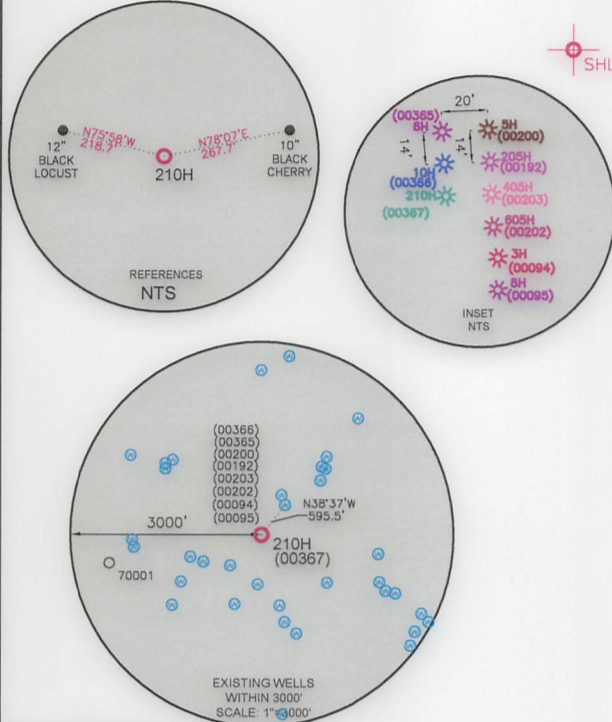
Table with 2 columns: Location Name and UTM Coordinates (Northings, Eastings).

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

Table with 6 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION.

Table with 2 columns: Location Name and UTM Coordinates (Northings, Eastings).



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.

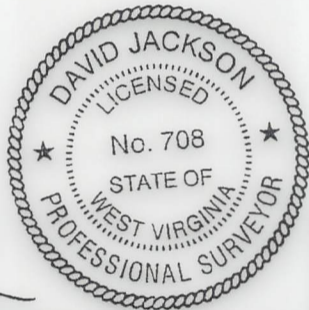
NOTES ON SURVEY

- 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.
4. 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. 709

David L Jackson



(+) 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)

Table with 2 columns: Company (SWN Production Company, LLC) and Well Information (Operator's Well #, API Well #, State, County, Permit).

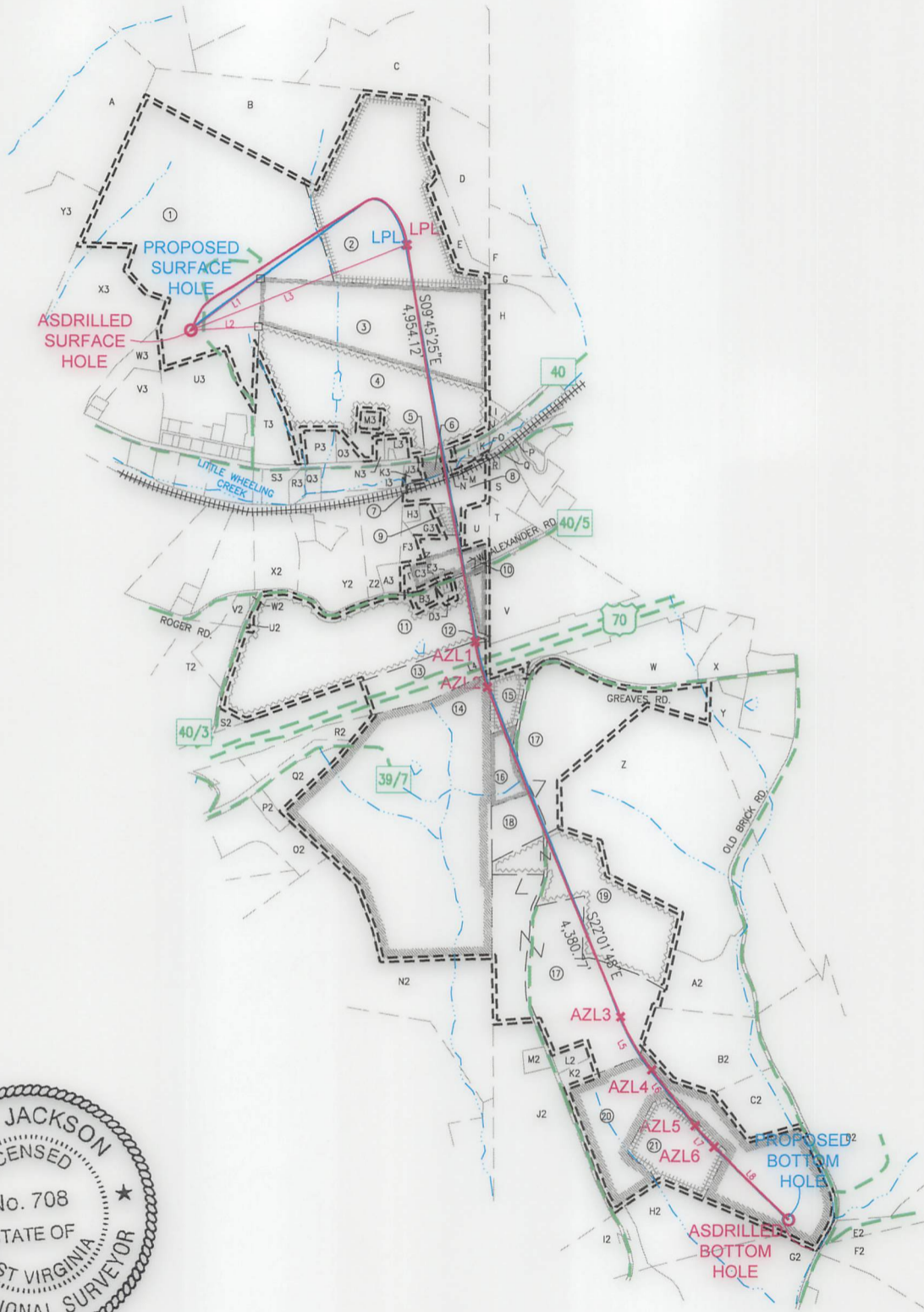
Form with fields for Well Type, Watershed, District, Surface Owner, Oil & Gas Royalty Owner, Drill type, Convert type, Target Formation, and Estimated Depth.

Form with fields for Well Operator (SWN Production Company, LLC) and Designated Agent (Brittany Woody).

Table with 2 columns: Legend (Proposed Surface Hole, Existing Well, LPL, Existing Water Well, Existing Spring) and Revisions/Date.

**JACKSON SURVEYING  
INC.**

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26301  
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. 709 *David L Jackson*



REVISIONS:		COMPANY:	
OPERATOR'S	WILLIAM RODGERS OHI	API #:	DATE: 06-18-2024
WELL #:	210H	47-069-00365	DRAWN BY: N. MANO
DISTRICT:	COUNTY:	STATE:	SCALE: 1"=2000'
LIBERTY	OHIO	WV	DRAWING NO:
			WELL LOCATION PLAT 2

**JACKSON SURVEYING  
INC.**



2413 EAST PIKE ST. # 112  
Clarksburg, WV 26301  
304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RODGERS DOUGLAS W (S/R)	03-L12-1
TRACT SURFACE OWNER (S)		
2	MILLER RAYMOND M & H E C/O MILLER HILDA (S)	03-L12-2
3	TUNNEL RIDGE LLC (S)	03-L12-4.6
4	TANKOVITS JOSEPH & ANITA M (S)	03-L12-4
5	WEST VIRGINIA DEPARTMENT OF TRANSPORTION (S)	ROUTE 40 NATIONAL RD.
6	MOUNTS GEORGE WESLEY (S)	03-L12-15.4
7	FRYE RICHARD L & CHERYL L (S)	03-L12-31
8	FRYE RICHARD L (S)	03-L12-15
9	FRYE RICHARD ALAN (S)	03-L12-15.7
10	NOBLE VERA JANE C (S)	03-L12-20
11	TRIPLE P LLC (S)	03-L12-18
12	TRIPLE P LLC (S)	03-L12-18.7
13	WEST VIRGINIA DEPARTMENT OF TRANSPORTION (S)	I-70
14	BERGHOFF GERALD W (S)	03-L15-5
15	THOMAS MARTEN CO (S)	230-6-7.2
16	THOMAS MARTEN CO (S)	230-6-7.1
17	TUNNEL RIDGE LLC (S)	230-6-15
18	THOMAS MARTEN CO (S)	230-6-7
19	WARD ETHAN T (S)	230-6-15.2
20	GREAVES THOMAS A & MARTHA L (S)	230-6-13
21	GREAVES THOMAS & MARTHA (S)	230-6-14

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MINCH TIMMY B & AMY LYNN	03-L9-12
B	OCH JEFFREY S & DANA R	03-L12-2.1
C	OCH JEFFREY S & DANA R	03-L9-18
D	TUNNEL RIDGE LLC	03-L12-3
E	TUNNEL RIDGE LLC	03-L12-2.2
F	TUNNEL RIDGE LLC	230-7-11.1
G	TUNNEL RIDGE LLC	230-7-12.5
H	MILLER HILDA E	230-7-12
I	ALLIANCE RESC PROP LLC	230-7-62
J	SHINGLE EDWARD W	230-7-62.1
K	BEISWENGER DENNIS J	03-L12-13
L	BEISWENGER DENNIS J & LESLIE	03-L12-14
M	FRYE RICHARD L & CHERYL L	03-L12-14.2
N	FRYE H DAVID & S	03-L12-12
O	ROBINSON RICHARD J S/S2011	03-L12-14.1
P	TUNNEL RIDGE LLC	230-7-63
Q	CSX TRANSPORTATION	230-7-64
R	AMERICAN LEGION POST 656	230-7-61.2
S	WEST ALEXANDER AMER LEGION POST #656 INC.	230-7-61.1
T	REED BARBARA A	230-6-1
U	MOUNTS GEORGE WESLEY	3-L12-15.5
V	TUNNEL RIDGE LLC	230-6-5
W	TREDDS SOFTWARE SOLUTIONS LLC	230-6-15.17
X	CRP IRREVOCABLE TRUST & KURZEJEWSKI MATTHEW P	230-6-15.20
Y	WILSON DANA A & BILLIE R	230-6-15.16
Z	OLD BRICK 801 LLC	230-6-16
A2	MINCH HENRY J & JULIE L	230-6-16.3
B2	BECK DONALD L & SANDRA E	230-6-15.1
C2	BECK DONALD L JR. & TINA L	230-6-15.23
D2	TUNNEL RIDGE LLC	230-6-22
E2	SANGIMINO URSULA RIPEPI & RIPEPI ANTONIO & RIPEPI VINCENT J & QUINN BENEDETTA A & RIPERPI PHILIP M	230-6-21
F2	SANGIMINO URSULA RIPEPI & RIPEPI ANTONIO & RIPEPI VINCENT J & QUINN BENEDETTA A & RIPERPI PHILIP M	680-11-3
G2	TUNNEL RIDGE LLC	680-5-4.3
H2	TUNNEL RIDGE LLC	230-6-12
I2	GREAVES THOMAS & MARTHA	230-6-12.1
J2	MOORE HEIDI L & BENJAMIN R	230-6-10
K2	MCADOO DAVID L & BRENDA A	230-6-15.4
L2	MCADOO DAVID L & BRENDA A	230-6-15.3

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
M2	MOORE HEIDI L & AARON E STIMMEL JR	230-6-10.1
N2	OLIVER LUCAS B	03-L15-04
O2	BERGHOFF GERALD W	03-L15-2.6
P2	BERGHOFF BRAD W	03-L15-2.9
Q2	TRIPLE P LLC	03-L12-18.9
R2	TRIPLE P LLC	03-L12-18.8
S2	TURNER FRANCES A	03-L12-18.6
T2	KLAGES PROPERTIES LLC	03-L15-1.1
U2	TRIPLE P LLC	03-L12-18.3
V2	TUNNEL RIDGE LLC	3-L12-18.2
W2	DILLE RONALD A & VIRGINIA M	3-L12-18.4
X2	MCFARLAND DENNIS E & BRIS NANCY M	3-L12-22
Y2	SHRIVER DANIEL L SR & GOLDIE ANN	3-L12-21.5
Z2	SHRIVER DANIEL L & GOLDIE ANN	3-L12-21
A3	ADAMS FRANCES	3-L12-21.1
B3	PARK ROBERT L & B L	3-L12-18.5
C3	HARTZELL AMANDA (LC-BYR) TRIPLE P LLC (LC-SLR)	3-L12-19.1
D3	HARTZELL AMANDA (LC-BYR) TRIPLE P LLC (LC-SLR)	3-L12-18.10
E3	HARTZELL AMANDA (LC-BYR) TRIPLE P LLC (LC-SLR)	3-L12-19
F3	HOCKENBERRY JAMES C & HOCKENBERRY BRENDA K	3-L12-15.1
G3	FRYE JASON WAYNE	3-L12-15.6
H3	FRYE JASON C/O THE PEOPLES SAVINGS BANK	3-L12-15.2
I3	ONEIL MICHELE I	3-L12-11
J3	L & M RENTALS LLC	3-L12-12.1
K3	L & M RENTALS LLC	3-L12-15.3
L3	BEISWENGER TIMOTHY E JR & J R	3-L12-4.3
M3	TANKOVITS JOSEPH III & ANITA M	3-L12-4.4
N3	TANKOVITS JOSEPH AND ANITA M	3-L12-4.5
O3	WINDMILL REALTY LLC	3-L12-4.7
P3	WINDMILL REALTY LLC	3-L12-4.2
Q3	WHEELING COIN LLC	3-L12-10.6
R3	WHEELING COIN LLC	3-L12-10.7
S3	G W RENTALS LLC	3-L12-10
T3	RODGERS LISA D & DOUGLAS W	03-L12-4.1
U3	RODGERS DOUGLAS WAYNE	03-L12-5.1
V3	MAXWELL TODD M	03-L12-27
W3	CALDWELL CATHY J & JERRY W	03-L12-6
X3	MAZGAJ MILDRED J	03-L11-62
Y3	CREIGHTON RANDY J	03-L11-29

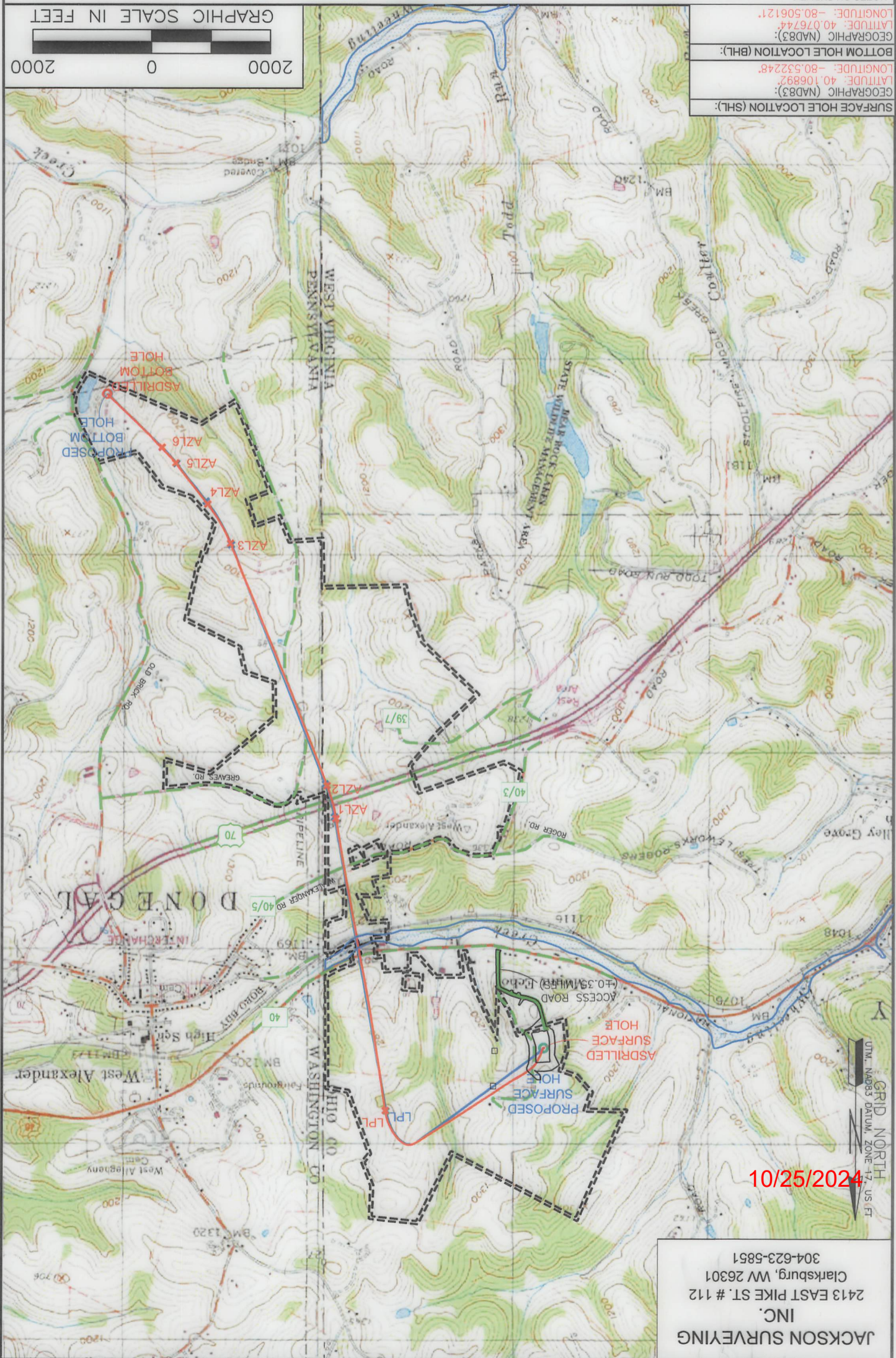
10/25/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	WILLIAM RODGERS OHI	API #:
	WELL #:	210H	47-069-00365
	DISTRICT:	LIBERTY	COUNTY:
		STATE:	WV
		DATE:	06-18-2024
		DRAWN BY:	N. MANO
		SCALE:	N/A
		DRAWING NO:	
		WELL LOCATION	PLAT 3

**JACKSON SURVEYING**  
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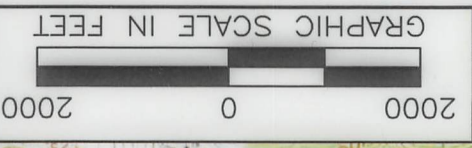
10/25/2024

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



**SURFACE HOLE LOCATION (SHL):**  
 GEOGRAPHIC (NAD83):  
 LATITUDE: 40.106892  
 LONGITUDE: -80.532248

**BOTTOM HOLE LOCATION (BHL):**  
 GEOGRAPHIC (NAD83):  
 LATITUDE: 40.076744  
 LONGITUDE: -80.506121



**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊗ EXISTING / PRODUCING WELLHEAD
- ⊗ LPL LANDING POINT LOCATION
- ⊗ EXISTING WATER WELL
- ⊗ EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- LEASE BOUNDARY
- ASPRIILLED PATH
- PROPOSED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC		<b>WELL (FARM) NAME:</b> WILLIAM RODGERS OHI	
<b>ADDRESS:</b> 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508		<b>COUNTY - CODE</b> OHIO - 069	
<b>SURFACE OWNER:</b> DOUGLAS W RODGERS		<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> VALLEY GROVE, WV	
<b>WELL #</b>		<b>DISTRICT:</b> LIBERTY	<b>API #:</b> 47-069-00367
<b>SERIAL #</b>	<b>WELL #</b>	<b>210H</b>	<b>PROPERTY NUMBER</b> 2501166588