

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

RECEIVED
Office of Oil and Gas
MAR 14 2023
WV Department of
Environmental Protection

RBDMS ✓

API 47 - 069 - 00343 County OHIO District TRIADELE
Quad VALLEY GROVE, WV Pad Name OCC A-OHI-PAD1 Field/Pool Name PANHANDLE FIELD WET
Farm name THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO Well Number OCC-A OHI 601H
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 4,436,637.094 Easting 534,266.403
Landing Point of Curve Northing 4,436,535.632 Easting 533,270.409
Bottom Hole Northing 4,440,786.802 Easting 531,385.900

Elevation (ft) 1095.3' 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 5/23/2022 Date drilling commenced 9/16/2022 Date drilling ceased 10/1/2022
Date completion activities began 11/7/2022 Date completion activities ceased 12/20/2022
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 393' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 586' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 462' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by:
[Signature] 3/15/2023
03/17/2023

API 47-069 - 00343 Farm name THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO Well number OCC-A OHI 601H

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	533	NEW	J-55/54.5#		Y; 35 BBLS
Coal	SEE SURFACE CASING						
Intermediate 1	12.25	9.625	1,892	NEW	J-55/36#		Y; 28 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75	5.5	22,805	NEW	P-110 HP/20#		N
Tubing		2.875	7,487	NEW	P-110/6.5#		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	520	15.60	1.19	618.8	SURFACE	8
Coal							
Intermediate 1	CLASS A	666	15.60	1.19	792.54	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4,413	14.50	1.29	5,692.77	3,861'	24
Tubing							

Drillers TD (ft) 22,805' Loggers TD (ft) 22,805'
 Deepest formation penetrated MARCELLUS Plug back to (ft) 22,715'
 Plug back procedure N/A

Kick off depth (ft) 6,400' MD

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: 536 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 _____



Well Name:

OCC A OHI 601H

47069003430000

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	393.00	393.00	
Top of Salt Water	586.00	586.00	NA	NA	
Pittsburgh Coal	462.00	462.00	466.00	466.00	
Pottsville (ss)	608.00	608.00	651.00	651.00	
Raven Cliff (ss)	831.00	829.00	1131.00	1129.00	
Big Injun (ss)	1540.00	1528.00	2217.00	2155.00	
Berea (siltstone)	2217.00	2155.00	2244.00	2180.00	
Rhinestreet (shale)	6296.00	5598.00	6651.00	5876.00	
Cashaqua (shale)	6651.00	5876.00	6722.00	5924.00	
Middlesex (shale)	6722.00	5924.00	6844.00	5996.00	
Burket (shale)	6844.00	5996.00	6882.00	6015.00	
Tully (ls)	6882.00	6015.00	6954.00	6052.00	
Mahantango (shale)	6954.00	6052.00	7220.00	6150.00	
Marcellus (shale)	7220.00	6150.00	NA	NA	GAS

**OCC A OHI 601H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	10/13/2022	22,715	22,619	36
2	11/9/2022	22,585	22,404	36
3	11/9/2022	22,370	22,188	36
4	11/10/2022	22,154	21,973	36
5	11/10/2022	21,939	21,758	36
6	11/11/2022	21,724	21,542	36
7	11/11/2022	21,509	21,327	36
8	11/11/2022	21,293	21,112	36
9	11/12/2022	21,078	20,897	36
10	11/12/2022	20,863	20,681	36
11	11/12/2022	20,647	20,466	36
12	11/13/2022	20,432	20,251	36
13	11/14/2022	20,217	20,036	36
14	11/15/2022	20,002	19,820	36
15	11/15/2022	19,786	19,605	36
16	11/16/2022	19,571	19,390	36
17	11/16/2022	19,356	19,174	36
18	11/18/2022	19,141	18,959	36
19	11/18/2022	18,925	18,744	36
20	11/19/2022	18,710	18,529	36
21	11/19/2022	18,495	18,313	36
22	11/20/2022	18,279	18,098	36
23	11/20/2022	18,064	17,883	36
24	11/21/2022	17,849	17,667	36
25	11/21/2022	17,634	17,452	36
26	11/22/2022	17,418	17,237	36
27	11/22/2022	17,203	17,022	36
28	11/22/2022	16,988	16,806	36
29	11/23/2022	16,772	16,591	36
30	11/23/2022	16,557	16,376	36
31	11/24/2022	16,342	16,160	36
32	11/24/2022	16,127	15,945	36
33	11/25/2022	15,911	15,730	36
34	11/25/2022	15,696	15,515	36
35	11/26/2022	15,481	15,299	36
36	11/26/2022	15,265	15,084	36
37	11/27/2022	15,050	14,869	36
38	11/27/2022	14,835	14,654	36
39	11/27/2022	14,620	14,438	36
40	11/28/2022	14,404	14,223	36
41	11/28/2022	14,189	14,008	36
42	11/28/2022	13,974	13,792	36
43	11/29/2022	13,758	13,577	36

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ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
44	11/30/2022	13,543	13,362	36
45	11/30/2022	13,328	13,147	36
46	12/1/2022	13,113	12,931	36
47	12/1/2022	12,897	12,716	36
48	12/1/2022	12,682	12,501	36
49	12/2/2022	12,467	12,285	36
50	12/2/2022	12,252	12,070	36
51	12/3/2022	12,036	11,855	36
52	12/3/2022	11,821	11,640	36
53	12/4/2022	11,606	11,424	36
54	12/5/2022	11,390	11,209	36
55	12/5/2022	11,175	10,994	36
56	12/5/2022	10,960	10,778	36
57	12/6/2022	10,745	10,563	36
58	12/6/2022	10,529	10,348	36
59	12/7/2022	10,314	10,133	36
60	12/7/2022	10,099	9,917	36
61	12/7/2022	9,883	9,702	72
62	12/8/2022	9,668	9,487	36
63	12/8/2022	9,453	9,271	36
64	12/8/2022	9,238	9,056	36
65	12/9/2022	9,022	8,841	36
66	12/9/2022	8,807	8,626	36
67	12/9/2022	8,592	8,410	36
68	12/10/2022	8,376	8,195	36
69	12/10/2022	8,161	7,980	36
70	12/10/2022	7,946	7,765	36
71	12/10/2022	7,731	7,549	36
72	12/11/2022	7,515	7,334	36

OCC A OHI 601H
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
1	11/8/2022	78.5	8,578	8,496	3,924	200,200	6,334	0
2	11/9/2022	65	6,464	4,613	4,300	371,600	11,370	0
3	11/9/2022	83.1	8,301	4,547	4,752	361,960	8,942	0
4	11/10/2022	90.2	9,397	6,260	4,320	366,340	9,057	0
5	11/10/2022	90.1	8,827	6,286	4,685	367,300	9,073	0
6	11/11/2022	88.2	8,819	6,051	4,790	368,980	8,926	0
7	11/11/2022	56.1	5,851	6,018	4,670	367,740	10,157	0
8	11/12/2022	98.3	9,573	5,701	4,652	369,990	8,930	0
9	11/12/2022	94.1	9,432	5,930	4,330	374,960	8,684	0
10	11/12/2022	95.9	9,386	5,846	4,852	364,170	8,506	0
11	11/13/2022	98.3	9,454	6,205	4,300	368,240	8,545	0
12	11/14/2022	94.3	9,574	6,220	4,300	366,480	8,558	0
13	11/15/2022	95.3	9,349	5,914	4,685	366,600	8,510	0
14	11/15/2022	66.6	6,713	5,861	4,346	364,380	10,510	0
15	11/16/2022	98.2	9,244	6,424	4,585	368,000	8,900	0
16	11/16/2022	96.9	9,337	6,020	4,420	367,860	8,952	0
17	11/18/2022	96.8	9,163	6,228	4,585	366,140	8,495	0
18	11/18/2022	94	9,320	6,616	4,685	364,900	8,656	0
19	11/19/2022	97.5	9,171	6,052	4,852	368,500	8,559	0
20	11/19/2022	97.4	8,996	5,998	4,875	366,520	8,667	0
21	11/20/2022	84.4	8,305	5,830	4,630	368,400	8,474	0
22	11/20/2022	96.9	8,922	5,950	4,586	368,620	8,320	0
23	11/21/2022	95.3	8,892	6,138	4,130	364,460	8,599	0
24	11/21/2022	97.2	9,102	5,915	4,895	368,180	8,347	0
25	11/22/2022	98.1	9,014	5,896	4,852	368,340	8,284	0
26	11/22/2022	92.9	9,181	5,721	4,829	364,060	7,974	0
27	11/22/2022	98.1	8,829	6,125	4,502	368,380	8,298	0
28	11/23/2022	96.4	9,271	6,244	4,862	327,760	7,618	0
29	11/23/2022	99.2	8,898	6,046	4,621	366,620	8,170	0
30	11/24/2022	99.6	9,039	6,162	4,512	370,300	8,277	0
31	11/24/2022	93.3	9,159	6,004	4,698	368,040	8,081	0
32	11/25/2022	92.8	8,942	6,347	4,753	361,340	8,135	0
33	11/25/2022	99.2	9,042	6,235	4,582	367,760	8,196	0
34	11/25/2022	94.5	8,704	5,708	4,446	365,040	8,230	0
35	11/26/2022	99.6	8,525	5,972	4,576	363,920	8,271	0
36	11/26/2022	95.4	8,483	5,798	4,489	365,780	8,045	0
37	11/27/2022	88.3	7,887	5,888	4,762	366,600	8,697	0
38	11/27/2022	96.8	8,408	6,069	4,120	364,520	8,086	0
39	11/27/2022	90.8	8,070	5,781	4,458	366,180	8,048	0
40	11/28/2022	99.3	8,499	6,023	4,235	369,800	9,002	0
41	11/28/2022	89.9	8,300	5,742	4,180	362,820	8,218	0
42	11/29/2022	94.6	7,928	5,438	4,356	373,800	8,730	0
43	11/29/2022	94.4	8,334	5,461	4,991	337,120	7,714	0
44	11/30/2022	95.6	7,763	5,894	4,469	368,980	9,179	0
45	11/30/2022	96	8,245	5,940	4,232	367,460	7,942	0
46	12/1/2022	94.4	7,709	5,794	4,352	367,400	7,825	0
47	12/1/2022	96	7,794	5,705	3,785	363,280	9,122	0
48	12/2/2022	96.5	8,005	5,735	4,192	368,780	8,031	0
49	12/2/2022	99.2	7,942	5,388	4,658	367,980	7,887	0
50	12/2/2022	96.2	7,723	5,410	3,631	367,980	8,038	0
51	12/3/2022	99.2	7,839	5,921	4,451	365,080	7,665	0
52	12/3/2022	95.1	8,075	5,849	4,765	364,740	9,346	0
53	12/4/2022	95.9	7,882	5,677	4,561	369,220	8,004	0

03/17/2023

OCC A OHI 601H
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/oth
54	12/5/2022	96.3	7,911	5,420	4,628	367,400	7,740	0
55	12/5/2022	99.2	7,572	5,924	4,752	367,640	7,580	0
56	12/5/2022	95.4	7,509	5,545	4,698	339,660	7,161	0
57	12/6/2022	99.2	7,429	5,596	4,769	368,920	7,670	0
58	12/6/2022	96.1	7,640	5,970	4,984	368,040	7,779	0
59	12/7/2022	97.9	7,508	5,338	5,210	367,920	7,652	0
60	12/7/2022	89.9	8,286	3,680	4,330	368,280	7,722	0
61	12/7/2022	90.2	7,852	5,890	4,194	369,660	10,738	0
62	12/8/2022	97.7	7,329	3,370	4,500	367,460	7,934	0
63	12/8/2022	95	7,599	5,915	4,200	368,680	7,820	0
64	12/9/2022	96.1	7,448	5,760	4,550	365,740	7,670	0
65	12/9/2022	98	7,242	4,620	4,800	368,400	7,735	0
66	12/9/2022	95.7	7,203	5,670	4,530	346,294	7,450	0
67	12/10/2022	94.9	7,066	4,867	4,430	367,860	7,695	0
68	12/10/2022	97.9	7,128	5,120	5,200	367,780	7,554	0
69	12/10/2022	97.6	7,180	6,191	4,320	367,820	7,604	0
70	12/10/2022	95.8	7,191	6,205	4,480	376,220	7,646	0
71	12/11/2022	96.4	6,903	5,400	4,708	366,380	7,494	0
72	12/11/2022	94.8	6,972	5,120	4,650	367,500	7,619	0

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/8/2022
Job End Date:	12/11/2022
State:	West Virginia
County:	Ohio
API Number:	47-069-00343-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	OCC A OHI 601
Latitude:	40.07930822
Longitude:	-80.59809985
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,083
Total Base Water Volume (gal):	25,103,024
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Base Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	88.54875	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.29750	

			Water	7732-18-5	85.00000	0.29750	
			Water	7732-18-5	45.00000	0.29750	
HCL	SWN Well Services	Solvent					
				Listed Below			
Ferriplex 80	SWN Well Services	Iron Control					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			
PLEXSLICK 930	SWN Well Services	Friction Reducer					
				Listed Below			
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
				Listed Below			
FSTI-CI-02	SWN Well Services	Corrosion Inhibitor					
				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	11.06084	
			Hydrochloric Acid	7647-01-0	15.00000	0.04175	

			Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8	45.00000	0.00551	
			Sodium Erythorbate	6381-77-7	100.00000	0.00149	
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00092	
			Ethanol	64-17-5	2.50000	0.00031	
			Ethylene glycol	107-21-1	40.00000	0.00017	
			Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	9016-45-9	10.00000	0.00004	
			Cinnamaldehyde	104-55-2	10.00000	0.00004	
			N,N-Dimethylformamide	68-12-2	10.00000	0.00004	
			Isopropyl alcohol	67-63-0	5.00000	0.00002	
			2-Butoxyethanol	111-76-2	5.00000	0.00002	
			1-Octanol	111-87-5	5.00000	0.00002	
			Triethyl phosphate	78-40-0	5.00000	0.00002	
			benzyl chloridequaternized	72480-70-7	5.00000	0.00002	
			1-Decanol	112-30-1	5.00000	0.00002	

* 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

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

Latitude: 40°05'00"

Latitude: 40°07'30"

SURFACE HOLE 4,132'
BOTTOM HOLE 1,869'



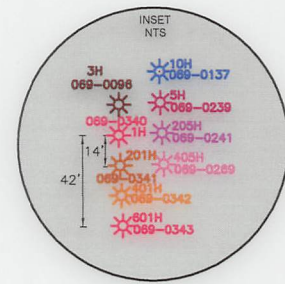
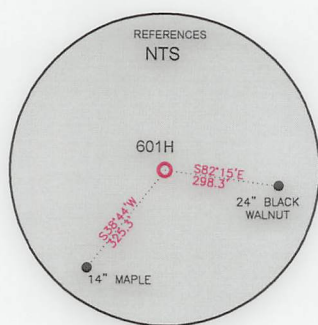
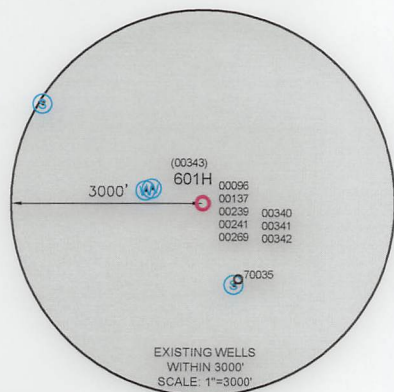
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,637.094 EASTING: 534,266.403
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,535.632 EASTING: 533,270.409
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,440,786.802 EASTING: 531,385.900

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 80°16'33" E	1869.43'	SHL TO LANDMARK	FD. 7" PIPE
L2	S 07°05'56" W	1464.04'	SHL TO LANDMARK	FD. 6" SYCAMORE

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,637.065 EASTING: 534,266.295
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,521.320 EASTING: 533,274.636
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,440,785.023 EASTING: 531,386.469

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 84°11'00" W	3284.60'	3600.25'	SHL TO LP

Longitude: 80°37'30" BOTTOM HOLE 2,985'
Longitude: 80°35'00" SURFACE HOLE 1,466'



WELL RESTRICTIONS

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

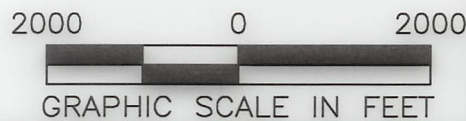
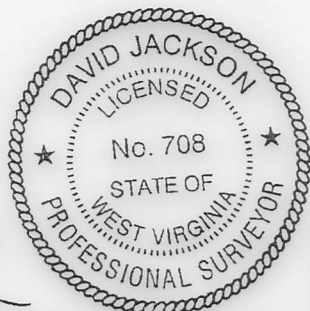
NOTES ON SURVEY

- 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.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 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™

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

OCC-A OHI
OPERATOR'S WELL #: 601H
API WELL #: 47 069 00343
STATE COUNTY PERMIT

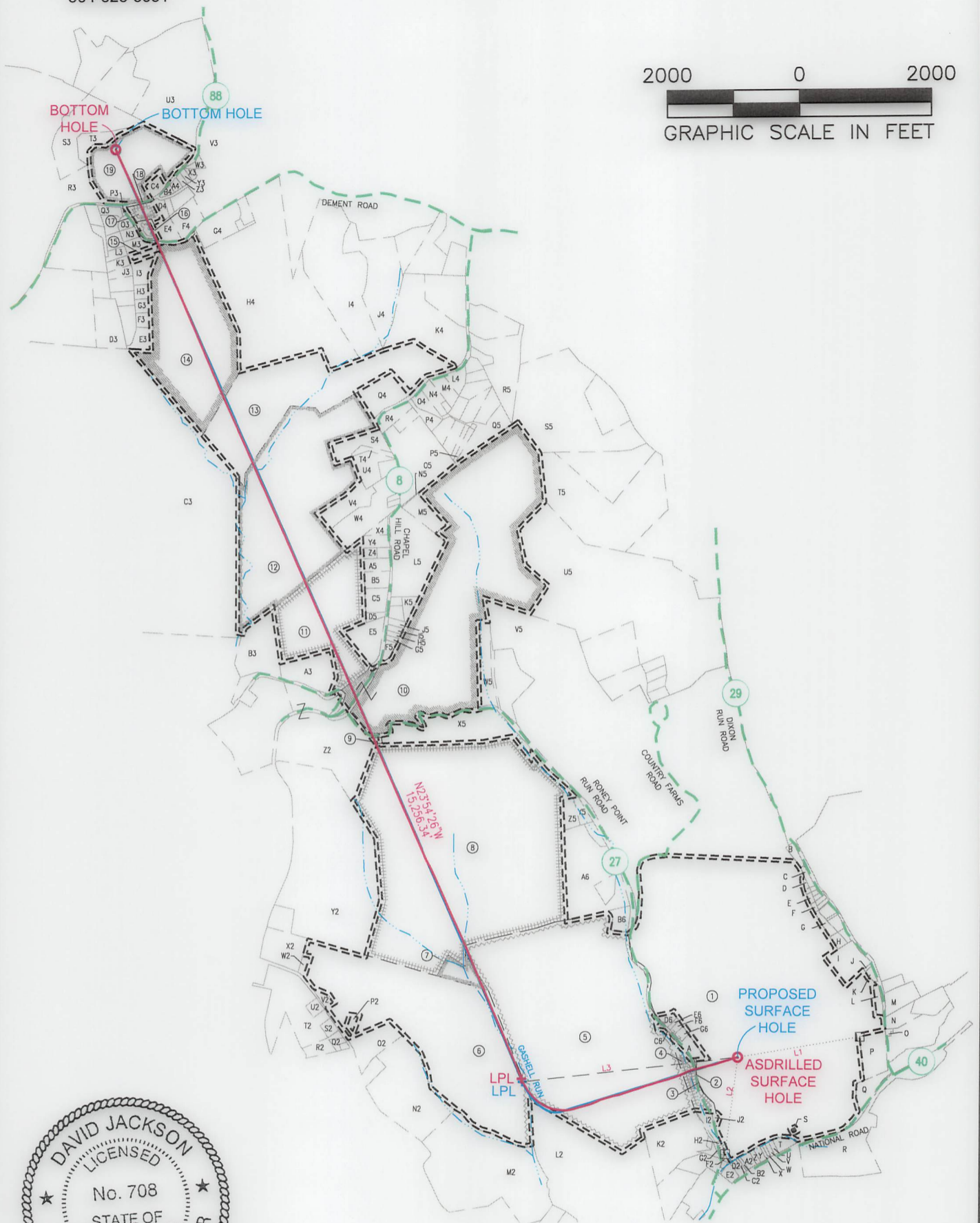
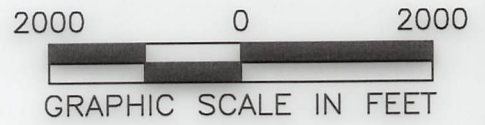
WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: RONEY POINT RUN OF LITTLE WHEELING CREEK OF WHEELING CREEK (HUC-10) ELEVATION: 1095.3'
DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV
SURFACE OWNER: THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO ACREAGE: ±262.85
OIL & GAS ROYALTY OWNER: THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO ACREAGE: ±262.85
DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) ASDRILLED 03/17/2023
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,194 TVD 22,805 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:	<ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ⊗ EXISTING / PRODUCING WELLHEAD LPL ⊗ LANDING POINT LOCATION ⊗ EXISTING WATER WELL ⊗ EXISTING SPRING — SURVEYED BOUNDARY — DRILLING UNIT == LEASE BOUNDARY — ASDRILLED PATH — PROPOSED PATH 	REVISIONS: <table border="1"> <tr><td> </td><td>DATE: 01-13-2023</td></tr> <tr><td> </td><td>DRAWN BY: N. MANO</td></tr> <tr><td> </td><td>SCALE: 1" = 2000'</td></tr> <tr><td> </td><td>DRAWING NO:</td></tr> <tr><td> </td><td>WELL LOCATION PLAT</td></tr> </table>		DATE: 01-13-2023		DRAWN BY: N. MANO		SCALE: 1" = 2000'		DRAWING NO:		WELL LOCATION PLAT
	DATE: 01-13-2023											
	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*

03/17/2023

REVISIONS:	COMPANY:				
	OPERATOR'S				
	WELL #:	OCC-A OHI	API:	DATE: 01-13-2023	
	DISTRICT:	601H	47-069-00343	DRAWN BY: N. MANO	
	TRIADDELPHIA	COUNTY:	STATE:	SCALE: N/A	
		OHIO	WV	DRAWING NO:	
				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	BOARD OF COMM OHIO CO (S/R)	3-L13-3
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	WV DEPARTMENT OF TRANSPORTATION (S)	ROUTE 27
3	HANNING RANDY DALE & BRENDA JOYCE (S)	6-T3-5.1
4	HANNING RANDY & BRENDA (S)	6-T3-5.2
5	MINCH TIMMY B & AMY LYNN (S)	6-T3-5
6	SCOTT PAUL R & JOYCE A (S)	6-T3-3
7	HATCHER EDWARD A (S)	3-L13-1.5
8	OGLEBAY FOUNDATION PROPS INC ANNA C MAXWELL REV TRUST (S)	3-L13-1
9	OGLEBAY FOUNDATION PROPS INC MAXWELL ANNA C REV TRUST (S)	3-L13-1.1
10	LUCHETTI ROBERT R SR - TOD (S)	3-L10-23
11	LUCHETTI ROBERT R SR - TOD (S)	4-R15-28
12	PORTER SANDRA K (S)	4-R15-25
13	GOMPERS EDWARD D AND LINDA M (S)	4-R15-25.1
14	YOUNG TRAVIS & MICHELLE E (S)	4-R15-19
15	SCHMITT BRADLEY A & KAREN M (S)	4-R15-32.1
16	MILLER DANIEL P & CHRISTA M (S)	4-R15-20.2
17	FORD G QUINN & M A (S)	4-R12-10.3
18	WV DEPARTMENT OF TRANSPORTION (S)	ROUTE 88
19	MULL W QUAY II TRUST (S)	4-R12-10.14

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	BOARD OF COMMISSIONERS	6-T3-10
B	STEVENSON KIMBERLY; STEVENSON JAMES; DELGADO BRENDA STEVENSON	3-L13-6.1
C	LOVERIDGE TYSON L & VANESSA	3-L13-6
D	LOVERIDGE TYSON L & VANESSA	3-L13-6.4
E	WHEELER JAMES E III & WHEELER CHRISTINE	3-L13-8.2
F	WHEELER JAMES E JR & B J	3-L13-9
G	WHEELER JOLLY W SR & SARAH JANE (LE); ET AL	3-L13-12.3
H	SHEARER STEVEN P	3-L13-12.1
I	KNIGHT JAMES C & D L	3-L13-13
J	DEMERSKI GARY L & MARY C	3-L13-14
K	BARON KEITH E & C J	3-L13-15
L	HOLMAN HARRY E & CHERYL L	6-T3-11
M	HOLMAN CHERYL L & H E	6-T3-13
N	MOORE GERALD T & A M	6-T3-14
O	MOORE GERALD T & A M	6-T3-14.1
P	OHIO COUNTY COMMISSION	6-T3-28
Q	JDS INVESTMENTS LLC	6-T3-16
R	GARRISON MELODY	6-T3-20
S	VILLAGE OF VALLEY GROVE	6-T3Q-27
T	SUPERIOR INDUSTRIAL LAUNDRIES INC	6-T3Q-26
U	STEPHAN PAULA C AND ORION E	6-T3Q-25
V	FISHER LOGAN J	6-T3Q-24
W	CLARK ROBERT B & EVELYN M	6-T3Q-23
X	SWAIN MARVIN H & K L	6-T3Q-22
Y	PHK LLC	6-T3Q-21
Z	HAMMONS TAMMY M	6-T3Q-20
A2	MCDANIELS EDDIE L & MCDANIELS TRACY L	6-T3Q-19
B2	P-3 EQUITIES LLC	6-T3Q-18.1
C2	FLACK HOLLY M	6-T3Q-18
D2	MCKENNEN JOSEPH A III	6-T3Q-17
E2	VALLEY COIN MACHINE COMPANY LLC	6-T3Q-16
F2	BOARD OF COMM OHIO CO	6-T3Q-13
G2	NELSON KENNETH L	6-T3Q-10
H2	HUNTER JOHN A & C M	6-T3Q-11.1
I2	HUNTER JOHN A & C M	6-T3Q-11
J2	HUNTER JOHN A & C M	6-T3Q-12
K2	BEABOUT RUSSELL W	6-T3Q-8
L2	CROW RAYMOND E	6-T8-7
M2	GOMPERS JAMES C C/O GOMPERS & ASSOCIATES	6-T3-4.2
N2	GOMPERS JAMES C	6-T3-4.1
O2	HINES MATTHEW B & AMBER L	6-T3-2
P2	KLEIN KALVIN K & LORI A	6-T3-3.3
Q2	PAUL WALTER JR, WALTER SR & CLARISSA L	6-T3-30
R2	PAUL WALTER R & CLARISSA	6-T2-32.6
S2	KUTHY JAMES J	6-T3-32
T2	GROVER WM C RACHEL D & TRAVIS R	6-T2-32
U2	ISALY JAY A	6-T3-31
V2	SCOTT RICHARD P; SCOTT LEAH C	6-T3-3.1
W2	MARSHALL KERRY A JR & PHILLIPS DANIELLE M	6-T3-3.2
X2	SPARKS JANET C & NOICE MELANIE	6-T2-31
Y2	MILLER FAMILY TRUST	4-R18-11
Z2	LUCHETTI ROBERT R JR & TERESA	4-R18-29
A3	CRONIN CHEYENNE & AMY	4-R15-28.5
B3	VESPA JOSEPH L	4-R15-28.2
C3	NICHOLS R E 3/8 INT, B L SNAPP 3/8 INT & M C NICHOLS 1/4 INT	4-R15-16
D3	JEWELL RYAN D & JENNIFER C	4-R15-32.21
E3	KASSERMAN RONALD WILLIAM KASSERMAN ELIZABETH A	4-R15-32.10
F3	MULL ADAM C & LAURA E	4-R15-32.9
G3	CONTRAGUERRO ROBERT C JR & CONTRAGUERRO KIMBERLY S	4-R15-32.8
H3	CONTRAGUERRO ROBERT C JR & CONTRAGUERRO KIMBERLY S	4-R15-32.7
I3	SCHMITT BRADLEY A & KAREN M	4-R15-32.14
J3	EDGMON JOHN D & DIANA K REV' LIVING TRUST	4-R15-32.17
K3	EDGMON JOHN D & DIANA K REV' TRUST	4-R15-32.3
L3	CONTRAGURRO THOMAS	4-R15-32.15
M3	ZAMBITO CHRISTOPHER M & GINA	4-R15-32.12
N3	ZAMBITO CHRISTOPHER M & GINA	4-R15-32.13
O3	SABLE ANTHONY R & AMANDA	4-R15-32.6
P3	WEST RENTALS INC	4-R15-32

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
Q3	KUREISHY ZAVEEN A	4-R15-32.2
R3	OGLEBAY FOUNDATION PROPS INC	4-R12-10.2
S3	WEST RENTALS INC	4-R12-10.16
T3	MULL W QUAY II TRUST	4-R12-10.17
U3	MULL W QUAY II TRUST	4-R12-12
V3	WEISS ROBERT L AND PATRICIA J IRREVOCABLE TRUST	4-R12-46
W3	FRANKLIN WOODS ESTATES HOMEOWNERS ASSC INC	4-R12-10.11
X3	STRAUB ENTERPRISES INC	4-R12-10.4
Y3	MARTIN TIMOTHY A & JANICE M	4-R12-10.10
Z3	MARTIN TIMOTHY A & J M	4-R12-10.6
A4	WELLING JAYSON & KARA C	4-R12-10.1
B4	MCCULLOUGH RHONDA JO	4-R12-10.12
C4	GAUDIO ROBERT & CLARE MCDONALD	4-R12-11
D4	MENGEU BRIAN R & LISA M	4-R12-10.9
E4	NICKOLES TODD WILLIAM & ELEISHA JEAN	4-R15-20.1
F4	MILLER HAROLD J JR & S D	4-R15-20
G4	DICKINSON JAMES F; ET AL	4-R15-23
H4	SIXTY FOUR LLC	4-R15-21
I4	TEMPLETON JOHN J DR & LISA J CO-TRUSTEES	4-R15-23.3
J4	REGAN CHRISTOPHER J & HILARY E	4-R15-23.4
K4	KOWCHECK DRAKE M & CAITLIN	4-R15-25.6
L4	HARRIS RICHARD D & PATRICIA	3-L10-17.2
M4	VAN DUSEN JOHN M II & VAN DUSEN AMANDA RAE	3-L10-17.1
N4	DERROW STEPHEN J	3-L10-17.4
O4	HERCULES EUGENE & CARMELINDA S	3-L10-18
P4	HUFFNER EARL P	3-L10-17.12
Q4	MARRINER ROBYN LEE	3-L10-51
R4	WHITE KRISTIAN E & NICOLE	3-L10-19.1
S4	MILLER CALVIN F & BARBARA J	3-L10-25.5
T4	MATTERN KENNETH MARK & MATTERN DANA ANN	3-L10-25.4
U4	PORTER MARK E & BARBARA V	4-R15-25.3
V4	SMITH PRESTON T & SARAH J	3-L10-19.6
W4	A D BAKER HOMES INC	3-L10-19
X4	A D BAKER HOMES INC	4-R15-26
Y4	SIMONS WILLIAM JR & THERESA M	4-R15-26.2
Z4	DIBARTOLOMEO ROBERT	4-R15-33
A5	NEUMANN KAREN JENINE	4-R15-28.7
B5	ROGERSON RONALD EDWIN	4-R15-28.1
C5	WOOD MATHEW J	4-R15-28.3
D5	WOOD MATHEW J	4-R15-28.6
E5	LUCHETTI ROBERT R SR - TOD	4-R15-28.4
F5	MILLER CALVIN F & B J	4-L10-25.1
G5	MILLER WILSON B	4-L10-25
H5	MILLER CALVIN F & BARBARA J	3-L10-25.5
I5	MATTERN KENNETH MARK & MATTERN DANA ANN	3-L10-25.4
J5	CAREY WAYNE L	4-L10-25.3
K5	WOOD MATHEW J & MARIA M	3-L10-25.7
L5	A D BAKER HOMES INC	3-L10-19.4
M5	LUCHETTI ROBERT R JR & TERESA	3-L10-19.5
N5	WHITE KRISTIAN E & NICOLE R	3-L10-23.2
O5	WHITE KRISTIAN E & NICOLE R	3-L10-19.3
P5	MACNEALY JON A AND KAREN L	3-L10-17.13
Q5	PALMER LOUIS III	3-L10-17.16
R5	STINGLE KEVIN W & NICHOLE A	3-L10-13.2
S5	WALTERS GLEN L & R S	3-L10-28
T5	BYRUM CAROLINE LOUSTAU	3-L10-27.3
U5	ABRAHAM THOMAS R & S O	3-L10-26
V5	BOARD OF COMM OHIO CO	3-L13-3.1
W5	OHIO COUNTY COMMISSION	3-L10-23.3
X5	MAXWELL JOSEPH E ANNA C MAXWELL REVOCABLE TRUST	3-L13-1.2
Y5	BENNETT JEFFREY R	3-L13-2.2
Z5	WALTON LISA	3-L13-2.3
A6	MINCH TIMMY B & AMY LYNN	3-L13-2
B6	SHELLER CARL J	3-L13-24
C6	KETRON TRACY E & JOHN P	6-T3-7.1
D6	DERR ALFRED	6-T3-6
E6	KETRON TRACY E & JOHN P	6-T3-7
F6	HUGHES JAMES R & DARLA J	6-T3-8
G6	SHORES BARBARA A	6-T3-9

03/17/2023

REVISIONS:	COMPANY:	 	
	OPERATOR'S	OCC-A OHI	API:
	WELL #:	601H	47-069-00343
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
			DATE: 01-13-2023
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 3