



SWN Production Company, LLC
P O Box 12359
Spring, Texas 77391-2359
www.swn.com

Via Federal Express

July 28, 2020

State of West Virginia
Department of Environmental Protection
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: SWN Production Company, LLC
Operator ID: 494512924
Regulatory Filings: WR-34 & WR-35

To Whom It May Concern:

Please find enclosed form WR-34 Discharge Monitoring Report and WR-35 Operator's Report of Well Work along with supporting documentation, for the wells listed below :

API	Well Name
47-069-00316	Edward Dremak OHI 6H
47-069-00317	Edward Dremak OHI 8H
47-069-00318	Edward Dremak OHI 10H
47-069-00320	Edward Dremak OHI 210H
47-069-00319	Edward Dremak OHI 410H

If you have any questions or require additional information, please contact me via email at liz_gee@swn.com or telephone at (832) 796-2873.

Sincerely,

Staff Regulatory Analyst
SW Appalachia Division

/lg
Encl.

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

API 47-069 - 00316 County OHIO District RICHLAND
Quad TILTONSVILLE, OH-WV Pad Name EDWARD DREMAK-OHI-PAD1 Field/Pool Name PANHANDLE FIELD WET
Farm name ANDREW JOHN EVICK Well Number EDWARD DREMAK OHI 6H
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 4,445,433.87 Easting 529,671.06
Landing Point of Curve Northing 4,445,214.24 Easting 529,529.13
Bottom Hole Northing 4,442,399.45 Easting 530,390.94

Elevation (ft) 1087.8' 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) SOBIM AUG 0 4 2020

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Date permit issued 10/10/2019 Date drilling commenced 12/1/2019 Date drilling ceased 12/12/2019
Date completion activities began 3/23/2020 Date completion activities ceased 5/3/2020
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 259' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 750' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 270' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N


Reviewed by: SB 9-10-20

API 47-069 - 00316 Farm name **ANDREW JOHN EVICK** Well number **EDWARD DREMAK OHI 6H**

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24	20	126'	NEW	J-55/94#		Y
Surface	17.5	13.375	364'	NEW	J-55/54.50#	284.7' / 242.5'	Y
Coal							
Intermediate 1	12.25	9.625	1651'	NEW	J-55/36#		Y; 38 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	15,608'	NEW	HCP-110/20#		Y; 15 BBLS
Tubing		2.875	6191'	NEW	P-110/6.50#		N
Packer type and depth set							

Comment Details

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	360	15.60	1.20	432	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	735	15.60	1.20	882	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,685	15.60	1.19	3,195.15	SURFACE	24
Tubing							

Drillers TD (ft) 15,608'

Loggers TD (ft) 15,608'

Deepest formation penetrated MARCELLUS

Plug back to (ft) N/A

Plug back procedure N/A

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Kick off depth (ft) 5,128'

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

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

SURFACE: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING

INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING

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

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS

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

API 47-069 - 00316 Farm name ANDREW JOHN EVICK Well number EDWARD DREMAK OHI 6H

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 Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbis)	Amount of Nitrogen/other (units)
		SEE	ATTACHMENT	2				
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Please insert additional pages as applicable.

API 47- 069 - 00316 Farm name ANDREW JOHN EVICK Well number EDWARD DREMAK OHI 6H

PRODUCING FORMATION(S)

DEPTHS

MARCELLUS 5.758' TVD 5.969' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2,391 psi Bottom Hole psi DURATION OF TEST hrs

OPEN FLOW Gas 6,050 mcfd Oil 1,032 bpd NGL bpd Water 1,512 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	MD	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	MD	TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	NAME TVD	TVD	MD	MD	MD				
	0		0						
	SEE ATTACHMENT		3						
								RECEIVED Office of Oil and Gas AUG 04 2020	

Please insert additional pages as applicable.
 Drilling Contractor SWN DRILLING COMPANY WV Department of Environmental Protection
 Address PO BOX 12359 City SPRING State TX Zip 77391-2359

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

Cementing Company SCHLUMBERGER WELL SERVICES
 Address 110 SCHLUMBERGER DRIVE City SUGAR LAND State TX Zip 77478

Stimulating Company SWN WELL SERVICES
 Address PO BOX 12359 City SPRING State TX Zip 77391

Please insert additional pages as applicable.

Completed by Elizabeth Gee Telephone 832-796-2873
 Signature Elizabeth Gee Title STAFF REGULATORY ANALYST Date 7/28/2020

**EDWARD DREMAK OHI 6H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	3/10/2020	15,520	15,426	36
2	3/25/2020	15,390	15,214	36
3	3/25/2020	15,181	15,005	36
4	3/26/2020	14,972	14,796	36
5	3/26/2020	14,763	14,587	36
6	3/27/2020	14,554	14,382	36
7	3/27/2020	14,345	14,169	36
8	3/27/2020	14,136	13,960	36
9	3/28/2020	13,928	13,751	36
10	3/29/2020	13,719	13,543	36
11	3/29/2020	13,510	13,334	36
12	3/30/2020	13,301	13,125	36
13	3/30/2020	13,096	12,916	36
14	3/31/2020	12,882	12,707	36
15	3/31/2020	12,674	12,498	36
16	4/1/2020	12,465	12,289	36
17	4/1/2020	12,256	12,080	36
18	4/2/2020	12,047	11,873	36
19	4/3/2020	11,838	11,667	36
20	4/3/2020	11,629	11,453	36
21	4/4/2020	11,417	11,244	36
22	4/4/2020	11,212	11,036	36
23	4/4/2020	11,003	10,827	36
24	4/5/2020	10,794	10,618	36
25	4/6/2020	10,585	10,409	36
26	4/7/2020	10,376	10,200	61
27	4/7/2020	10,167	9,991	72
28	4/8/2020	9,958	9,782	36
29	4/8/2020	9,749	9,573	36
30	4/9/2020	9,540	9,368	36
31	4/9/2020	9,331	9,155	36
32	4/9/2020	9,125	8,946	36
33	4/10/2020	8,911	8,737	36
34	4/10/2020	8,705	8,528	36
35	4/10/2020	8,496	8,320	36
36	4/11/2020	8,287	8,111	36
37	4/11/2020	8,078	7,902	36
38	4/11/2020	7,869	7,693	36
39	4/11/2020	7,660	7,482	36
40	4/12/2020	7,451	7,275	36
41	4/12/2020	7,242	7,066	66
42	4/12/2020	7,033	6,857	36
43	4/13/2020	6,824	6,648	36

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EDWARD DREMAK OHI 6H
ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
44	4/13/2020	6,615	6,439	36
45	4/13/2020	6,406	6,230	36
46	4/13/2020	6,198	6,021	36

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**EDWARD DREMAK OHI 6H
ATTACHMENT 2
STIM REPORT**

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	[SIP (PSI)]	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
1	3/24/2020	81	7,990	7,359	3,740	172,720	5,250	0
2	3/25/2020	89	6,996	5,402	4,274	216,240	13,184	0
3	3/25/2020	89	7,187	5,107	4,311	221,680	14,125	0
4	3/26/2020	98	7,335	5,150	4,327	220,680	14,342	0
5	3/26/2020	100	8,160	5,289	4,793	223,180	13,940	0
6	3/27/2020	101	7,607	5,961	4,355	217,740	13,980	0
7	3/27/2020	96	7,800	5,788	4,394	218,360	14,624	0
8	3/28/2020	100	8,205	6,100	4,488	222,440	13,817	0
9	3/29/2020	99	8,278	5,763	4,512	216,160	13,566	0
10	3/29/2020	99	7,739	5,790	4,125	220,500	14,040	0
11	3/30/2020	99	8,319	6,133	4,485	220,360	13,702	0
12	3/30/2020	99	7,672	6,078	4,578	220,800	14,236	0
13	3/31/2020	100	7,827	5,992	4,556	217,020	13,696	0
14	3/31/2020	99	7,821	6,142	4,105	215,380	14,091	0
15	3/31/2020	100	7,714	5,703	4,752	215,940	13,610	0
16	4/1/2020	99	7,910	5,920	4,244	219,000	13,981	0
17	4/1/2020	100	7,611	5,361	4,305	222,960	13,727	0
18	4/2/2020	98	7,937	5,437	4,057	217,860	13,740	0
19	4/3/2020	99	7,903	5,221	4,175	217,100	13,778	0
20	4/3/2020	91	7,936	5,561	4,516	223,960	13,694	0
21	4/4/2020	98	7,781	5,621	4,355	223,100	11,205	0
22	4/4/2020	99	7,862	5,322	4,639	209,500	13,391	0
23	4/5/2020	89	8,245	5,908	4,050	221,600	13,347	0
24	4/6/2020	98	7,998	5,481	4,588	220,970	13,716	0
25	4/5/2020	98	7,485	5,718	4,173	223,240	13,841	0
26	4/7/2020	89	7,614	5,655	4,469	219,620	12,413	0
27	4/7/2020	74	7,792	5,287	4,205	217,880	18,497	0
28	4/8/2020	99	7,431	5,217	4,413	204,100	12,940	0
29	4/8/2020	98	7,749	5,419	4,216	224,520	14,145	0
30	4/9/2020	96	7,783	5,771	4,238	218,360	13,516	0
31	4/9/2020	99	7,819	5,689	4,338	218,360	13,971	0
32	4/10/2020	99	7,552	5,721	4,297	223,640	13,595	0
33	4/10/2020	100	7,613	5,446	4,334	224,440	13,639	0
34	4/10/2020	100	7,688	5,380	4,209	216,040	13,567	0
35	4/10/2020	100	7,385	5,309	4,325	221,080	13,410	0
36	4/11/2020	100	7,530	5,461	4,311	219,640	13,614	0
37	4/11/2020	81	7,158	5,403	4,263	220,040	14,117	0
38	4/11/2020	97	7,591	4,964	4,311	220,040	13,072	0
39	4/12/2020	74	8,066	5,300	4,089	216,760	13,457	0
40	4/12/2020	100	7,227	5,304	4,462	221,480	13,654	0
41	4/12/2020	93	7,282	5,102	4,433	224,420	17,147	0
42	4/13/2020	100	6,472	5,122	4,278	221,140	13,369	0
43	4/13/2020	92	7,812	5,367	4,069	222,580	12,954	0
44	4/13/2020	100	7,090	5,740	4,152	218,160	13,197	0
45	4/13/2020	100	6,942	5,710	4,362	216,110	13,374	0
46	4/13/2020	100	6,462	5,801	4,165	220,380	13,616	0

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LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	259.00	259.00	
Top of Salt Water	750.00	750.00	NA	NA	
Pittsburgh Coal	270.00	270.00	276.00	276.00	
Pottsville (ss)	377.00	377.00	780.00	780.00	
Raven Cliff (ss)	780.00	780.00	1066.00	1066.00	
Maxton (ss)	1066.00	1066.00	1381.00	1377.00	
Big Injun (ss)	1381.00	1377.00	1873.00	1865.00	
Berea (siltstone)	1873.00	1865.00	5310.00	5262.00	
Rhinestreet (shale)	5310.00	5262.00	5570.00	5495.00	
Cashqua (shale)	5570.00	5495.00	5624.00	5540.00	
Middlesex (shale)	5624.00	5540.00	5711.00	5608.00	
Burket (shale)	5711.00	5608.00	5734.00	5625.00	
Tully (ls)	5734.00	5625.00	5809.00	5678.00	
Mahantango (shale)	5809.00	5678.00	5969.00	5758.00	
Marcellus (shale)	5969.00	5758.00	NA	NA	GAS

47069003160000

Edward Dremak OHI 6H

Well Name:

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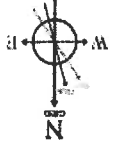
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SOUTHWESTERN ENERGY

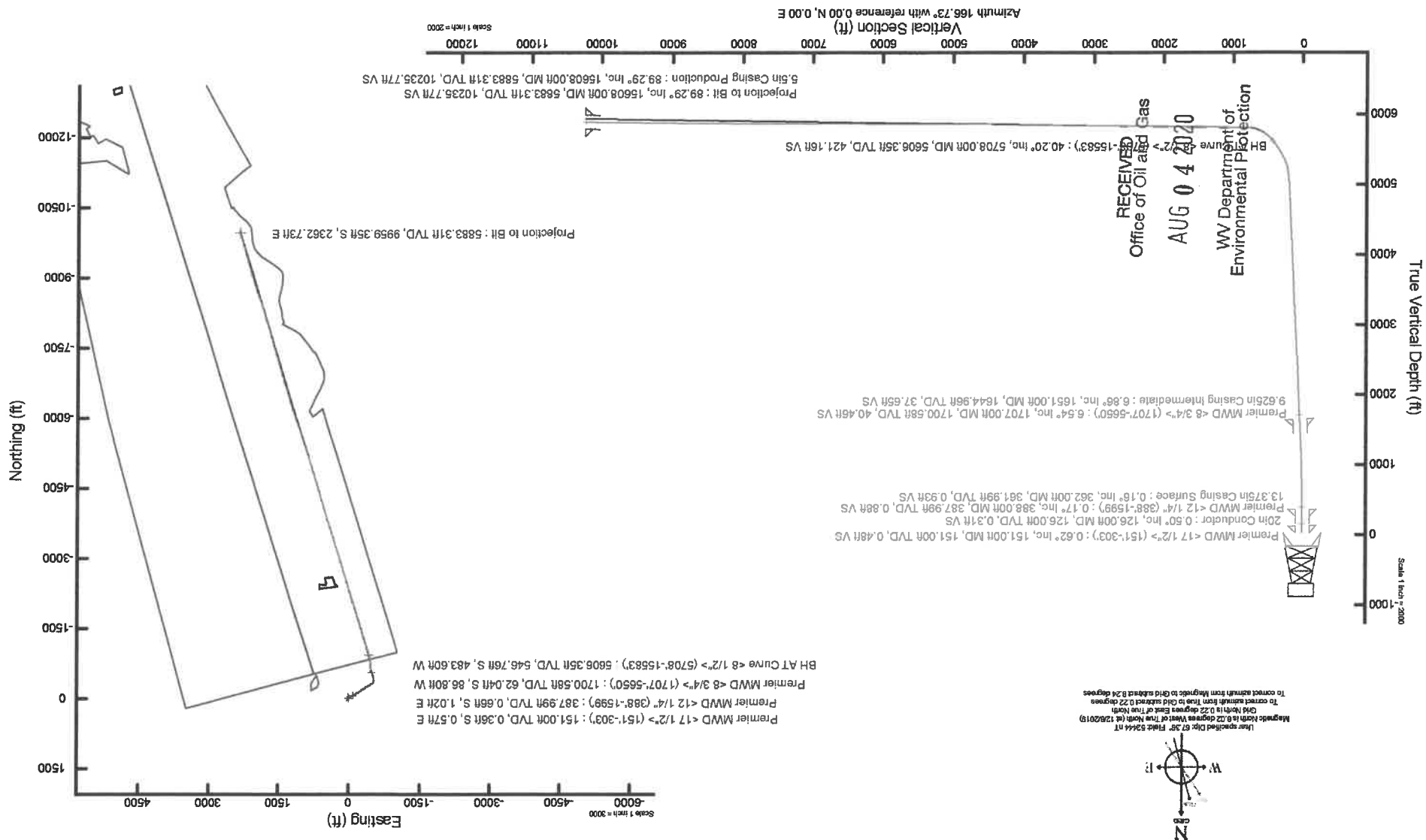
Location: Ohio County, WV
Field: Ohio
Facility: Edward Dremak OHI Pad
Wellbore: Edward Dremak OHI 6H
Well: Edward Dremak OHI 6H
Slot #: Slot #6H
Wellbore: Edward Dremak OHI 6H PWB

True vertical depths are referenced to SDC 42 (KB) North Reference: Grid north	Reference depths measured depths are referenced to SDC 42 (KB) Scale: True distance	SDC 42 (KB) to Mean Sea Level: 1114 ft Coordinates are in feet referenced to Slot Depth are in feet	Offset wellpath MDCs are referenced to each party's default MDC datum Mean Sea Level to Ground level (At Slot #6H): -1088 ft Depth are in feet
---	--	---	--

Created by: margin on 2019-12-11; Database: VA, MPL, EASTERNUS, Data



Use specified Dip: 57.30° File: 5244.rt
 Magnetic North is 0.22 degrees West of True North (at 12/20/19)
 CH North is 0.22 degrees East of True North
 To correct azimuth from True to Grid subtract 0.22 degrees



Location Information			
Facility Name	Edward Dremak OHI Pad	Grid East (US ft)	1737740.826
Slot	Local N (ft)	Local E (ft)	21.66
Slot #6H	23.32	21.66	1737762.482
SDC 42 (KB) to Ground level (At Slot: Slot #6H)			14584727.641
SDC 42 (KB) to Mean Sea Level			1114ft
Mean Sea Level to Ground level (At Slot: Slot #6H)			-1088ft
26ft			
Longitude	Grid North (US ft)	Grid East (US ft)	40°09'31.2230"N
Latitude	40°09'31.4526"N	80°39'5.7308"W	

Comments	
API: 47-058-00316-0009	
BH Job #: 110140383A	
Reg: SDC 42	
Duration: 12/08/2019 - 12/10/2019	



Hydraulic Fracturing Fluid Product Component Information Disclosure

3/24/2020

4/13/2020

West Virginia

Ohio

47-069-00316-00-00

Southwestern Energy

EDWARD DREMAK OH1 6

40.15873700

-80.65159200

NAD83

NO

NO

5,847

26,214,008

0

Job Start Date:

Job End Date:

State:

County:

API Number:

Operator Name:

Well Name and Number:

Latitude:

Longitude:

Datum:

Federal Well:

Indian Well:

True Vertical Depth:

Total Base Water Volume (gal):

Total Base Non Water Volume:



Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Number (CAS #)	Maximum Ingredient Concentration (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Ecopol-FEAC	SWN Well Services	Iron Control					
Econo-C1200	SWN Well Services	Corrosion Inhibitor					

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HCL	SWN Well Services	Solvent							
			Listed Below						
Toxicide PS 50A	SWN Well Services	Biocide							
			Listed Below						
Sand	SWN Well Services	Proppant							
			Listed Below						
Plexaid 655WG	SWN Well Services	Scale Inhibitor							
			Listed Below						
SWN FRW-11LC	SWN Well Services	Friction Reducer							
			Listed Below						
Base Water	Operator	Base Fluid							
			Listed Below						
Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.									
				Water	7732-18-5	100.00000	95.18513	Density = 8.345	
				Crystalline Silica, quartz	14808-60-7	100.00000	4.37178		
				Water	7732-18-5	85.00000	0.34557		
				Hydrochloric Acid	7647-01-0	15.00000	0.04665		
				Petroleum Distillates, Hydroreated	64742-47-8	25.00000	0.02362		
				Glycerin	56-81-5	50.00000	0.01502		
				Diethylenetriamine penta	15827-60-8	10.00000	0.00300		
				Tetrakis	55566-30-8	55.00000	0.00297		

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			Ammonium Chloride	12125-02-9	2.00000	0.00189
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00142
			Oleic Acid	93-83-4	1.50000	0.00142
			Diethanolamide			
			Acetic Acid	64-19-7	37.50000	0.00062
			Methanol	67-56-1	80.00000	0.00038
			Citric Acid	77-92-9	22.50000	0.00037
			Acrylic acid terpolymer	397256-50-7	1.00000	0.00005
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00005
			Fatty acids	61790-12-3	5.02700	0.00002
			Modified thiourea polymer	68527-49-1	4.74600	0.00002
			Potassium acetate	127-08-2	0.02200	0.00000
			Formaldehyde	50-00-0	0.00400	0.00000

* 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)

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE)

7429'

LATITUDE: 40°10'00" BOTTOM HOLE (2000' SCALE)

5107'

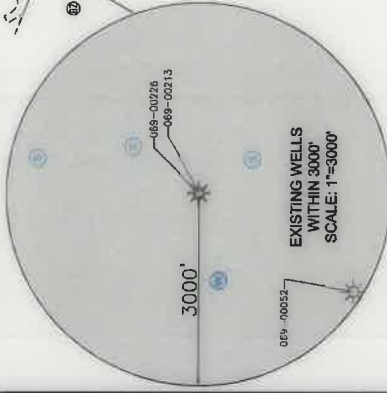
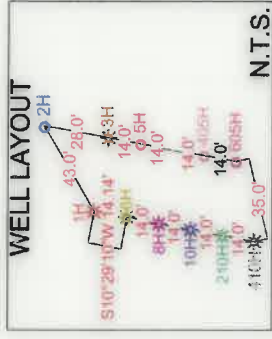
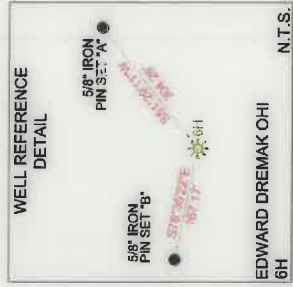
LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE)

2914'



68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

- NOTES ON SURVEY
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING ARCADE SOFTWARE. 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 PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 3. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
 4. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR FLOODING WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 5. NO NATURALLY OCCURRING PRODUCE OIL OR GAS WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
 6. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



LONGITUDE: 80°37'30" BOTTOM HOLE (2000' SCALE)

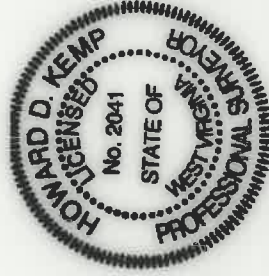
12881'

LINE	BEARING	DISTANCE
L1	S88°14'16"W	768.43'
L2	N75°49'42"W	794.63'

3000 0 3000

GRAPHIC SCALE IN FEET

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



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

P.S. 2041

(+) 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)

OPERATOR'S WELL #: EDWARD DREMAK OHI

6H

API WELL #: 47 069 00316

STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH

DISTRICT: RICHLAND

SURFACE OWNER: ANDREW JOHN EVICK

OIL & GAS ROYALTY OWNER: EDWARD W. & JOANNE V. DREMAK

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON PLUG OFF OLD FORMATION

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,883' TWD 15,608' TMD

DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:

- EXISTING BOTTOM HOLE
- ✱ EXISTING / PRODUCING WELL-HEAD
- LPL ✱ EXISTING LANDING POINT LOCATION
- LPL ✱ PROPOSED SURFACE HOLE / BOTTOM HOLE
- PROPOSED LANDING POINT LOCATION
- PROPOSED PATH
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAN
- LEASE BOUNDARY
- AS-DRILLED HOLE
- PROPOSED PATH

REVISIONS:

DATE: 04-08-2020
API NO: 47-069-00316
DRAWN BY: R. GRIMES
SCALE: 1" = 3000
DRAWING NO: 2018-284
WELL LOCATION PLAT

TRACT	WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ANDREW JOHN EVICK (S) EDWARD W. & JOANNE V. DREMAK (R)	04-R5-54.0
TRACT	SURFACE OWNER	TAX PARCEL
2	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R8-06.0
3	TUNNEL RIDGE, LLC	04-R8-76.0
4/P	MELISSA E. & RALPH L., II FRITTER	04-R8-25.0
5	TUNNEL RIDGE, LLC	04-R8-26.0
6/Q	TUNNEL RIDGE, LLC	04-R8-15.4
7	TUNNEL RIDGE, LLC	04-R8-27.7
8	WV DOT, DIVISION OF HIGHWAYS	04-R8-9999.9999
9	TUNNEL RIDGE, LLC	04-R8-20.0
10	TUNNEL RIDGE, LLC	04-R8-20.2
11	TUNNEL RIDGE, LLC	04-R8-20.3
12	TUNNEL RIDGE, LLC	04-R8-22.0
13	TUNNEL RIDGE, LLC	04-R8-22.1
14	TUNNEL RIDGE, LLC	04-R8-61.4
15	TUNNEL RIDGE, LLC	04-R12-01.3
16	TUNNEL RIDGE, LLC	04-R11-34.1
17	TUNNEL RIDGE, LLC	04-R11-34.9
18	TUNNEL RIDGE, LLC	04-R11-34.13
19	JAMES V. & EDITH M. STANTON	04-R11-34.4
20	JAMES & EDITH STANTON	04-R11-34.11

TRACT	ADJOINING OWNERS TABLE SURFACE OWNER	TAX PARCEL
A	ANDREW JOHN EVICK, SINGLE	04-R5-49.0
B	WINDSOR POWER COAL COMPANY	04-R8-08.1
C	ANDREW JOHN EVICK, SINGLE	04-R5-54.1
D	TUNNEL RIDGE, LLC	04-R8-08.18
E	SUSAN L. CAIN	04-R8-08.3
F	TUNNEL RIDGE, LLC	04-R8-08.2
G	TUNNEL RIDGE, LLC	04-R8-08.9
H	OHIO COUNTY COMMISSION	04-R8-08.16
I	JUDITH K. TYLER	04-R8-08.8
J	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-15.0
K	LOUIS R. HERCULES & ET AL	04-R8-07.0
L	DEBRA S. SHEPHERD	04-R8-15.2
M	XXXXXX	04-R8-00-DOH
N	SUZANNE F. STANLEY (L/E); BELINDA SUE DILLY, REMAINDER	04-R8-23.0
O	MELISSA E. & RALPH L., II FRITTER	04-R8-25.3
P	REMOVED	
Q	REMOVED	
R	TUNNEL RIDGE, LLC	04-R8-27.6
S	TUNNEL RIDGE, LLC	04-R8-21.2
T	TUNNEL RIDGE, LLC	04-R8-20.5
U	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-61.0
V	LEWIS R. & ROSEANN F. HOPKINS	04-R9-05.0
W	WILLIAM ISAAC KNIGHT & MEREDITH SERTICH	04-R9-03.7
X	DONNA MARTIN EVANS	04-R9-03.5
Y	BETH ANNE KENNEDY	04-R9-03.4
Z	RCK 2 GROUP	04-R9-01.0
AA	WILLIAM H. & CAROL L. REUTHER	04-R9-02.0
AB	BRADFORD & WANNETTA HARTLEY	04-R9-01.3
AC	GREGORY TAGGART	04-R9-50.0
AD	DOMINIC J. & SHERIE D. COTTRELL	04-R12-19.30
AE	ELIAS JOSEPH	04-R12-01.0
AF	HOWARD L. & BETTY M. SHACKLEFORD	04-R11-35.2
AG	JAMES V. & EDITH M. STANTON	04-R11-34.0
AH	SANDSCREST FOUNDATION, INC	04-R11-15.0
AI	TUNNEL RIDGE, LLC	04-R11-34.2
AJ	TUNNEL RIDGE, LLC	04-R11-34.5
AK	TUNNEL RIDGE, LLC	04-R11-34.6
AL	TUNNEL RIDGE, LLC	04-R11-34.3
AM	TUNNEL RIDGE, LLC	04-R11-34.12
AN	TUNNEL RIDGE, LLC	04-R8-61.2
AO	TUNNEL RIDGE, LLC	04-R8-61.1
AP	TUNNEL RIDGE, LLC	04-R8-74.0
AQ	TUNNEL RIDGE, LLC	04-R8-60.1
AR	TUNNEL RIDGE, LLC	04-R8-59.0
AS	TUNNEL RIDGE, LLC	04-R8-60.0
AT	TUNNEL RIDGE, LLC	04-R8-58.0
AU	TUNNEL RIDGE, LLC	04-R8-58.1
AV	KENDRA L. & RALPH J. HUFFMAN	04-R8-55.0
AW	MARILYN L. BLAKE	04-R8-27.2
AX	TUNNEL RIDGE, LLC	04-R8-21.1
AY	SUSAN KOGUT & BRADLEY MCGRATH	04-R8-27.5
AZ	MARILYN R. BLAKE	04-R8-27.0
BA	JAMES KEVIN CRUPE, SR	04-R8-49.0
BB	WAYNE D. & MARY R. THOMAS	04-R8-41.0
BC	DOROTHY T. LEOS	04-R8-40.0
BD	ALBERT D. & BARBARA J. ROBRIGHT	04-R8-21.0
BE	ALBERT D. & BARBARA J. ROBRIGHT	04-R8-22.0
BF	MICHAEL L. & PATRICIA M. ALLEN	04-R8-23.0
BG	SILO, LLC	04-R8-13.0
BH	MICHAEL J. & EKATERINA BOWMAN	04-R8-25.0
BI	CHAD D. & MELISSA E. LIZON	04-R8-26.0
BU	WILLIAM S. CALVERT	04-R8-27.0

TRACT	ADJOINING OWNERS TABLE SURFACE OWNER	TAX PARCEL
BK	WILLIAM S. CALVERT	04-R8-28.0
BL	THOMAS A. & TRICA L. GILSON	04-R8-08.1
BM	ADAM B. & STACEY L. CAMPBELL	04-R8F-03.0
BN	CAROL S. STANTON	04-R8-28.9
BO	THOMAS D. KASUNIC	04-R8-28.2
BP	DONALD R. & MINNIE JEAN TAYLOR (L/E); KIMBERLY J. KOCHY & TAMI L. TYSK, REMAINDER	04-R8-26.0
BQ	JAMES G. & TAMI L. TYSK	04-R8-26.5
BR	BARRY L. & PENNY S. MCCONNELL	04-R8-26.12
BS	BARRY L. & PENNY S. MCCONNELL	04-R8-26.4
BT	BARRY L. & PENNY S. MCCONNELL	04-R8-29.1
BU	RICHARD, JR. & LINDA L. CAROLL	04-R8-06.1
BV	RICHARD, JR. & LINDA L. CAROLL	04-R8-33.0
BW	JOHN P. & PAMELA J. BARBALEY	04-R8-33.2
BX	WILLIAM F. WENDEL	04-R8-33.1
BY	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R8-05.0
BZ	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R8-03.1
CA	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-43.0
CB	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-45.6
CC	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-52.0
CD	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-53.0
CE	TUNNEL RIDGE, LLC	04-R8-20.4
CF	TUNNEL RIDGE, LLC	04-R8-20.1

REVISIONS:

COMPANY:

OPERATOR'S

WELL #:

DISTRICT:
RICHLAND

EDWARD DREMAK OHI

6H

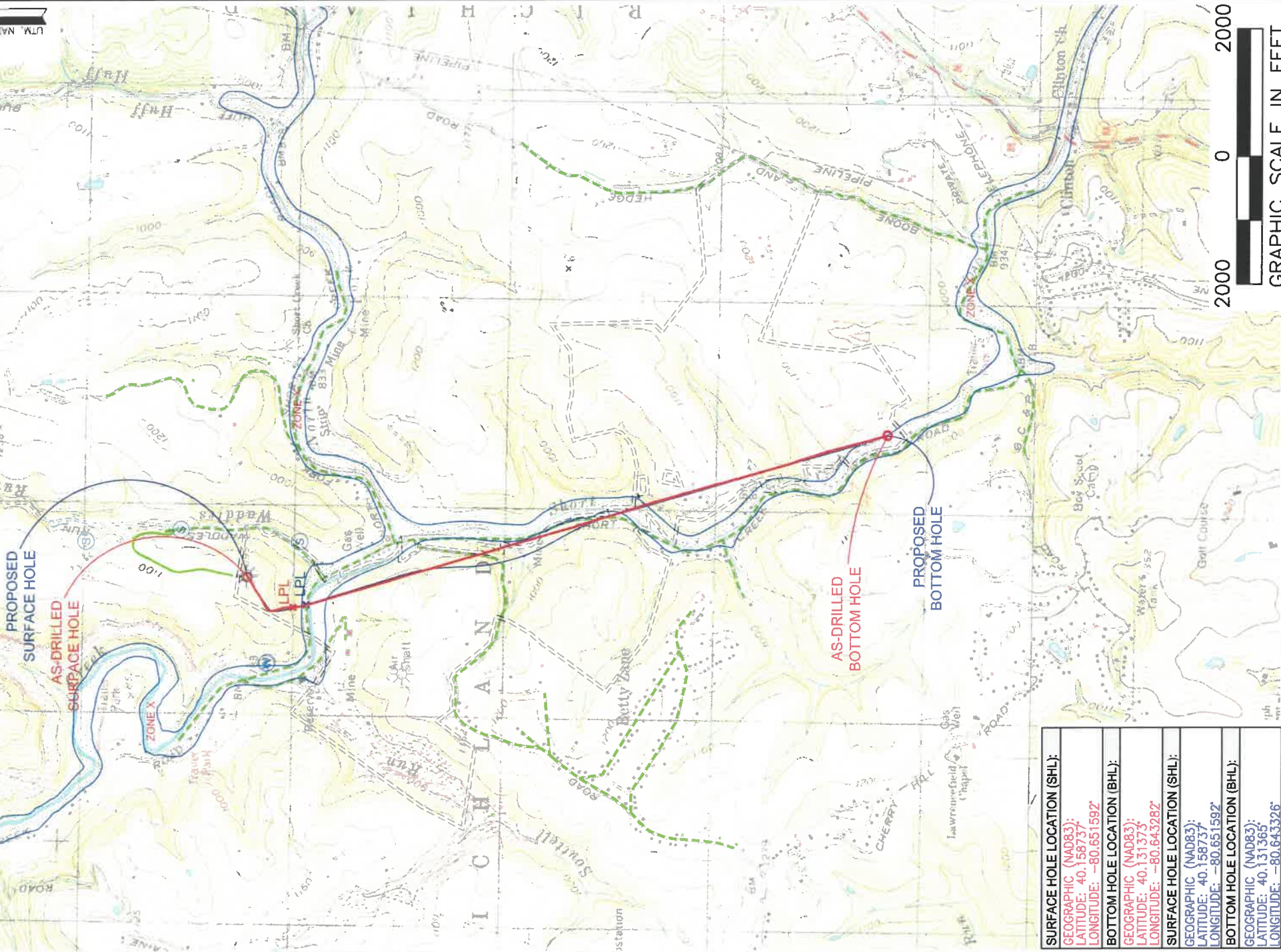
COUNTY:
OHIO

STATE:
WV

DATE: 04-08-2020
API NO: 47-069-00316
DRAWN BY: R. GRIMES
SCALE: N/A
DRAWING NO: 2018-284
WELL LOCATION PLAT



Production Company™



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.158737
LONGITUDE: -80.651592
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.131373
LONGITUDE: -80.643282
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.158737
LONGITUDE: -80.651592
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.131365
LONGITUDE: -80.643326

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 FLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- EXISTING BOTTOM HOLE
- ★ EXISTING / PRODUCING WELLHEAD
- LPL★ EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- LPL★ PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAIN
- LEASE BOUNDARY
- ADSRILLED PATH
- PROPOSED PATH



WELL OPERATOR:	SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME:	EDWARD DREMAK OHI		WELL #	6H	SERIAL #	XXXX	
ADDRESS:	1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY:	OHIO	CODE:	069	DISTRICT:	RICHLAND	API #	47-069-00316
SURFACE OWNER:	ANDREW JOHN EVICK		USGS 7 1/2 QUADRANGLE MAP NAME:							
R:\PROJECTS\SWN\2018-284_SWN-EDWARD DREMAK PAD\CADD\PLATS\AS-DRILLED\6H\EDWARD DREMAK OHI 6H.DWG			TILTONSVILLE, OH-WY							
WEDNESDAY APRIL 08 2020 08:02AM			COMPLETION ID 2501168624							
			PAD ID 3001165800							