

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

API 47069003540000 County OHIO District Liberty
 Quad BETHANY, WV Pad Name DALLAS HALL-OHI-PAD1 Field/Pool Name PANHANDLE FIELD WET
 Farm Name Agnes L. Hall Well Number DALLAS HALL OHI 406H
 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 4,442,627.98 Easting 532,971.60
 Bottom Hole Northing 4,442,469.29 Easting 532,435.60
 Northing 4,439,445.64 Easting 533,845.67

Elevation (ft) 1,247.70 GL
 Type of Well New Existing
 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 Produce 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

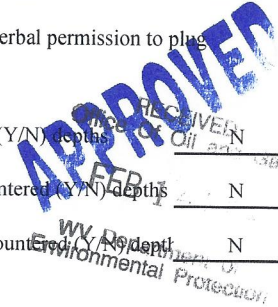
Mud Type(s) and Additive(s) SOBM
 See attached Mud Summary Report

Date permit issued 2023-11-10 Date drilling commenced 2023-07-30 Date drilling ceased 2023-08-15
 Date Completion activities began 2023-12-31 Date Completion activities ceased 2024-01-26
 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 411'
 Salt water depth(s) ft 602'
 Coal depth(s) ft 447'
 Is coal being mined in area (Y/N) N

Opn mine(s) (Y/N) depths N
 Void(s) encountered (Y/N) depths N
 Cavern(s) encountered (Y/N) depths N



Reviewed by: [Signature]
 5/28/2024
 06/14/2024

API 47069003540000 Farm name Agnes L. Hall Well number DALLAS HALL OHI 406H

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	133	NEW	94.00	J-55		Y
Surface	17.500	13.375	520	NEW	54.50	J-55		Y/ 40 BBLS
Coal	SEE SURFACE							
Intermediate 1	12.250	9.625	1928	NEW	36.00	J-55		Y/ 20 BBLS
Intermediate 2								
Intermediate 3								
Production	8.500	5.500	18084	NEW	20.00	P-110 CYHP		Y/ 20 BBLS
Tubing		2.875	7281	NEW	6.50	P-110		
Packer type and depth set								

Comment Details: _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft3/sks)	Volume (ft2)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	560	15.6	1.19	666.4	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	720	15.6	1.18	849.6	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3230	14.5	1.29	722	SURFACE	24
Tubing							

Drillers TD (ft) 18,084' Loggers TD (ft) 18,084'
 Deepest formation penetrated MARCELLUS Plug back to (ft) 17,996'
 Plug back procedure N/A

Kick off depth (ft) 6,051' 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: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 INTERMEDIATE: 25 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 PRODUCTION: 422 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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API 47069003540000

Farm name Agnes L. Hall

Well number DALLAS HALL OHI 406H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
SEE ATTACHMENT 1					

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
SEE ATTACHMENT 2								

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Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS			
MARCELLUS	6,068'	TVD	6,983'	MD

Please insert additional pages applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2435 psi Bottom Hole _____ psi DURATION OF TEST (hrs) _____

OPEN FLOW GAS 10750 mcpd OIL 1170 bpd NGL _____ bpd WATER 1265 bpd
GAS MEASURED BY Estimate Orifice Pilot

LITHOLOGY/ FORMATION TOP DEPTH IN FT BOTTOM DEPTH IN FT TOP DEPTH IN FT BOTTOM DEPTH IN FT DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)

LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)
SEE ATTACHMENT 3					

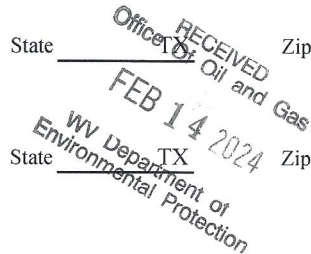
Please insert additional pages as applicable

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 HE WOODLANI State TX Zip 77380

Cementing Company SCHLUMBERGER
Address 110 SCHLUMBERGER DRIVE City SUGAR LAND State _____ Zip 77478

Stimulating Company SWN DRILLING COMPANY
Address PO BOX 12359 City SPRING State _____ Zip 77391-2359



Please insert additional pages as applicable.

Completed by DENISE GRANTHAM Telephone 832.796.6139
Signature *Denise Grantham* Title Regulatory Specialist Date 2.12.2024

DALLAS HALL OHI 406H
ATTACHMENT 1
PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	12/20/2023	17,996	17,900	36
2	1/1/2024	17,866	17,687	36
3	1/1/2024	17,654	17,475	36
4	1/2/2024	17,441	17,262	36
5	1/2/2024	17,229	17,050	36
6	1/2/2024	17,016	16,837	72
7	1/3/2024	16,804	16,625	36
8	1/4/2024	16,592	16,413	36
9	1/4/2024	16,379	16,200	36
10	1/4/2024	16,167	15,988	36
11	1/4/2024	15,955	15,776	36
12	1/4/2024	15,742	15,563	36
13	1/5/2024	15,530	15,351	36
14	1/5/2024	15,317	15,138	36
15	1/5/2024	15,105	14,926	36
16	1/6/2024	14,893	14,714	36
17	1/6/2024	14,680	14,501	36
18	1/6/2024	14,468	14,289	36
19	1/6/2024	14,255	14,076	36
20	1/7/2024	14,043	13,864	36
21	1/7/2024	13,831	13,652	36
22	1/7/2024	13,618	13,439	36
23	1/8/2024	13,406	13,227	36
24	1/8/2024	13,193	13,014	36
25	1/8/2024	12,981	12,802	36
26	1/9/2024	12,769	12,590	36
27	1/9/2024	12,556	12,377	36
28	1/9/2024	12,344	12,165	36
29	1/9/2024	12,132	11,953	36
30	1/10/2024	11,919	11,740	36
31	1/10/2024	11,707	11,528	36
32	1/11/2024	11,494	11,315	36
33	1/11/2024	11,282	11,103	36
34	1/11/2024	11,070	10,891	36
35	1/11/2024	10,857	10,678	36
36	1/11/2024	10,645	10,466	36
37	1/12/2024	10,432	10,253	36
38	1/12/2024	10,220	10,041	36
39	1/12/2024	10,008	9,829	36
40	1/12/2024	9,795	9,616	36
41	1/12/2024	9,583	9,404	36
42	1/13/2024	9,370	9,191	36
43	1/13/2024	9,158	8,979	36

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ATTACHMENT 1
PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
44	1/13/2024	8,946	8,767	36
45	1/14/2024	8,733	8,554	36
46	1/14/2024	8,521	8,342	36
47	1/14/2024	8,309	8,130	36
48	1/14/2024	8,096	7,917	36
49	1/14/2024	7,884	7,705	36
50	1/15/2024	7,671	7,492	36
51	1/15/2024	7,459	7,280	36
52	1/15/2024	7,247	7,068	36

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DALLAS HALL OHI 406H

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	1/1/2024	89.8	7,699	5,864	4,116	217,380	6,719	0
2	1/1/2024	83.7	7,798	5,718	4,703	368,470	8,687	0
3	1/1/2024	92	8,361	5,335	5,005	368,010	8,501	0
4	1/2/2024	90.2	8,132	5,513	4,463	367,290	8,476	0
5	1/2/2024	85.5	8,303	6,528	4,309	365,690	8,216	0
6	1/2/2024	78	8,145	6,470	5,222	374,220	12,227	0
7	1/3/2024	71.9	6,063	5,500	4,907	366,470	10,879	0
8	1/4/2024	87.9	8,056	5,391	4,632	372,920	8,356	0
9	1/4/2024	89.8	8,046	6,015	5,000	368,580	8,273	0
10	1/4/2024	89.6	7,980	5,000	5,120	370,370	8,217	0
11	1/4/2024	96.3	8,152	4,582	4,790	364,760	7,762	0
12	1/5/2024	96.9	8,153	5,377	4,670	371,380	8,186	0
13	1/5/2024	91.4	7,873	5,646	4,960	372,560	7,934	0
14	1/5/2024	88.6	7,789	5,600	4,981	367,120	8,568	0
15	1/5/2024	88.3	7,894	4,714	4,685	365,880	8,025	0
16	1/6/2024	84.3	7,250	5,590	4,865	375,560	8,230	0
17	1/6/2024	94.2	8,079	5,257	4,720	373,790	8,034	0
18	1/6/2024	90.3	7,894	5,031	4,790	372,570	7,196	0
19	1/7/2024	89.4	7,425	5,464	4,802	372,790	7,793	0
20	1/7/2024	64.5	5,710	4,595	5,000	372,050	8,527	0
21	1/7/2024	89.5	7,624	4,425	4,850	366,740	7,549	0
22	1/7/2024	87.7	7,475	5,245	4,643	365,600	7,687	0
23	1/8/2024	80	6,941	4,281	4,688	359,580	7,364	0
24	1/8/2024	75	6,613	4,280	5,310	357,830	7,335	0
25	1/8/2024	80.2	6,905	4,494	4,800	366,060	8,816	0
26	1/9/2024	89.4	7,587	4,665	4,800	296,380	6,492	0
27	1/9/2024	83.7	6,939	5,375	4,800	363,990	7,658	0
28	1/9/2024	99.2	7,930	5,997	4,329	370,130	7,283	0
29	1/10/2024	93.4	7,895	3,514	4,621	371,960	7,159	0
30	1/10/2024	98	8,287	5,117	4,321	366,960	7,723	0
31	1/10/2024	99.9	8,191	5,268	4,627	370,300	7,241	0
32	1/11/2024	98.6	7,772	4,082	4,617	365,420	7,017	0
33	1/11/2024	98.2	7,894	5,435	4,800	370,360	7,655	0
34	1/11/2024	87.3	7,338	5,225	4,637	371,020	7,391	0
35	1/11/2024	85.6	6,676	4,872	4,790	374,960	7,737	0
36	1/11/2024	95.5	7,933	4,945	4,454	363,620	6,880	0
37	1/12/2024	96.5	7,531	4,265	4,720	366,600	7,108	0
38	1/12/2024	92.5	7,339	5,120	4,700	374,480	7,530	0
39	1/12/2024	99.8	7,829	4,300	4,720	370,340	7,881	0
40	1/12/2024	99.8	7,753	4,920	4,521	364,520	6,738	0
41	1/12/2024	93.6	7,575	4,095	4,267	363,760	6,690	0
42	1/13/2024	96.9	7,543	4,684	4,624	365,500	6,676	0
43	1/13/2024	94.6	7,181	5,075	4,700	363,720	7,600	0
44	1/14/2024	96.5	7,263	4,683	4,504	359,165	6,840	0
45	1/14/2024	98.4	7,014	4,173	4,564	359,960	6,811	0
46	1/14/2024	99.3	7,123	4,220	4,820	359,240	6,824	0
47	1/14/2024	98.6	7,170	4,310	5,000	361,380	5,989	0
48	1/14/2024	97	7,109	4,240	4,591	372,480	6,841	0
49	1/14/2024	98.4	7,078	5,162	4,580	370,020	7,055	0
50	1/15/2024	98.5	7,001	3,963	4,795	367,900	6,764	0
51	1/15/2024	98	7,397	4,180	4,890	276,600	4,495	0
52	1/15/2024	91.7	6,391	4,450	4,800	368,460	6,808	0

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Well Name: Dallas Hall OHI 406H 47069003540000

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	411.00	411.00	
Top of Salt Water	602.00	602.00	NA	NA	
Pittsburgh Coal	447.00	447.00	453.00	453.00	
Pottsville (ss)	608.00	608.00	668.00	668.00	
Raven Cliff (ss)	938.00	937.00	1140.00	1137.00	
Big Injun (ss)	1650.00	1639.00	1821.00	1808.00	
Rhinestreet (shale)	6166.00	5526.00	6481.00	5781.00	
Cashaqua (shale)	6481.00	5781.00	6555.00	5836.00	
Middlesex (shale)	6555.00	5836.00	6675.00	5919.00	
Tully (ls)	6675.00	5919.00	6762.00	5973.00	
Mahantango (shale)	6762.00	5973.00	6983.00	6068.00	
Marcellus (shale)	6983.00	6068.00	NA	NA	GAS

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/31/2023
Job End Date:	01/15/2024
State:	West Virginia
County:	Ohio
API Number:	47-069-00354-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	DALLAS HALL OHI 406H
Latitude:	40.133306
Longitude:	-80.612991
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6286
Total Base Water Volume (gal)*:	16567206
Total Base Non Water Volume:	0



Water Source	Percent
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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					
Ingredients	Listed Above	Listed Above					
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
PLEXSLICK 930	SWN Well Services	Friction Reducer					
Sand	SWN Well	Proppant					

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	Services						
Tolicide 4Frac	SWN Well Services	Biocide					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	87.66858	Density = 8.345
			Crystalline Silica, quartz	14808-60-7	100.00000	11.93969	
			Water	7732-18-5	85.00000	0.30604	
			Water	7732-18-5	45.00000	0.30604	
			Water	7732-18-5	100.00000	0.30604	
			Hydrochloric Acid	7647-01-0	15.00000	0.04586	
			Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8	45.00000	0.00464	
			Sodium Erythorbate	6381-77-7	100.00000	0.00163	
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00077	
			Ethanol	64-17-5	2.50000	0.00026	
			Ethylene glycol	107-21-1	40.00000	0.00019	
			Cinnamaldehyde	104-55-2	10.00000	0.00005	
			N,N-Dimethylformamide	68-12-2	10.00000	0.00005	
			Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)- .omega.-hydroxy-	9016-45-9	10.00000	0.00005	
			2-Butoxyethanol	111-76-2	5.00000	0.00002	
			1-Octanol	111-87-5	5.00000	0.00002	
			1-Decanol	112-30-1	5.00000	0.00002	
			Isopropyl alcohol	67-63-0	5.00000	0.00002	
			benzyl chloridequaternized	72480-70-7	5.00000	0.00002	
			Triethyl phosphate	78-40-0	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%

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)

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WR-36
Rev. 5/08

Date: 2/12/2024
Operators Well Number: Dallas Hall OHI 406H
API Well No: 47-069 - 00354

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

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 6,290' TVD / 18,084' MD feet
Perforation Interval 7,068' / 17,996' 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 2/10/2024	Time 9:00 AM	End of Test Date 2/11/2024	Time 9:00 AM	Duration of Test 24 Hours
Tubing Pressure 860	Casing Pressure 1785	Separator Pressure 335	Separator Temperature 115	
Oil Production During Test 1170 BBLs	Gas Production During Test 10750 MCF	Water Production During Test 1265 BBLs 105,000 PPM Chlorides -Salinity		
Oil Gravity 60 API	Producing Method (flowing, pumping, gas lift etc.) Free Flowing Up Tubing			

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 3"	Pipe Diameter (inside) 3"	Nominal Choke Size inches 128/128
Differential Pressure range 159-236	Max. Static pressure range 400	Prover and Orifice diameter - inches 3"
Differential 210	Static 335	RECEIVED Office of Oil and Gas FEB 14 2024
Gas Gravity (Air = 1.0) Measured N/A Estimated 0.78	Flowing Temperature 115	Gas Temperature 115 WV Department of Environmental Protection
24 Hour Coefficient 1	24 Hour coefficient pressure PSIA 14.65	

TEST RESULTS

Daily Oil 1170	Daily Water 1265	Daily Gas 10750	Gas-Oil Ratio 9.2
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Well Operator
BY DENISE GRANTHAM
ITS: DESIGNATED REPRESENTATIVE

06/14/2024

Latitude: 40°10'00" SURFACE HOLE 8,289'

Latitude: 40°07'30" BOTTOM HOLE 7,074'

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

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

Table with 2 columns: Location Name and UTM Coordinates (Northings and Eastings). Includes Surface Hole Location (SHL), Landing Point Location (LPL), Azimuth Point Location-1 (AZL1), Azimuth Point Location-2 (AZL2), and Bottom Hole Location (BHL).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Lists lines L1, L2, L3, and L4 with their respective bearings, distances, and descriptions.

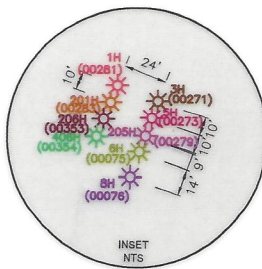
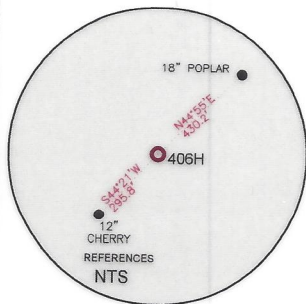
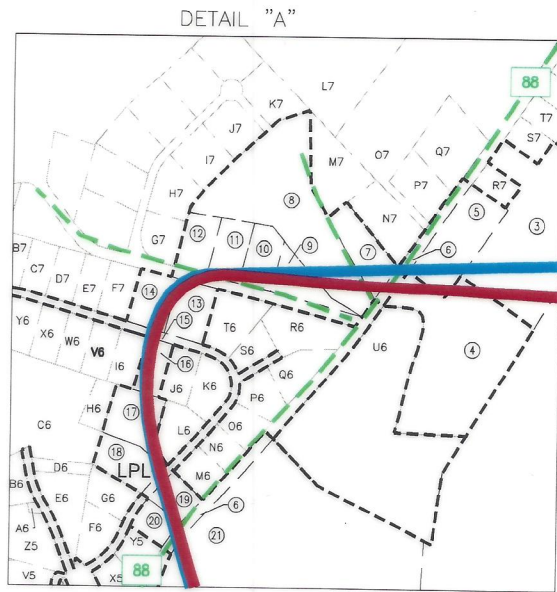
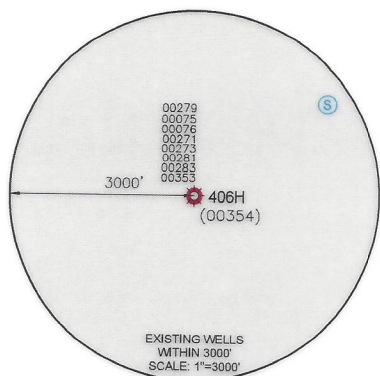


Table with 2 columns: Location Name and UTM Coordinates. Includes Surface Hole Location (SHL), Landing Point Location (LPL), Azimuth Point Location-1 (AZL1), Azimuth Point Location-2 (AZL2), and Bottom Hole Location (BHL).



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.

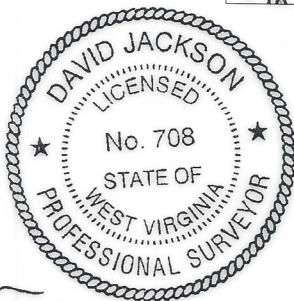
NOTES ON SURVEY

- 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. 708

David L Jackson



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

DALLAS HALL OHI OPERATOR'S WELL #: 406H
API WELL #: 47 STATE 069 COUNTY 00354 PERMIT

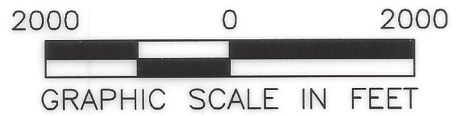
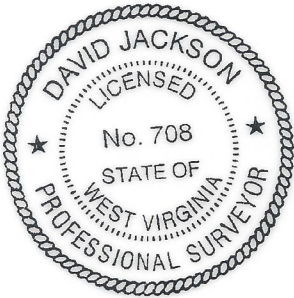
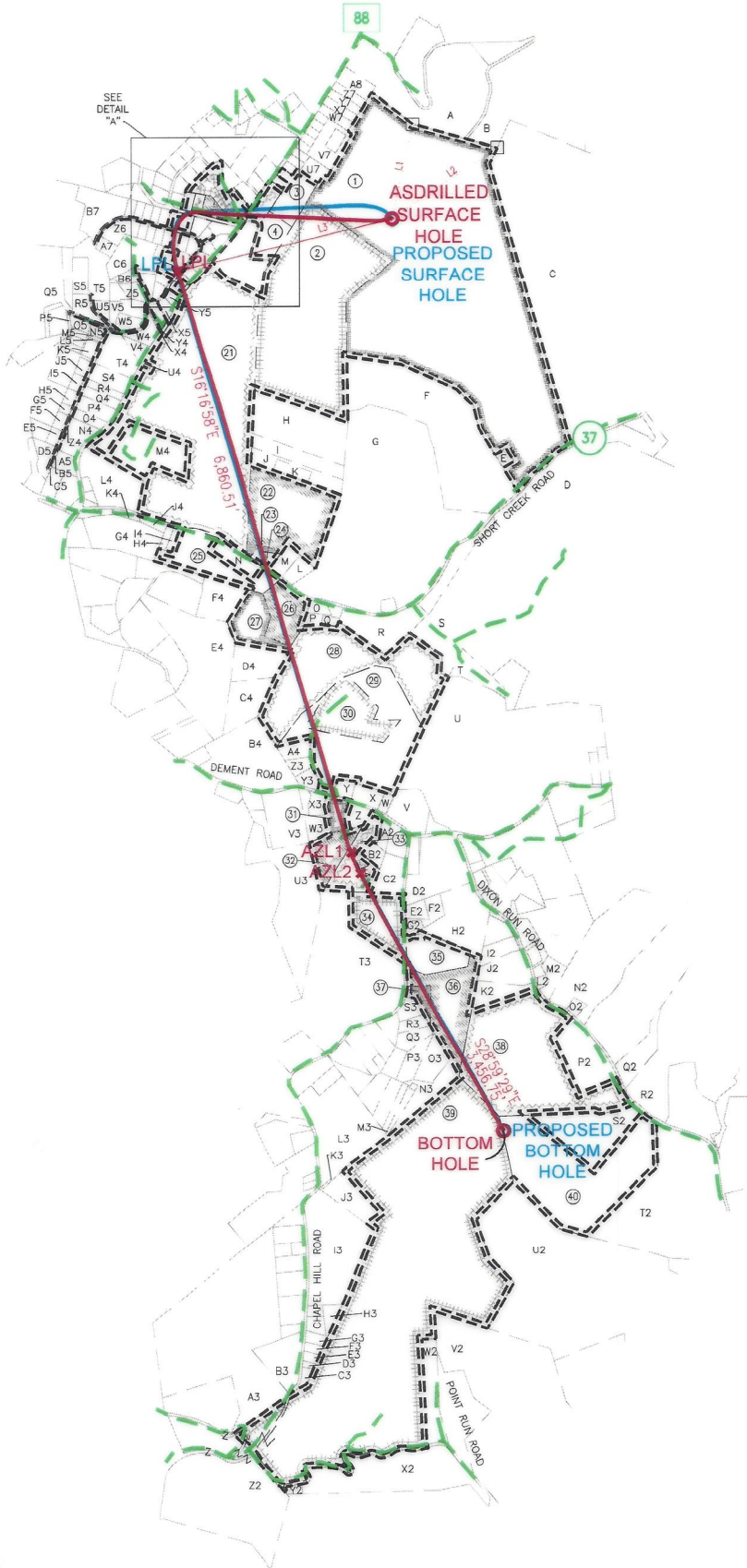
WELL TYPE: OIL WASTE DISPOSAL PRODUCTION X DEEP GAS LIQUID INJECTION STORAGE SHALLOW X
WATERSHED: SHORT RUN-OHIO RIVER (HUC-10) DISTRICT: LIBERTY COUNTY: OHIO ELEVATION: 1274.7'
SURFACE OWNER: AGNES L. HALL OIL & GAS ROYALTY OWNER: AGNES L. HALL ACREAGE: ±162.58
DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE X (SPECIFY) ASDRILLED
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,290 TD

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

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, ASDRILLED PATH, PROPOSED PATH, REVISIONS, DATE: 09-13-2023, DRAWN BY: N. MANO, SCALE: 1" = 2000', DRAWING NO., WELL LOCATION PLAT

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

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



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

LEGEND:

- 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:	COMPANY:			DATE: 09-13-2023
				DRAWN BY: N. MANO
	OPERATOR'S	DALLAS HALL OHI	API NUMBER:	SCALE: N/A
	WELL #:	406H	47-069-00354	DRAWING NO:
	DISTRICT:	LIBERTY	STATE:	WV
				WELL LOCATION PLAT 2

06/14/2024

**JACKSON SURVEYING
INC.**

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	WEAVER DAVID M & BETH R	3-L4-15
B	EVANS CATHERINE & DAVID	3-L4-13.1
C	CLUSER MARY HELEN; TR	3-L7-2
D	WHITAKER REVOCABLE FAMILY TRUST	3-L7-27
E	DICKERSON CYNTHIA ANN HALL	3-L7-1
F	HALL MICHAEL JAMES (2/3 INT) & DICKERSON CYNTHIA HALL (1/3)	3-L7-20
G	HALL MICHAEL JAMES (2/3 INT) & DICKERSON CYNTHIA HALL (1/3)	3-L7-21
H	MEALY MELISSA & FAUBER JENNA	4-R12-39
I	MCKENZIE RONALD M & DEBORAH	4-R12-39.1
J	CALDWELL JEFFREY WAYNE	4-R12-40.1
K	CALDWELL JEFFREY WAYNE	4-R12-40
L	RINEHART JAMES R JR	4-R12-41.3
M	RINEHART JAMES R JR	4-R12-41.1
N	LOUGH DONALD E & D A	4-R12-43
O	DENT SARA R & DAVID A	4-R12-45.22
P	DENT DAVID A & SARA R	4-R12-45.18
Q	THROCKMORTON SARA R DENT DAVID A	3-L7-51
R	WHITAKER REVOCABLE FAMILY TRUST	3-L7-27.3
S	WHITAKER REVOCABLE FAMILY TRUST	3-L7-27
T	WHITAKER REVOCABLE FAMILY TRUST	3-L7-26
U	KEREKLS JAMES S & PAMELA SUE	3-L7-25
V	BUCH JAMES E & SAMANTHA H	3-L7-23
W	OTTE KAREN S	3-L7-22.5
X	NEWLAND SUZANNE M	3-L7-22.2
Y	DEMENT TRUST AUBER DARLENE TRUSTEE FOR	3-L7-22.4
Z	STIFEL EDWARD W III	3-L10-1
A2	SEABRIGHT JUNE M	3-L10-1.3
B2	SEABRIGHT JUNE M	3-L10-1.2
C2	BURKE STEPHEN R & RAINA J	3-L10-1.1
D2	WHITING CHARLES ROBERT II	3-L10-6
E2	CHAMBERS JASON A & AMBER D	3-L10-14
F2	CHAMBERS JASON A & AMBER D	3-L10-14.1
G2	GORBY MARK A & SARA	3-L10-14.2
H2	HOLLANDWORTH KIMBERLY J ET AL	3-L10-13
I2	COMER ALAN NATALIA OMELENKO-COMER	3-L10-28.2
J2	ABRAHAM ZACHARY T & CATERINA M	3-L10-28.1
K2	CONNIFF JONI & ROBERT	3-L10-28.4
L2	MURPHY CHARLES W JR	3-L10-33
M2	MURPHY CHARLES WILLIAM	3-L10-10.6
N2	ROY RICHARD J JR & BETHELLEN	3-L10-31
O2	MURPHY MICHAEL E & EILEEN A	3-L10-32
P2	ALBRECHT LUTZ F & DORIS J-TOD	3-L10-28.5
Q2	STONE REBECCA	3-L10-29.1
R2	GILMORE LINDA	3-L10-29
S2	BYRUM CAROLINE LOUSTAU	3-L10-27.1
T2	LOUSTAU JEAN P & LP (RESV LF)BYRUM CAROLINE L	3-L10-27
U2	ABRAHAM THOMAS R & S O	3-L10-26
V2	BOARD OF COMM OHIO CO	3-L13-3.1
W2	WEIR ROBERT AND BRIDGET	3-L10-23.1
X2	MAXWELL JOSEPH E ANNA C MAXWELL REVOCABLE TRUST	3-L13-1.2
Y2	OGLEBAY FOUNDATION PROPS INC MAXWELL ANNA C REV TRUST	3-L13-1.1
Z2	LUCHETTI ROBERT R JR & TERESA	4-R18-29
A3	LUCHETTI ROBERT R SR - TOD	4-R15-28
B3	LUCHETTI ROBERT R SR - TOD	4-R15-28.4
C3	MILLER CALVIN F & B J	4-L10-25.1
D3	MILLER WILSON B	4-L10-25
E3	MILLER CALVIN F & BARBARA J	3-L10-25.5
F3	MATTERN KENNETH MARK MATTERN DANA ANN	3-L10-25.4
G3	CAREY WAYNE L	4-L10-25.3

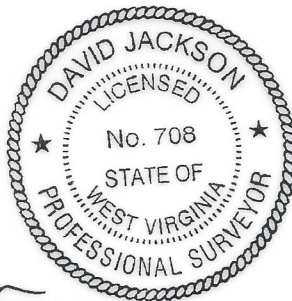
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	HALL MICHAEL JAMES (2/3 INT) & DICKERSON CYNTHIA HALL (1/3) (S/R)	3-L7-19
2	HALL MICHAEL JAMES (2/3 INT) & DICKERSON CYNTHIA HALL (1/3) (S)	3-L7-21.1
3	STERN VIRGINIA S (S)	4-R12B-1.1
4	CASTLE KEITH D & AMANDA M (S)	4-R12B-1.9
5	RODRIGUEZ EUSEBIO ELVSTROM (S)	4-R12B-1.2
6	WV DEPARTMENT OF TRANSPORTATION (S)	ROUTE 88
7	BAKER JOSEPH MICHAEL (S)	4-R12-36.5
8	HOWARD CHRISTOPHER J (S)	4-R12-36
9	HOTLOSZ FRANK A & C L B (S)	4-R12B-10.6
10	STONEKING JAMES B & B J (S)	4-R12B-10.5
11	STERN VIRGINIA S (S)	4-R12B-10.1
12	STERN VIRGINIA S (S)	4-R12B-10.8
13	KNIGHT JEFFREY M & KRISTEN M (S)	4-R12-19.26
14	BAKAITIS BRIAN S (S)	4-R12-19.24
15	FEDORKA FRANK TRUST 1993 (S)	4-R12-19
16	CALDWELL JEFFREY WAYNE (S)	4-R12-19.40
17	CARNEY MICHAEL B & KERRY M (S)	4-R12-19.6
18	MULL RICHARD C & D (S)	4-R12-19.10
19	DANN JEREMIAH & JENNIFER (S)	4-R12-19.11
20	SPARKS KEVIN T & KELLY L (S)	4-R12-19.7
21	WELTY JOHN P (S)	4-R12-35
22	JELLEN ELIZABETH M (S)	4-R12-41
23	DNR PROPERTIES LLC (S)	4-R12-41.4
24	DNR PROPERTIES LLC (S)	4-R12-41.2
25	TAYLOR KATHLEEN E & KEVIN J (S)	4-R12-44
26	DENT SARA R & DAVID A (S)	4-R12-45.21
27	SMITH DALE II (S)	4-R12-45.10
28	THROCKMORTON SARA R DENT DAVID A (S)	4-R12-45.16
29	ROBINSON JACOB (S)	3-L7-22
30	PERRY MATTHEW T W & SHELLY L (S)	3-L7-22.8
31	BIPPUS CARL S (S)	3-L10-2
32	BIPPUS CARL S (S)	3-L10-1.7
33	SEABRIGHT JUNE M (S)	3-L10-1.6
34	BURKE STEPHEN R & RAINA J (S)	3-L10-15
35	JOSEPH BRIAN E (S)	3-L10-13.3
36	HAZLETT SUSAN H ET AL (S)	3-L10-13.2
37	IRWIN WM F & MJ (S)	3-L10-13.1
38	WALTERS GLEN L & R S (S)	3-L10-28
39	LUCHETTI ROBERT R SR - TOD (S)	3-L10-23
40	BYRUM CAROLINE LOUSTAU (S)	3-L10-27.3

*HIGHLIGHTED PARCEL IMPACTED BY DRILLING ACTIVITY

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:			06/14/2024
	OPERATOR'S	DALLAS HALL OHI	API NUMBER:	DATE: 09-13-2023
	WELL #:	406H	47-069-00354	DRAWN BY: N. MANO
	DISTRICT:	LIBERTY	STATE:	SCALE: N/A
		OHIO	WV	DRAWING NO:
				WELL LOCATION PLAT 3

JACKSON SURVEYING

INC.



2413 EAST PIKE ST. # 112

Clarksburg, WV 26301

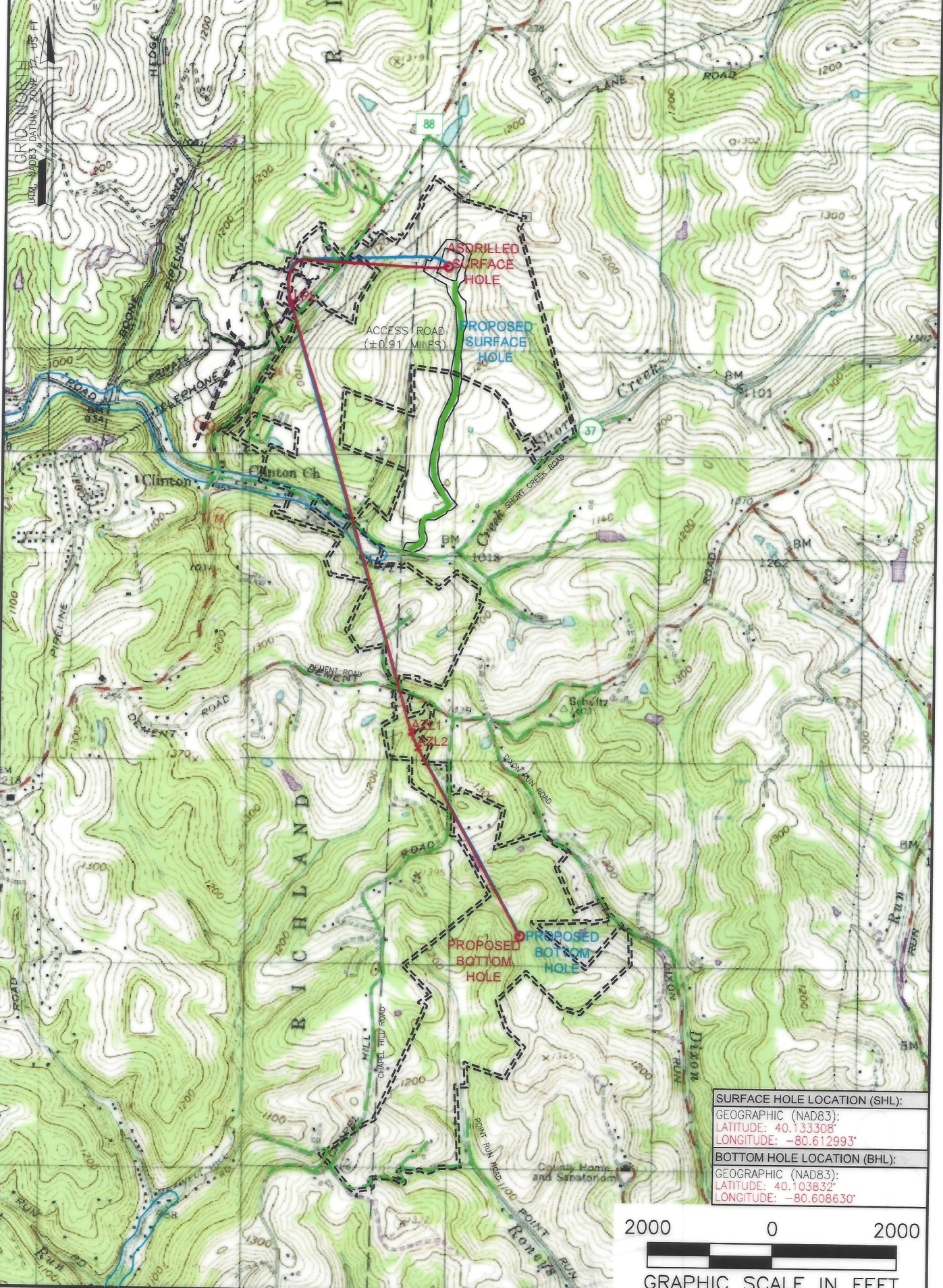
304-623-5851

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
H3	WOOD MATHEW J & MARIA M	3-L10-25.7	O5	MENDELSON MATTHEW D JONES SHARON R	4-R12-23.10
I3	A D BAKER HOMES INC	3-L10-19.4	P5	RATCLIFFE MICHAEL THOMAS & MICHELLE LYNN	4-R12-23.15
J3	LUCHETTI ROBERT R JR & TERESA	3-L10-19.5	Q5	JONES ROBERT E LIVING TRUST C/O JONES ROBERT E TRUSTEE	4-R12-18
K3	WHITE KRISTIAN E & NICOLE R	3-L10-23.2	R5	KEDING STEPHEN E & DEBORAH E	4-R12-19.21
L3	WHITE KRISTIAN E & NICOLE R	3-L10-19.3	S5	RHOME DANIEL D & WENDY L	4-R12-19.45
M3	MACNEALY JON A AND KAREN L	3-L10-17.13	T5	LAWTHER DENNIS E AND ANNA M	4-R12-19.35
N3	PALMER LOUIS III	3-L10-17.16	U5	MARSH BENJAMIN A	4-R12-19.31
O3	HUNTER LAURA L	3-L10-17	V5	ELSWICK CARLEY & CHRISTOPHER	4-R12-21
P3	MACNEALY JON A AND KAREN L	3-L10-17.5	W5	WOODS EDWARD A & K L	4-R12-21.1
Q3	CROW SHAWN & KIMBERLY A	3-L10-17.9	X5	LUCAS RICHARD J & KRISTEN L	4-R12-19.4
R3	KOLISCAK JENNA M JAFRATE CHRISTPHER A	3-L10-17.7	Y5	COLUMBIA GAS TRANSMISSION CORP	4-R12-19.1
S3	KOLISCAP JENNA M JAFRATE CHRISTOPHER A	3-L10-17.8	Z5	WOLF THOMAS J & JUDITH K	4-R12-19.8
T3	KOWCHECK DRAKE M & CAITLIN	4-R15-25.6	A6	WOLF THOMAS J & JUDITH K	4-R12-19.42
U3	REGAN CHRISTOPHER J & HILARY E	4-R15-23.4	B6	BROADWATER FRANCINE	4-R12-19.44
V3	STIFEL EDWARD W III	4-R15-24	C6	BROADWATER TRAVIS	4-R12-19.25
W3	FINNERAN LAWRENCE P & KATHLEEN	3-L10-1.5	D6	YAHN CHRISTOPHER & JACQUELINE	4-R12-19.3
X3	FINNERAN LAWRENCE P & KATHLEEN	3-L10-1.4	E6	YAHN CHRISTOPHER & JACQUELINE	4-R12-19.2
Y3	HIGH PHILIP D	3-L7-22.3	F6	JACKSON HOLE PROPERTIES LLC	4-R12-19.15
Z3	AMERICAN LEBANESE SYRIAN ASSOCIATED CHARITIES INC	3-L7-22.7	G6	LONG BRIAN K & STACEY M	4-R12-19.13
A4	BARBE BARRY A & CHRISTY	3-L7-22.6	H6	CARNEY MICHAEL B & KERRY N M	4-R12-19.12
B4	DECARLO VINCENT G & KRISTEN A	4-R12-45.3	I6	GRUBER ALEX J AMANDA L	4-R12-19.46
C4	PHILLIPS TINA L & PADDEN EIZABETH A	4-R12-45.8	J6	EDGMON DENA M	4-R12-19.18
D4	CRAIG JEFFERY & LAUREN	4-R12-45.5	K6	GEORGE THOMAS E & K A	4-R12-19.16
E4	TARR JOHN A IV	4-R12-45	L6	BURKEY MICHAEL P & ASHLEE A	4-R12-19.9
F4	TENNANT JEFFREY AND ANGELA M	4-R12-45.7	M6	NASH GARY ALLEN JR & NASH WHITNEY MARIE NOEL	4-R12-19.36
G4	HENRY LORI J C/O HENRY'S SERVICE STATION	4-R12-31	N6	NASH GARY A JR	4-R12-19.47
H4	HARTO CHRISTOPHER L	4-R12-33	O6	NASH GARY A JR	4-R12-19.48
I4	DEGARMO SCOTT M & AMANDA K	4-R12-34	P6	FEDORKA DOLORES M TRUST 1993	4-R12-19.49
J4	LUZADER BEVERLY J	4-R12-32	Q6	MORAY NICHOLAS & LAUREN	4-R12-19.19
K4	REAM ANN E	4-R12-30	R6	SHORT LUKE A KUCERA-SHORT JENNIFER L	4-R12-19.17
L4	GORNEY MARY M(LIFE ESTATE) TAGG KATHLEEN G GORNEY	4-R12-24	S6	SHORT LUKE A KUCERA-SHORT JENNIFER L	4-R12-19.20
M4	GANO DAVID BOYCE & MARY ELLEN	4-R12-35.1	T6	KUBOVICZ SUSAN K	4-R12-19.23
N4	RUMIS HARRY A JR AND EDITH J RUMIS REVOCABLE TRUST	4-R12-23	U6	CASTLE DAVID N & RITA A	4-R12B-1.3
O4	PAREE MATTHEW J & TISHA L	4-R12-23.6	V6	BARTON JEREMY D & BROOKE M	4-R12-19.37
P4	JEBBIA E; RUTTENBERG R & O'DELL J	4-R12-23.5	W6	BARTON JEREMY D & BROOKE M	4-R12-19.27
Q4	BUFFINGTON ROBBY W	4-R12-23.9	X6	BARTON JEREMY D & BROOKE M	4-R12-19.38
R4	CIARROCCI GLORIA J	4-R12-23.4	Y6	BROADWATER TRAVIS J & JENNA M	4-R12-19.39
S4	BARON MICHAEL L AND KATHY D	4-R12-23.8	Z6	BROADWATER TRAVIS J & JENNA N	4-R12-19.51
T4	WITZBERGER LAWRENCE W III & JACQUELYN MAIN	4-R12-22	A7	COTTRELL DOMINIC J & SHERRIE D	4-R12-19.34
U4	OHIO COUNTY PUBLIC SERV DIST	4-R12-35.3	B7	WODESKY ERIC & JENNIFER	4-R12-19.41
V4	WITZBERGER LAWRENCE W & JACKIE M	4-R12-23.2	C7	BRYAN JENNIFER M	4-R12-19.43
W4	WITZBERGER LAWRENCE IV	4-R12-19.5	D7	BRYAN JENNIFER M	4-R12-19.50
X4	TIERRA HOME OWNERS ASSOCIATION INC	4-R12-19.32	E7	MOORE MITCHELL & SANDRA	4-R12-19.29
Y4	TIERRA HOME OWNERS ASSOCIATION INC	4-R12-19.33	F7	MOORE MITCHELL J & SANDRA	4-R12-19.28
Z4	BOHN ROLLIN P & TARA M	4-R12-23.36	G7	STERN VIRGINIA S	4-R12B-10.9
A5	STOLZ WILLIAM C	4-R12-23.7	H7	HOWARD ANDREW	4-R12B-10.10
B5	STOLZ WILLIAM C	4-R12-23.7	I7	HOWARD CHRISTOPHER J	4-R12B-10.11
C5	DEFRANCO DAVID P & KRISTY A	4-R12-23.3	J7	HOWARD CHRISTOPHER J	4-R12B-10.12
D5	ZAHNOW HOLLY J	4-R12-23.24	K7	HOWARD CHRISTOPHER J	4-R12B-10
E5	GEORGE CHRISTOPHER T & AMBER D	4-R12-23.21	L7	SMITH ORVILLE A II & ALEXIS PICKER	4-R9-32
F5	BOHN ROLLIN P & TARA	4-R12-23.22	M7	BURKHART MARY J G & M J	4-R12-36.3
G5	PAREE MATTHEW J & TISH L	4-R12-23.20	N7	CARTISANO JOSEPH S & S P	4-R12-36.4
H5	PAREE TISH L NELSON DALE & PAMELA	4-R12-23.23	O7	SMITH ORVILLE A II & ALEXIS PICKER	4-R9-34
I5	CANESTRARO VICTOR R & TRACY L	4-R12-23.25	P7	PETTIT BERNARD R	4-R12-48
J5	DIMMICK DANIEL AUGUSTUS & TAMA LYNN	4-R12-23.18	Q7	WEEKS BRADLEY & NANCY	4-R9-34.1
K5	MILLER JOHN DAVID & JENNIFER LYN	4-R12-23.26	R7	PYLE JOHN R & T A	4-R12B-5
L5	MILLER JOHN DAVID & JENNIFER L	4-R12-23.33	S7	JARVIS WILLIAM R & SANDRA K	4-R12B-6
M5	MENDELSON MATTHEW D & SHARON R	4-R12-23.28	T7	HASTINGS DALE A & JENNIFER E	4-R12B-1.4
N5	MENDELSON MATTHEW JONES SHARON	4-R12-23.11	U7	KELLAS STEVE	4-R12B-1.5
			V7	GOSSETT MATHEW H	4-R12B-1
			W7	STROMATOS GEORGE	3-L4-24
			X7	STROMATOS GEORGE	3-L4-24.1
			Y7	STROMATOS GEORGE	3-L4-24.2
			Z7	RUTHERS DAVID G	3-L4-22
			A8	HLA YE M & MYINT EI E	3-L4-20

06/14/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DALLAS HALL OHI	API NUMBER:
	WELL #:	406H	47-069-00354
	DISTRICT:	LIBERTY	STATE:
		OHIO	WV
			DATE: 09-13-2023
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 4

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.133308°
LONGITUDE: -80.612993°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.103832°
LONGITUDE: -80.608630°

2000 0 2000



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.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- ⊙ EXISTING WATER WELL
- ⊕ EXISTING SPRING
- SURVEYED BOUNDARY
- DRILL PATH
- == LEASE BOUNDARY
- ADSRILLED PATH
- PROPOSED PATH

06/14/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: DALLAS HALL OHI	WELL # 406H	SERIAL #
ADDRESS: 1300 FORT PIERPONT RD. SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE OHIO - 069	DISTRICT; LIBERTY	
SURFACE OWNER: AGNES L. HALL	USGS 7 1/2 QUADRANGLE MAP NAME BETHANY, WV	API # 047-069-00354	

Location: Ohio County, WV
Field: Ohio
Facility: Dallas Hall OHI Pad

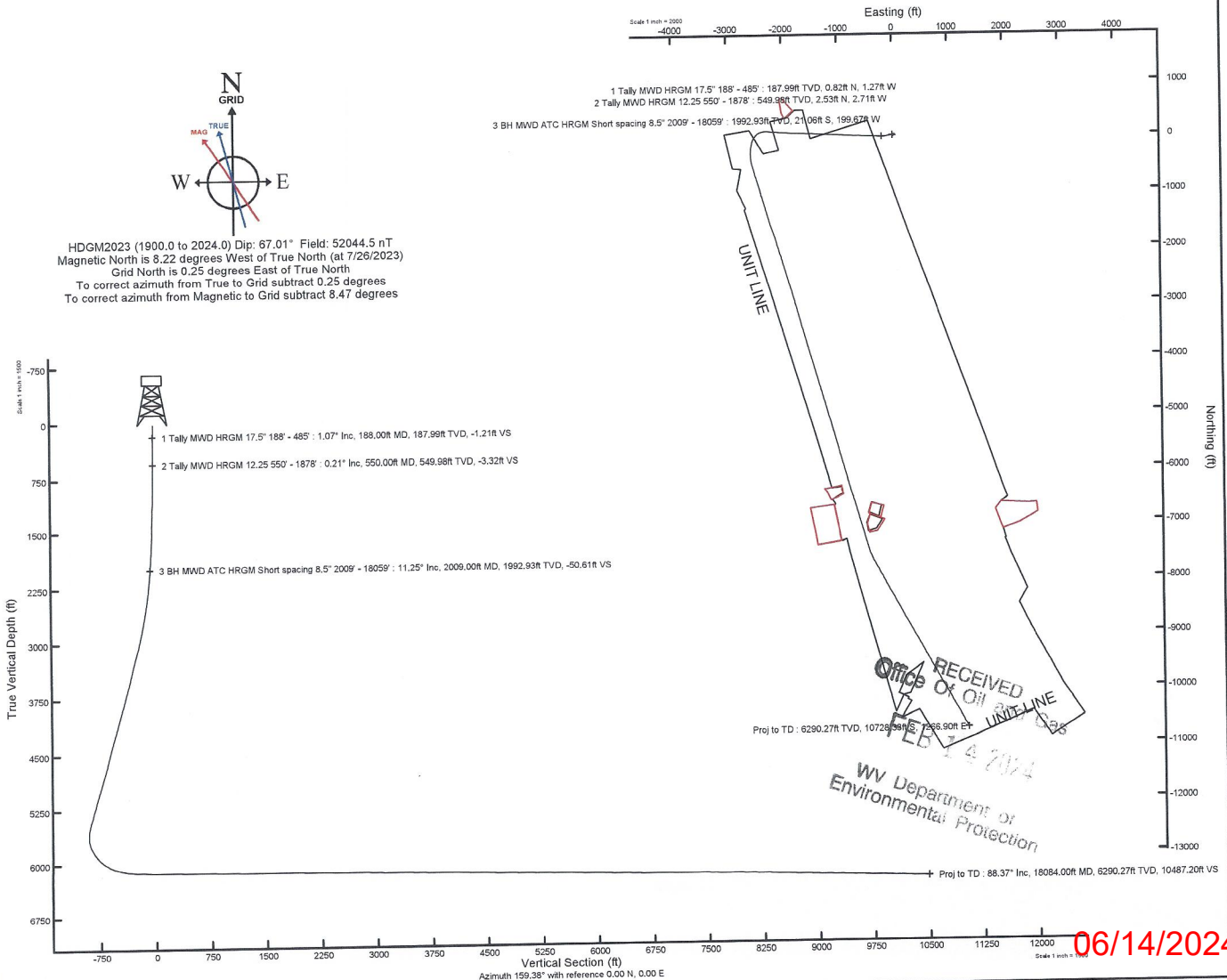
Slot: 406H
Well: Dallas Hall OHI 406H
Wellbore: Dallas Hall OHI 406H AWB

Plot reference wellpath is Dallas Hall OHI 406H awp Proj: 18084'
Grid System: NAD83 / UTM Zone 17 North, US feet
True vertical depths are referenced to SDC 41 (KB)
Reference wellpath measured depths are referenced to SDC 41 (KB)
SDC 41 (KB) to Mean Sea Level: 1300.6 feet
Mean Sea Level to Ground level (At Slot: 406H): -1274.6 feet
Offset wellpath MDs are referenced to each path's default MD datum

Location Information						
Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Dallas Hall OHI Pad		1748601.815	14575539.433	40°08'0.1760"N	80°36'46.5880"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
406H	-27.25	-14.31	1748587.510	14575512.190	40°07'59.9073"N	80°36'46.7738"W
SDC 41 (KB) to Ground level (At Slot: 406H)					26ft	
Mean Sea Level to Ground level (At Slot: 406H)					-1274.6ft	
SDC 41 (KB) to Mean Sea Level					1300.6ft	

Bottom Hole Location									
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
18084.00	88.370	150.370	6290.27	-10728.33	1266.90	1749853.92	14564788.02	40°06'13.8349"N	80°36'31.0709"W

API: 47069003540000
BH JOB: 111896979
DURATION: 08.02.2023 to 08.07.2023
RIG: SDC 41



REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

REPORT SETUP INFORMATION

Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Tranlam
Scale	0.999613	Report Generated	8/14/2023 at 12:59:45 PM
Convergence at slot	0.25° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-27.25	-14.31	1748587.51	14575512.19	40°07'59.9073"N	80°36'46.7738"W
Facility Reference Pt			1748601.82	14575539.43	40°08'0.1760"N	80°36'46.5880"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.4780"W

WELLPATH DATUM

Calculation method	Minimum curvature	SDC 41 (KB) to Facility Vertical Datum	1300.60ft
Horizontal Reference Pt	Slot	SDC 41 (KB) to Mean Sea Level	1300.60ft
Vertical Reference Pt	SDC 41 (KB)	SDC 41 (KB) to Ground Level at Slot (406H)	26.00ft
MD Reference Pt	SDC 41 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	159.38°

RECEIVED
 Office of Oil and Gas
 Department of
 Environmental Protection
 8/14/2023

REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

WELLPATH DATA (201 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
0.00†	0.000	302.610	0.00	0.00	0.00	0.00	1748587.51	14575512.19	40°07'59.9073"N	80°36'46.7738"W	0.00	0.000	0.00
26.00	0.000	302.610	26.00	0.00	0.00	0.00	1748587.51	14575512.19	40°07'59.9073"N	80°36'46.7738"W	0.00	0.000	0.00
188.00	1.070	302.610	187.99	-1.21	0.82	-1.27	1748586.24	14575513.00	40°07'59.9154"N	80°36'46.7901"W	1.51	302.610	0.66
233.00	0.850	300.540	232.98	-1.81	1.21	-1.92	1748585.60	14575513.40	40°07'59.9193"N	80°36'46.7984"W	2.27	302.305	0.49
323.00	0.320	323.760	322.98	-2.57	1.75	-2.64	1748584.87	14575513.94	40°07'59.9247"N	80°36'46.8077"W	3.17	303.596	0.63
415.00	0.090	35.060	414.98	-2.86	2.02	-2.75	1748584.76	14575514.21	40°07'59.9274"N	80°36'46.8091"W	3.41	306.297	0.33
485.00	0.310	9.650	484.98	-3.05	2.25	-2.69	1748584.82	14575514.44	40°07'59.9297"N	80°36'46.8082"W	3.50	309.965	0.33
550.00	0.210	335.940	549.98	-3.32	2.53	-2.71	1748584.81	14575514.72	40°07'59.9324"N	80°36'46.8085"W	3.71	313.120	0.27
595.00	0.410	271.530	594.98	-3.47	2.61	-2.90	1748584.61	14575514.80	40°07'59.9332"N	80°36'46.8110"W	3.90	312.021	0.82
685.00	1.800	257.090	684.96	-3.78	2.31	-4.60	1748582.91	14575514.49	40°07'59.9303"N	80°36'46.8329"W	5.15	296.624	1.56
776.00	3.320	260.480	775.86	-4.48	1.55	-8.59	1748578.92	14575513.74	40°07'59.9230"N	80°36'46.8843"W	8.73	280.230	1.68
867.00	4.980	262.680	866.62	-5.89	0.61	-15.11	1748572.41	14575512.80	40°07'59.9140"N	80°36'46.9683"W	15.12	272.317	1.83
957.00	6.750	262.770	956.15	-8.02	-0.55	-24.23	1748563.29	14575511.64	40°07'59.9029"N	80°36'47.0858"W	24.24	268.695	1.97
1049.00	8.630	263.550	1047.32	-10.96	-2.01	-36.45	1748551.07	14575510.18	40°07'59.8890"N	80°36'47.2432"W	36.51	266.847	2.05
1141.00	10.020	263.770	1138.10	-14.64	-3.65	-51.27	1748536.26	14575508.54	40°07'59.8734"N	80°36'47.4341"W	51.40	265.926	1.51
1231.00	10.900	261.200	1226.60	-18.33	-5.80	-67.46	1748520.07	14575506.39	40°07'59.8528"N	80°36'47.6427"W	67.71	265.083	1.11
1322.00	10.780	259.230	1315.98	-21.54	-8.71	-84.33	1748503.22	14575503.48	40°07'59.8249"N	80°36'47.8599"W	84.77	264.103	0.43
1412.00	10.540	256.960	1404.43	-24.07	-12.14	-100.61	1748486.94	14575500.05	40°07'59.7917"N	80°36'48.0698"W	101.34	263.120	0.54
1502.00	10.100	256.810	1492.97	-26.18	-15.80	-116.32	1748471.24	14575496.40	40°07'59.7562"N	80°36'48.2722"W	117.38	262.265	0.49
1593.00	9.500	258.810	1582.64	-28.44	-19.08	-131.45	1748456.11	14575493.12	40°07'59.7244"N	80°36'48.4672"W	132.83	261.743	0.76
1686.00	8.690	262.840	1674.47	-31.33	-21.44	-145.95	1748441.61	14575490.76	40°07'59.7017"N	80°36'48.6541"W	147.52	261.643	1.11
1779.00	8.790	268.750	1766.40	-35.32	-22.47	-160.03	1748427.54	14575489.73	40°07'59.6921"N	80°36'48.8353"W	161.60	262.006	0.97
1869.00	9.540	272.900	1855.25	-40.58	-22.24	-174.35	1748413.23	14575489.95	40°07'59.6950"N	80°36'49.0197"W	175.76	262.729	1.11
1878.00	9.720	272.980	1864.12	-41.18	-22.17	-175.85	1748411.72	14575490.03	40°07'59.6958"N	80°36'49.0391"W	177.25	262.815	2.01
2009.00	11.250	272.410	1992.93	-50.61	-21.06	-199.67	1748387.92	14575491.14	40°07'59.7078"N	80°36'49.3456"W	200.77	263.980	1.17
2098.00	11.230	272.260	2080.22	-57.38	-20.35	-217.00	1748370.59	14575491.85	40°07'59.7155"N	80°36'49.5687"W	217.95	264.643	0.04
2188.00	12.840	271.990	2168.24	-64.63	-19.66	-235.75	1748351.85	14575492.54	40°07'59.7232"N	80°36'49.8101"W	236.57	265.234	1.79
2279.00	15.360	272.630	2256.49	-73.27	-18.75	-257.90	1748329.71	14575493.45	40°07'59.7331"N	80°36'50.0952"W	258.58	265.841	2.77
2370.00	17.580	272.150	2343.75	-83.35	-17.68	-283.68	1748303.94	14575494.51	40°07'59.7447"N	80°36'50.4270"W	284.23	266.433	2.44
2461.00	19.560	272.210	2430.01	-94.58	-16.58	-312.63	1748275.00	14575495.62	40°07'59.7569"N	80°36'50.7997"W	313.07	266.964	2.18

REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

WELLPATH DATA (201 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
2552.00	21.750	272.850	2515.16	-107.21	-15.15	-344.70	1748242.94	14575497.04	40°07'59.7724"N	80°36'51.2125"W	345.03	267.483	2.42
2643.00	23.500	272.690	2599.15	-121.11	-13.46	-379.67	1748207.99	14575498.73	40°07'59.7906"N	80°36'51.6626"W	379.90	267.969	1.92
2734.00	25.430	272.570	2681.98	-135.98	-11.74	-417.31	1748170.36	14575500.46	40°07'59.8092"N	80°36'52.1471"W	417.48	268.389	2.12
2826.00	26.460	272.800	2764.70	-151.90	-9.85	-457.52	1748130.17	14575502.34	40°07'59.8296"N	80°36'52.6647"W	457.62	268.767	1.12
2917.00	28.010	272.050	2845.61	-168.20	-8.09	-499.12	1748088.58	14575504.10	40°07'59.8487"N	80°36'53.2002"W	499.19	269.071	1.74
3007.00	30.200	272.250	2924.24	-185.14	-6.45	-542.87	1748044.86	14575505.74	40°07'59.8669"N	80°36'53.7633"W	542.90	269.319	2.44
3098.00	31.710	271.560	3002.28	-203.07	-4.90	-589.65	1747998.09	14575507.29	40°07'59.8842"N	80°36'54.3655"W	589.67	269.524	1.70
3191.00	33.740	271.710	3080.51	-222.11	-3.46	-639.90	1747947.86	14575508.73	40°07'59.9005"N	80°36'55.0124"W	639.91	269.690	2.18
3282.00	35.190	272.920	3155.54	-242.19	-1.37	-691.35	1747896.43	14575510.82	40°07'59.9234"N	80°36'55.6747"W	691.35	269.886	1.76
3373.00	35.080	273.230	3229.96	-263.23	1.44	-743.65	1747844.15	14575513.63	40°07'59.9534"N	80°36'56.3478"W	743.65	270.111	0.23
3464.00	32.670	273.740	3305.51	-283.94	4.51	-794.27	1747793.55	14575516.70	40°07'59.9859"N	80°36'56.9994"W	794.28	270.325	2.67
3555.00	30.270	273.990	3383.12	-303.62	7.71	-841.66	1747746.17	14575519.90	40°08'0.0196"N	80°36'57.6094"W	841.70	270.525	2.64
3646.00	29.540	274.020	3462.00	-322.53	10.88	-886.92	1747700.93	14575523.06	40°08'0.0528"N	80°36'58.1919"W	886.99	270.703	0.80
3737.00	32.210	273.770	3540.10	-341.90	14.05	-933.51	1747654.36	14575526.23	40°08'0.0861"N	80°36'58.7915"W	933.62	270.862	2.94
3828.00	34.460	273.290	3616.12	-362.35	17.12	-983.42	1747604.47	14575529.30	40°08'0.1186"N	80°36'59.4339"W	983.57	270.997	2.49
3920.00	35.750	272.870	3691.38	-383.61	19.96	-1036.25	1747551.66	14575532.14	40°08'0.1489"N	80°37'0.1139"W	1036.44	271.103	1.43
4011.00	33.460	272.950	3766.28	-404.24	22.58	-1087.86	1747500.07	14575534.76	40°08'0.1770"N	80°37'0.7783"W	1088.09	271.189	2.52
4102.00	36.110	273.030	3841.01	-425.04	25.29	-1139.70	1747448.25	14575537.47	40°08'0.2060"N	80°37'1.4455"W	1139.98	271.271	2.91
4193.00	35.850	273.470	3914.65	-446.67	28.32	-1193.07	1747394.90	14575540.50	40°08'0.2382"N	80°37'2.1326"W	1193.41	271.360	0.40
4285.00	36.130	272.720	3989.09	-468.41	31.24	-1247.06	1747340.94	14575543.42	40°08'0.2693"N	80°37'2.8274"W	1247.45	271.435	0.57
4376.00	35.710	272.840	4062.78	-489.61	33.83	-1300.38	1747287.63	14575546.00	40°08'0.2972"N	80°37'3.5138"W	1300.82	271.490	0.47
4467.00	35.690	273.540	4136.68	-511.05	36.78	-1353.40	1747234.64	14575548.96	40°08'0.3286"N	80°37'4.1962"W	1353.90	271.557	0.45
4559.00	36.420	273.420	4211.06	-533.16	40.07	-1407.45	1747180.61	14575552.24	40°08'0.3634"N	80°37'4.8919"W	1408.02	271.631	0.80
4650.00	35.990	272.870	4284.49	-554.82	43.02	-1461.12	1747126.96	14575555.19	40°08'0.3948"N	80°37'5.5827"W	1461.75	271.686	0.59
4742.00	35.450	272.040	4359.18	-575.88	45.32	-1514.78	1747073.32	14575557.49	40°08'0.4199"N	80°37'6.2734"W	1515.46	271.714	0.79
4833.00	35.300	272.050	4433.38	-596.18	47.20	-1567.43	1747020.69	14575559.37	40°08'0.4407"N	80°37'6.9512"W	1568.14	271.725	0.16
4925.00	34.640	271.470	4508.77	-616.25	48.82	-1620.13	1746968.01	14575560.99	40°08'0.4590"N	80°37'7.6296"W	1620.87	271.726	0.80
5016.00	33.540	272.450	4584.13	-635.83	50.56	-1671.10	1746917.05	14575562.73	40°08'0.4783"N	80°37'8.2858"W	1671.87	271.733	1.35
5108.00	33.630	272.320	4660.78	-655.72	52.68	-1721.95	1746866.23	14575564.85	40°08'0.5014"N	80°37'8.9403"W	1722.76	271.752	0.13
5199.00	36.300	272.630	4735.34	-676.18	54.94	-1774.05	1746814.15	14575567.10	40°08'0.5259"N	80°37'9.6109"W	1774.90	271.774	2.94

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

WELLPATH DATA (201 stations)													
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
5291.00	36.350	272.370	4809.47	-697.58	57.31	-1828.49	1746759.73	14575569.48	40°08'0.5517"N	80°37'10.3117"W	1829.39	271.795	0.18
5383.00	36.500	274.150	4883.49	-719.69	60.42	-1883.03	1746705.21	14575572.59	40°08'0.5847"N	80°37'11.0137"W	1884.00	271.838	1.16
5476.00	35.950	274.640	4958.52	-742.93	64.63	-1937.82	1746650.44	14575576.80	40°08'0.6286"N	80°37'11.7189"W	1938.90	271.910	0.67
5567.00	35.900	274.350	5032.21	-765.59	68.82	-1991.05	1746597.23	14575580.98	40°08'0.6722"N	80°37'12.4040"W	1992.24	271.979	0.19
5659.00	32.490	274.960	5108.29	-787.65	73.00	-2042.58	1746545.72	14575585.16	40°08'0.7157"N	80°37'13.0671"W	2043.88	272.047	3.73
5751.00	33.880	274.680	5185.29	-809.28	77.23	-2092.76	1746495.57	14575589.39	40°08'0.7596"N	80°37'13.7129"W	2094.18	272.113	1.52
5843.00	36.040	273.160	5260.68	-831.16	80.81	-2145.34	1746443.00	14575592.97	40°08'0.7973"N	80°37'14.3898"W	2146.86	272.157	2.53
5934.00	34.790	274.600	5334.85	-853.01	84.37	-2197.95	1746390.41	14575596.53	40°08'0.8346"N	80°37'15.0669"W	2199.57	272.198	1.65
6026.00	35.920	273.990	5409.88	-875.44	88.35	-2251.04	1746337.35	14575600.51	40°08'0.8762"N	80°37'15.7501"W	2252.77	272.248	1.29
6117.00	33.010	270.950	5484.90	-895.67	90.62	-2302.46	1746285.94	14575602.78	40°08'0.9008"N	80°37'16.4121"W	2304.25	272.254	3.71
6209.00	34.410	257.090	5561.55	-908.39	85.22	-2352.94	1746235.49	14575597.38	40°08'0.8496"N	80°37'17.0622"W	2354.48	272.074	8.48
6300.00	34.700	245.590	5636.57	-910.13	68.75	-2401.64	1746186.80	14575580.92	40°08'0.6889"N	80°37'17.6901"W	2402.62	271.640	7.17
6392.00	37.200	231.330	5711.18	-899.76	40.50	-2447.29	1746141.17	14575552.67	40°08'0.4116"N	80°37'18.2794"W	2447.62	270.948	9.48
6483.00	39.780	217.940	5782.52	-876.01	0.27	-2486.74	1746101.74	14575512.46	40°08'0.0158"N	80°37'18.7895"W	2486.74	270.006	9.57
6575.00	44.080	207.250	5851.04	-839.12	-51.48	-2519.55	1746068.94	14575460.73	40°07'59.5057"N	80°37'19.2147"W	2520.07	268.830	9.05
6666.00	48.970	196.780	5913.72	-790.52	-112.61	-2544.00	1746044.50	14575399.63	40°07'58.9027"N	80°37'19.5329"W	2546.49	267.466	9.92
6758.00	54.740	189.590	5970.57	-730.40	-182.98	-2560.30	1746028.20	14575329.28	40°07'58.2079"N	80°37'19.7467"W	2566.83	265.912	8.78
6849.00	62.560	184.790	6017.90	-661.68	-260.01	-2569.88	1746018.63	14575252.28	40°07'57.4471"N	80°37'19.8742"W	2583.00	264.223	9.70
6940.00	69.010	178.190	6055.24	-584.84	-342.87	-2571.92	1746016.59	14575169.45	40°07'56.6284"N	80°37'19.9049"W	2594.67	262.406	9.69
7032.00	76.110	171.170	6082.82	-500.27	-430.13	-2563.69	1746024.82	14575082.22	40°07'55.7657"N	80°37'19.8037"W	2599.52	260.476	10.60
7124.00	81.260	166.500	6100.88	-411.34	-518.58	-2546.20	1746042.30	14574993.82	40°07'54.8910"N	80°37'19.5834"W	2598.47	258.488	7.49
7215.00	85.750	163.780	6111.17	-321.41	-605.93	-2523.01	1746065.48	14574906.49	40°07'54.0267"N	80°37'19.2897"W	2594.75	256.495	5.76
7307.00	88.250	163.010	6115.99	-229.77	-693.97	-2496.75	1746091.73	14574818.49	40°07'53.1557"N	80°37'18.9565"W	2591.40	254.467	2.84
7398.00	88.120	163.540	6118.87	-139.02	-781.08	-2470.58	1746117.89	14574731.42	40°07'52.2938"N	80°37'18.6243"W	2591.11	252.456	0.60
7490.00	88.150	162.560	6121.86	-47.26	-869.03	-2443.77	1746144.69	14574643.50	40°07'51.4235"N	80°37'18.2840"W	2593.69	250.424	1.07
7581.00	89.380	163.180	6123.82	43.55	-955.97	-2416.98	1746171.47	14574556.59	40°07'50.5632"N	80°37'17.9438"W	2599.17	248.420	1.51
7673.00	89.910	163.260	6124.39	135.34	-1044.05	-2390.42	1746198.02	14574468.54	40°07'49.6917"N	80°37'17.6067"W	2608.47	246.406	0.58
7764.00	89.320	163.240	6125.00	226.13	-1131.19	-2364.19	1746224.24	14574381.44	40°07'48.8295"N	80°37'17.2738"W	2620.88	244.430	0.65
7856.00	89.450	163.940	6125.99	317.87	-1219.44	-2338.20	1746250.22	14574293.23	40°07'47.9563"N	80°37'16.9441"W	2637.09	242.457	0.77
7947.00	89.080	162.910	6127.16	408.64	-1306.65	-2312.25	1746276.16	14574206.05	40°07'47.0934"N	80°37'16.6147"W	2655.90	240.529	1.20

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

WELLPATH DATA (201 stations)													
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
8039.00	90.250	164.250	6127.70	500.39	-1394.89	-2286.24	1746302.16	14574117.84	40°07'46.2203"N	80°37'16.2847"W	2678.17	238.612	1.93
8130.00	89.540	162.690	6127.86	591.15	-1482.13	-2260.35	1746328.04	14574030.64	40°07'45.3572"N	80°37'15.9562"W	2702.94	236.747	1.88
8222.00	90.220	164.400	6128.06	682.90	-1570.35	-2234.29	1746354.09	14573942.45	40°07'44.4842"N	80°37'15.6256"W	2730.95	234.899	2.00
8314.00	89.480	159.970	6128.30	774.77	-1657.92	-2206.15	1746382.21	14573854.92	40°07'43.6177"N	80°37'15.2681"W	2759.67	233.075	4.88
8405.00	88.620	158.790	6129.81	865.75	-1743.08	-2174.11	1746414.24	14573769.79	40°07'42.7748"N	80°37'14.8603"W	2786.59	231.279	1.60
8497.00	89.080	164.650	6131.65	957.62	-1830.38	-2145.27	1746443.07	14573682.52	40°07'41.9109"N	80°37'14.4938"W	2820.01	229.529	6.39
8588.00	89.320	163.820	6132.92	1048.28	-1917.94	-2120.55	1746467.78	14573594.99	40°07'41.0445"N	80°37'14.1804"W	2859.24	227.872	0.95
8680.00	89.350	163.210	6133.99	1140.04	-2006.16	-2094.45	1746493.88	14573506.81	40°07'40.1717"N	80°37'13.8492"W	2900.24	226.233	0.66
8771.00	89.690	162.620	6134.76	1230.86	-2093.14	-2067.71	1746520.60	14573419.87	40°07'39.3110"N	80°37'13.5098"W	2942.22	224.650	0.75
8863.00	89.510	162.740	6135.40	1322.71	-2180.96	-2040.32	1746547.98	14573332.07	40°07'38.4419"N	80°37'13.1621"W	2986.56	223.092	0.24
8955.00	89.850	164.530	6135.91	1414.45	-2269.23	-2014.40	1746573.89	14573243.84	40°07'37.5686"N	80°37'12.8332"W	3034.34	221.596	1.98
9046.00	89.630	163.960	6136.32	1505.12	-2356.81	-1989.70	1746598.59	14573156.30	40°07'36.7021"N	80°37'12.5200"W	3084.39	220.172	0.67
9138.00	90.090	164.340	6136.55	1596.80	-2445.31	-1964.57	1746623.70	14573067.83	40°07'35.8264"N	80°37'12.2014"W	3136.73	218.778	0.65
9229.00	89.600	163.800	6136.80	1687.49	-2532.82	-1939.59	1746648.67	14572980.36	40°07'34.9607"N	80°37'11.8847"W	3190.17	217.444	0.80
9320.00	89.820	163.590	6137.26	1778.23	-2620.16	-1914.05	1746674.21	14572893.05	40°07'34.0965"N	80°37'11.5606"W	3244.81	216.148	0.33
9412.00	89.690	163.930	6137.65	1869.96	-2708.48	-1888.32	1746699.93	14572804.76	40°07'33.2226"N	80°37'11.2342"W	3301.76	214.884	0.40
9503.00	89.380	163.160	6138.39	1960.72	-2795.75	-1862.54	1746725.69	14572717.52	40°07'32.3591"N	80°37'10.9072"W	3359.36	213.672	0.91
9595.00	89.200	163.580	6139.53	2052.49	-2883.90	-1836.21	1746752.01	14572629.41	40°07'31.4869"N	80°37'10.5732"W	3418.85	212.485	0.50
9686.00	89.690	164.040	6140.41	2143.21	-2971.28	-1810.84	1746777.37	14572542.06	40°07'30.6223"N	80°37'10.2514"W	3479.61	211.360	0.74
9778.00	90.060	163.640	6140.61	2234.93	-3059.65	-1785.24	1746802.97	14572453.73	40°07'29.7480"N	80°37'9.9266"W	3542.39	210.263	0.59
9869.00	89.600	164.990	6140.88	2325.59	-3147.26	-1760.64	1746827.56	14572366.16	40°07'28.8812"N	80°37'9.6148"W	3606.25	209.223	1.57
9960.00	89.380	163.880	6141.69	2416.23	-3234.92	-1736.22	1746851.97	14572278.53	40°07'28.0139"N	80°37'9.3053"W	3671.39	208.223	1.24
10052.00	89.420	164.810	6142.65	2507.88	-3323.50	-1711.40	1746876.78	14572189.99	40°07'27.1375"N	80°37'8.9906"W	3738.25	207.246	1.01
10144.00	89.450	165.440	6143.56	2599.42	-3412.41	-1687.78	1746900.39	14572101.11	40°07'26.2579"N	80°37'8.6915"W	3806.98	206.317	0.69
10235.00	90.030	162.860	6143.97	2690.09	-3499.94	-1662.93	1746925.23	14572013.61	40°07'25.3918"N	80°37'8.3764"W	3874.91	205.414	2.91
10327.00	89.230	163.880	6144.57	2781.86	-3588.09	-1636.60	1746951.55	14571925.50	40°07'24.5196"N	80°37'8.0424"W	3943.71	204.519	1.41
10418.00	89.110	164.300	6145.89	2872.55	-3675.59	-1611.66	1746976.48	14571838.03	40°07'23.6539"N	80°37'7.7261"W	4013.40	203.676	0.48
10510.00	89.140	164.040	6147.29	2964.22	-3764.09	-1586.56	1747001.56	14571749.56	40°07'22.7782"N	80°37'7.4080"W	4084.80	202.855	0.28
10601.00	89.200	164.270	6148.61	3054.89	-3851.63	-1561.72	1747026.40	14571662.06	40°07'21.9122"N	80°37'7.0930"W	4156.20	202.071	0.26
10693.00	89.350	164.050	6149.77	3146.56	-3940.13	-1536.61	1747051.50	14571573.60	40°07'21.0366"N	80°37'6.7747"W	4229.16	201.305	0.29

REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

WELLPATH DATA (201 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
10785.00	89.170	163.730	6150.96	3238.27	-4028.51	-1511.08	1747077.01	14571485.25	40°07'20.1621"N	80°37'6.4510"W	4302.58	200.561	0.40
10876.00	89.170	163.880	6152.28	3328.99	-4115.89	-1485.71	1747102.38	14571397.90	40°07'19.2975"N	80°37'6.1291"W	4375.82	199.848	0.16
10967.00	89.540	163.860	6153.30	3419.70	-4203.30	-1460.43	1747127.65	14571310.53	40°07'18.4327"N	80°37'5.8085"W	4449.78	199.160	0.41
11059.00	89.480	163.470	6154.09	3511.44	-4291.58	-1434.55	1747153.52	14571222.28	40°07'17.5591"N	80°37'5.4803"W	4525.00	198.483	0.43
11150.00	89.080	164.340	6155.23	3602.15	-4379.01	-1409.33	1747178.73	14571134.89	40°07'16.6941"N	80°37'5.1605"W	4600.21	197.840	1.05
11242.00	89.140	164.110	6156.66	3693.81	-4467.53	-1384.32	1747203.73	14571046.40	40°07'15.8183"N	80°37'4.8434"W	4677.09	197.216	0.26
11333.00	89.350	164.270	6157.86	3784.48	-4555.08	-1359.53	1747228.51	14570958.88	40°07'14.9521"N	80°37'4.5292"W	4753.64	196.618	0.29
11425.00	89.260	164.100	6158.98	3876.15	-4643.59	-1334.46	1747253.57	14570870.40	40°07'14.0763"N	80°37'4.2114"W	4831.53	196.033	0.21
11516.00	89.720	163.400	6159.79	3966.88	-4730.95	-1308.99	1747279.03	14570783.08	40°07'13.2119"N	80°37'3.8884"W	4908.70	195.466	0.92
11607.00	89.350	163.990	6160.53	4057.62	-4818.29	-1283.45	1747304.56	14570695.78	40°07'12.3478"N	80°37'3.5644"W	4986.29	194.916	0.77
11699.00	88.950	163.900	6161.89	4149.32	-4906.69	-1258.00	1747329.99	14570607.41	40°07'11.4731"N	80°37'3.2418"W	5065.39	194.380	0.45
11790.00	88.830	163.910	6163.65	4240.02	-4994.11	-1232.78	1747355.21	14570520.02	40°07'10.6082"N	80°37'2.9220"W	5144.01	193.866	0.13
11882.00	89.050	164.100	6165.36	4331.70	-5082.53	-1207.44	1747380.54	14570431.64	40°07'9.7333"N	80°37'2.6006"W	5223.98	193.364	0.32
11973.00	88.860	163.550	6167.02	4422.42	-5169.91	-1182.09	1747405.88	14570344.29	40°07'8.8687"N	80°37'2.2792"W	5303.33	192.879	0.64
12064.00	88.280	163.460	6169.29	4513.15	-5257.14	-1156.26	1747431.70	14570257.09	40°07'8.0056"N	80°37'1.9516"W	5382.79	192.404	0.64
12156.00	88.950	164.030	6171.51	4604.86	-5345.43	-1130.52	1747457.43	14570168.83	40°07'7.1320"N	80°37'1.6251"W	5463.67	191.942	0.96
12247.00	89.260	164.290	6172.93	4695.53	-5432.97	-1105.68	1747482.26	14570081.33	40°07'6.2659"N	80°37'1.3103"W	5544.34	191.503	0.44
12339.00	88.740	164.670	6174.54	4787.15	-5521.60	-1081.07	1747506.86	14569992.74	40°07'5.3890"N	80°37'0.9984"W	5626.44	191.078	0.70
12430.00	89.110	163.790	6176.25	4877.81	-5609.16	-1056.34	1747531.58	14569905.21	40°07'4.5227"N	80°37'0.6849"W	5707.76	190.665	1.05
12521.00	88.800	162.830	6177.90	4968.58	-5696.31	-1030.21	1747557.70	14569818.09	40°07'3.6604"N	80°37'0.3534"W	5788.72	190.251	1.11
12613.00	88.710	162.300	6179.90	5060.41	-5784.06	-1002.65	1747585.25	14569730.38	40°07'2.7920"N	80°37'0.0036"W	5870.32	189.834	0.58
12704.00	88.950	162.810	6181.76	5151.25	-5870.86	-975.38	1747612.51	14569643.61	40°07'1.9332"N	80°36'59.6573"W	5951.33	189.433	0.62
12887.00	89.780	165.100	6183.79	5333.65	-6046.70	-924.80	1747663.07	14569467.84	40°07'0.1933"N	80°36'59.0161"W	6117.02	188.696	1.33
12979.00	89.170	164.080	6184.63	5425.26	-6135.39	-900.36	1747687.50	14569379.18	40°06'59.3158"N	80°36'58.7064"W	6201.10	188.348	1.29
13070.00	89.290	164.180	6185.86	5515.94	-6222.92	-875.48	1747712.37	14569291.69	40°06'58.4498"N	80°36'58.3910"W	6284.20	188.008	0.17
13162.00	88.680	164.580	6187.49	5607.57	-6311.50	-850.71	1747737.13	14569203.14	40°06'57.5734"N	80°36'58.0772"W	6368.58	187.676	0.79
13253.00	88.680	162.960	6189.58	5698.28	-6398.85	-825.28	1747762.55	14569115.83	40°06'56.7091"N	80°36'57.7547"W	6451.85	187.349	1.78
13345.00	88.770	164.060	6191.63	5790.02	-6487.04	-799.18	1747788.65	14569027.67	40°06'55.8365"N	80°36'57.4236"W	6536.09	187.023	1.20
13437.00	88.920	163.660	6193.48	5881.72	-6575.40	-773.61	1747814.20	14568939.35	40°06'54.9622"N	80°36'57.0994"W	6620.75	186.710	0.46
13528.00	89.290	164.210	6194.91	5972.42	-6662.83	-748.43	1747839.37	14568851.95	40°06'54.0971"N	80°36'56.7802"W	6704.74	186.409	0.73

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

WELLPATH DATA (201 stations)													
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]
13620.00	88.890	164.430	6196.37	6064.06	-6751.40	-723.57	1747864.23	14568763.41	40°06'53.2209"N	80°36'56.4651"W	6790.06	186.117	0.50
13711.00	88.710	164.160	6198.27	6154.71	-6838.98	-698.94	1747888.84	14568675.87	40°06'52.3543"N	80°36'56.1530"W	6874.61	185.835	0.36
13803.00	88.860	164.450	6200.22	6246.35	-6927.53	-674.06	1747913.71	14568587.35	40°06'51.4782"N	80°36'55.8377"W	6960.25	185.557	0.35
13894.00	88.770	163.780	6202.10	6337.02	-7015.04	-649.16	1747938.61	14568499.88	40°06'50.6124"N	80°36'55.5221"W	7045.01	185.287	0.74
13986.00	89.110	164.060	6203.81	6428.71	-7103.42	-623.68	1747964.07	14568411.53	40°06'49.7379"N	80°36'55.1991"W	7130.75	185.018	0.48
14077.00	88.890	163.970	6205.40	6519.40	-7190.89	-598.62	1747989.12	14568324.09	40°06'48.8725"N	80°36'54.8814"W	7215.76	184.759	0.26
14169.00	88.770	163.980	6207.27	6611.09	-7279.30	-573.23	1748014.50	14568235.72	40°06'47.9977"N	80°36'54.5595"W	7301.83	184.503	0.13
14260.00	89.820	160.520	6208.39	6701.95	-7365.94	-545.49	1748042.23	14568149.11	40°06'47.1403"N	80°36'54.2074"W	7386.12	184.235	3.97
14352.00	89.260	161.530	6209.13	6793.91	-7452.94	-515.58	1748072.13	14568062.15	40°06'46.2793"N	80°36'53.8272"W	7470.75	183.957	1.26
14443.00	89.720	159.040	6209.94	6884.89	-7538.60	-484.89	1748102.81	14567976.52	40°06'45.4315"N	80°36'53.4369"W	7554.17	183.680	2.78
14535.00	89.110	155.290	6210.88	6976.80	-7623.37	-449.19	1748138.49	14567891.79	40°06'44.5923"N	80°36'52.9822"W	7636.59	183.372	4.13
14626.00	89.780	151.580	6211.76	7067.29	-7704.74	-408.50	1748179.16	14567810.44	40°06'43.7864"N	80°36'52.4631"W	7715.56	183.035	4.14
14718.00	89.260	151.940	6212.53	7158.47	-7785.79	-364.97	1748222.68	14567729.43	40°06'42.9837"N	80°36'51.9074"W	7794.34	182.684	0.69
14810.00	89.630	151.150	6213.43	7249.61	-7866.67	-321.14	1748266.49	14567648.58	40°06'42.1825"N	80°36'51.3478"W	7873.22	182.338	0.95
14901.00	89.260	151.410	6214.31	7339.69	-7946.47	-277.42	1748310.20	14567568.81	40°06'41.3920"N	80°36'50.7894"W	7951.31	181.999	0.50
14992.00	89.420	152.620	6215.36	7429.94	-8026.82	-234.72	1748352.88	14567488.49	40°06'40.5962"N	80°36'50.2444"W	8030.25	181.675	1.34
15084.00	88.920	151.830	6216.69	7521.21	-8108.21	-191.85	1748395.73	14567407.13	40°06'39.7900"N	80°36'49.6972"W	8110.48	181.355	1.02
15176.00	88.800	151.680	6218.52	7612.38	-8189.24	-148.32	1748439.25	14567326.13	40°06'38.9874"N	80°36'49.1415"W	8190.59	181.038	0.21
15267.00	88.710	149.130	6220.50	7702.23	-8268.34	-103.39	1748484.16	14567247.06	40°06'38.2038"N	80°36'48.5677"W	8268.99	180.716	2.80
15359.00	89.260	151.670	6222.13	7793.09	-8348.32	-57.96	1748529.57	14567167.12	40°06'37.4115"N	80°36'47.9875"W	8348.52	180.398	2.82
15450.00	89.450	151.390	6223.15	7883.23	-8428.31	-14.59	1748572.93	14567087.16	40°06'36.6192"N	80°36'47.4337"W	8428.32	180.099	0.37
15542.00	89.600	151.380	6223.91	7974.33	-8509.07	29.47	1748616.97	14567006.43	40°06'35.8192"N	80°36'46.8711"W	8509.12	179.802	0.16
15633.00	89.140	151.380	6224.91	8064.44	-8588.95	73.06	1748660.54	14566926.58	40°06'35.0280"N	80°36'46.3147"W	8589.26	179.513	0.51
15725.00	88.950	151.740	6226.45	8155.57	-8669.83	116.87	1748704.33	14566845.73	40°06'34.2268"N	80°36'45.7554"W	8670.62	179.228	0.44
15816.00	88.580	151.720	6228.41	8245.74	-8749.96	159.96	1748747.40	14566765.63	40°06'33.4331"N	80°36'45.2053"W	8751.42	178.953	0.41
15908.00	88.180	151.020	6231.01	8336.80	-8830.68	204.02	1748791.45	14566684.95	40°06'32.6336"N	80°36'44.6427"W	8833.03	178.676	0.88
15999.00	87.940	150.690	6234.09	8426.75	-8910.11	248.31	1748835.73	14566605.54	40°06'31.8467"N	80°36'44.0771"W	8913.57	178.404	0.45
16090.00	88.490	151.520	6236.92	8516.75	-8989.74	292.26	1748879.66	14566525.94	40°06'31.0579"N	80°36'43.5160"W	8994.49	178.138	1.09
16182.00	88.580	151.040	6239.28	8607.81	-9070.40	336.46	1748923.84	14566445.32	40°06'30.2590"N	80°36'42.9517"W	9076.63	177.876	0.53
16274.00	88.310	151.560	6241.77	8698.86	-9151.06	380.62	1748967.98	14566364.68	40°06'29.4599"N	80°36'42.3879"W	9158.98	177.618	0.64

Actual Wellpath Report

Dallas Hall OHI 406H awp Proj: 18084'

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REFERENCE WELLPATH IDENTIFICATION

Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

WELLPATH DATA (201 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]
16365.00	88.520	151.300	6244.29	8788.95	-9230.95	424.12	1749011.47	14566284.83	40°06'28.6686"N	80°36'41.8325"W	9240.69	177.369	0.37
16456.00	88.980	151.510	6246.28	8879.05	-9310.83	467.67	1749055.00	14566204.98	40°06'27.8773"N	80°36'41.2766"W	9322.57	177.125	0.56
16548.00	88.490	152.180	6248.31	8970.23	-9391.93	511.07	1749098.38	14566123.91	40°06'27.0740"N	80°36'40.7226"W	9405.82	176.885	0.90
16640.00	88.740	151.200	6250.53	9061.38	-9472.90	554.69	1749141.98	14566042.97	40°06'26.2720"N	80°36'40.1658"W	9489.12	176.649	1.10
16731.00	88.220	151.040	6252.94	9151.40	-9552.55	598.62	1749185.90	14565963.35	40°06'25.4830"N	80°36'39.6049"W	9571.29	176.414	0.60
16822.00	87.850	148.910	6256.06	9241.12	-9631.29	644.13	1749231.39	14565884.64	40°06'24.7029"N	80°36'39.0237"W	9652.81	176.174	2.37
16914.00	88.890	149.950	6258.68	9331.70	-9710.47	690.90	1749278.14	14565805.49	40°06'23.9184"N	80°36'38.4262"W	9735.02	175.930	1.60
17006.00	88.430	150.130	6260.83	9422.45	-9790.15	736.83	1749324.05	14565725.84	40°06'23.1290"N	80°36'37.8396"W	9817.84	175.696	0.54
17097.00	88.120	150.790	6263.57	9512.31	-9869.29	781.67	1749368.88	14565646.74	40°06'22.3450"N	80°36'37.2669"W	9900.19	175.471	0.80
17189.00	88.460	151.170	6266.32	9603.28	-9949.70	826.28	1749413.47	14565566.36	40°06'21.5485"N	80°36'36.6973"W	9983.95	175.253	0.55
17280.00	88.090	149.810	6269.06	9693.14	-10028.86	871.09	1749458.26	14565487.23	40°06'20.7643"N	80°36'36.1252"W	10066.62	175.036	1.55
17372.00	88.950	150.080	6271.43	9783.87	-10108.46	917.15	1749504.30	14565407.66	40°06'19.9757"N	80°36'35.5369"W	10149.98	174.816	0.98
17464.00	88.860	150.730	6273.19	9874.73	-10188.44	962.57	1749549.71	14565327.71	40°06'19.1833"N	80°36'34.9568"W	10233.81	174.603	0.71
17555.00	88.550	150.960	6275.25	9964.69	-10267.89	1006.89	1749594.01	14565248.29	40°06'18.3962"N	80°36'34.3909"W	10317.14	174.399	0.42
17647.00	88.090	150.240	6277.95	10055.58	-10348.01	1052.04	1749639.14	14565168.20	40°06'17.6026"N	80°36'33.8145"W	10401.35	174.195	0.93
17738.00	88.400	150.810	6280.73	10145.45	-10427.19	1096.79	1749683.88	14565089.05	40°06'16.8181"N	80°36'33.2430"W	10484.72	173.995	0.71
17830.00	88.400	150.590	6283.30	10236.36	-10507.39	1141.80	1749728.86	14565008.88	40°06'16.0236"N	80°36'32.6684"W	10569.25	173.798	0.24
17922.00	88.580	150.910	6285.73	10327.29	-10587.63	1186.74	1749773.78	14564928.67	40°06'15.2287"N	80°36'32.0946"W	10653.94	173.605	0.40
18013.00	88.280	149.910	6288.22	10417.14	-10666.74	1231.65	1749818.68	14564849.60	40°06'14.4451"N	80°36'31.5210"W	10737.61	173.413	1.15
18059.00	88.370	150.370	6289.56	10462.52	-10706.61	1254.55	1749841.57	14564809.74	40°06'14.0500"N	80°36'31.2287"W	10779.86	173.317	1.02
18084.00‡	88.370	150.370	6290.27	10487.20	-10728.33	1266.90	1749853.92	14564788.02	40°06'13.8349"N	80°36'31.0709"W	10802.88	173.265	0.00

REFERENCE WELLPATH IDENTIFICATION			
Operator	SWN PRODUCTION COMPANY, LLC	Well	Dallas Hall OHI 406H
Field	Ohio	API	47069003540000
Facility	Dallas Hall OHI Pad	Wellbore	Dallas Hall OHI 406H AWB
Slot	406H		

HOLE & CASING SECTIONS - Ref Wellbore: Dallas Hall OHI 406H AWB Ref Wellpath: Dallas Hall OHI 406H awp Proj: 18084'									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.375in Casing	26.00	540.00	514.00	26.00	539.98	0.00	0.00	2.50	-2.69
9.625in Casing	26.00	1948.00	1922.00	26.00	1933.03	0.00	0.00	-21.56	-188.15
5.5in Casing	26.00	18084.00	18058.00	26.00	6290.27	0.00	0.00	-10728.33	1266.90

TARGETS									
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
Dallas Hall OHI 406H wp1	6107.00	-7237.00	-586.74	1748001.00	14568278.00	40°06'48.4163"N	80°36'54.7310"W	point	
Dallas Hall OHI 406H LP Rev 3	6108.00	-605.08	-2534.78	1746053.71	14574907.35	40°07'54.0357"N	80°37'19.4412"W	point	
Dallas Hall OHI 406H BHL rev4	6293.00	-10726.36	1273.99	1749861.00	14564790.00	40°06'13.8541"N	80°36'30.9796"W	point	

WELLPATH COMPOSITION - Ref Wellbore: Dallas Hall OHI 406H AWB Ref Wellpath: Dallas Hall OHI 406H awp Proj: 18084'									
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date				
26.00	485.00	OWSG MWD rev2 + HRGM	1 Tally MWD HRGM 17.5" 188' - 485'	Dallas Hall OHI 406H AWB	8/1/2023				
485.00	1878.00	OWSG MWD rev2 + HRGM	2 Tally MWD HRGM 12.25 550' - 1878'	Dallas Hall OHI 406H AWB	8/1/2023				
1878.00	18084.00	BH AutoTrak Curve/Express (2019) (HRGM, Short spacing)	3 BH MWD ATC HRGM Short spacing 8.5" 2009' - 18059'	Dallas Hall OHI 406H AWB	8/1/2023				