

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

API 47-103-03150 County WETZEL District PROCTOR  
Quad WILEYVILLE, WV Pad Name CONSTANCE TAYLOR-WTZ-PAD1 Field/Pool Name CONSTANCE TAYLOR WTZ 8H  
Farm name CONSTANCE A. TAYLOR Well Number CONSTANCE TAYLOR WTZ 8H  
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 4,389,463.218 Easting 527,518.950  
Landing Point of Curve Northing 4,389,126.440 Easting 527,458.433  
Bottom Hole Northing 4,388,020.953 Easting 528,730.699

Elevation (ft) 1,430.2' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
SOBM

Date permit issued 08/15/2016 Date drilling commenced 12/20/2016 Date drilling ceased 02/11/2017  
Date completion activities began 05/02/2017 Date completion activities ceased 05/22/2017  
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 367' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1385' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 2645.5' Cavern(s) encountered (Y/N) depths N

Is coal being mined in area  Y  N

**APPROVED**

NAME: Sam M Ke  
DATE: 9-19-17

Reviewed by: DMH  
10/06/2017

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API 47- 103 - 03150 Farm name CONSTANCE A. TAYLOR Well number CONSTANCE TAYLOR WTZ 8H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24	20	126	NEW	J-55/94#		Y
Surface	17.5	13.375	473	NEW	J-55/54.5#		Y
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	2883	NEW	J-55/36#		Y
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	13461	NEW	HCP-110/20#		Y
Tubing		2.375		NEW	P-110/4.7#		N
Packer type and depth set							

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

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	547	15.6	1.20	548.2	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	1128	15.6	1.18	1331.04	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2263	15.6	1.19	2692.97	SURFACE	24
Tubing							

Drillers TD (ft) 13,461' Loggers TD (ft) 13,461'  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) 6,890'

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

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

SURFACE: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: 181 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

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

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PRODUCING FORMATION(S)	DEPTHS	
<u>MARCELLUS</u>	<u>7,432.72'</u> TVD	<u>7,764.58'</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump  
 SHUT-IN PRESSURE Surface 1,800 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs  
 OPEN FLOW Gas 2,545 mcfpd Oil 24 bpd NGL \_\_\_\_\_ bpd Water 69 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	<u>0</u>		<u>0</u>		
	<u>SEE</u>	<u>ATTACHMENT</u>	<u>3</u>		

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 THE WOODLANDS State TX Zip 77380  
 Cementing Company ALLIED OIL AND GAS  
 Address 8711 W CR 127 City MIDLAND State TX Zip 79706  
 Stimulating Company KEANE  
 Address 2121 SAGE ROAD City HOUSTON State TX Zip 77056

Please insert additional pages as applicable.

Completed by DENISE GRANTHAM Telephone 832-796-6139  
 Signature *Denise Grantham* Title REGULATORY TECHNICIAN Date 8/21/2017

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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Well Name:

CONSTANCE TAYLOR WTZ 8H

4710303150000

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	N.A.	N.A.	367	367	
Top of Salt Water	1145	1145	N.A.	N.A.	
Pittsburgh Coal	1385	1384.99	1392.63	1392.62	
Big Injun (ss)	2645.5	2645.45	2812.85	2812.79	
Berea (siltstone)	NOT LOGGED	NOT LOGGED	NOT LOGGED	NOT LOGGED	
Rhinestreet (shale)	6884.58	6782.99	7200.27	7081.49	
Cashaqua (shale)	7204.23	7085.04	7348.44	7205.78	
Middlesex (shale)	7348.44	7205.78	7477.98	7296.76	
Burket (shale)	7477.98	7296.76	7520.44	7323.14	
Tully (ls)	7520.44	7323.14	7560.52	7346.89	
Mahantango (shale)	7560.52	7346.89	7764.58	7432.72	
Marcellus (shale)	7764.58	7432.72	N.A.	N.A.	GAS

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CONSTANCE TAYLOR WTZ 8H  
PERF SUMMARY

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	5/2/2017	13,250	13,354	42
2	5/3/2017	13,114	13,214	42
3	5/3/2017	12,978	13,082	42
4	5/3/2017	12,842	12,946	42
5	5/3/2017	12,696	12,810	65
6	5/4/2017	12,570	12,674	42
7	5/4/2017	12,434	12,538	42
8	5/4/2017	12,298	12,402	42
9	5/4/2017	12,162	12,266	42
10	5/5/2017	12,026	12,130	42
11	5/5/2017	11,890	11,994	42
12	5/5/2017	11,754	11,858	42
13	5/5/2017	11,618	11,722	42
14	5/5/2017	11,482	11,586	42
15	5/5/2017	11,346	11,450	42
16	5/5/2017	11,210	11,314	42
17	5/6/2017	11,074	11,178	42
18	5/6/2017	10,938	11,042	42
19	5/6/2017	10,802	10,906	42
20	5/6/2017	10,666	10,770	42
21	5/6/2017	10,530	10,634	42
22	5/6/2017	10,394	10,498	42
23	5/6/2017	10,258	10,362	42
24	5/6/2017	10,122	10,222	42
25	5/7/2017	9,986	10,090	42
26	5/7/2017	9,850	9,954	42
27	5/7/2017	9,714	9,818	42
28	5/7/2017	9,578	9,682	42
29	5/7/2017	9,442	9,546	42
30	5/7/2017	9,306	9,410	42
31	5/7/2017	9,170	9,274	42
32	5/8/2017	9,034	9,138	42
33	5/8/2017	8,898	9,002	42
34	5/8/2017	8,762	8,866	42
35	5/8/2017	8,626	8,730	42
36	5/8/2017	8,490	8,594	42
37	5/8/2017	8,354	8,458	42
38	5/8/2017	8,218	8,322	42
39	5/8/2017	8,082	8,186	42
40	5/9/2017	7,946	8,050	42

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CONSTANCE TAYLOR WTZ 8H  
FRAC STAGE SUMMARY

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/other
1	5/2/2017	84	8,226	8,657	4,541	279,780	5,175	
2	5/3/2017	80	8,173	9,003	4,069	287,740	7,576	
3	5/3/2017	88	7,989	8,303	4,109	275,080	4,918	
4	5/3/2017	94	8,346	8,726	4,543	276,920	4,783	
5	5/3/2017	90	7,951	9,126	4,946	276,760	9,330	
6	5/4/2017	90	8,246	8,839	4,257	281,200	4,665	
7	5/4/2017	94	8,055	8,780	4,155	282,380	5,268	
8	5/4/2017	94	8,195	8,644	4,470	276,660	4,806	
9	5/4/2017	96	8,160	8,529	4,974	278,800	4,791	
10	5/5/2017	97	8,182	8,457	3,910	284,800	4,748	
11	5/5/2017	94	8,063	8,485	4,457	275,620	4,697	
12	5/5/2017	99	8,139	8,720	4,551	279,580	4,594	
13	5/5/2017	99	8,110	8,730	4,675	275,780	4,519	
14	5/5/2017	99	8,183	8,820	5,191	282,800	4,584	
15	5/5/2017	98	8,039	8,622	4,918	274,960	4,599	
16	5/5/2017	97	8,049	8,554	3,937	279,380	4,667	
17	5/6/2017	99	8,082	8,451	4,390	275,780	4,876	
18	5/6/2017	94	8,045	8,324	4,932	278,980	4,708	
19	5/6/2017	99	8,029	8,495	4,551	279,160	4,628	
20	5/6/2017	97	8,008	8,486	4,443	284,140	4,611	
21	5/6/2017	99	7,876	8,367	4,254	283,100	4,490	
22	5/6/2017	99	7,987	8,388	3,826	274,920	4,576	
23	5/6/2017	94	8,238	8,553	4,060	285,000	4,453	
24	5/6/2017	98	7,899	8,306	3,854	277,160	4,479	
25	5/7/2017	98	8,035	8,575	3,983	281,440	4,538	
26	5/7/2017	97	8,105	8,617	4,404	283,100	4,469	
27	5/7/2017	96	8,501	8,523	4,185	279,000	4,398	
28	5/7/2017	99	8,289	8,289	4,313	277,280	4,449	
29	5/7/2017	96	8,205	8,524	4,752	274,700	4,328	
30	5/7/2017	99	7,819	8,334	4,209	273,540	4,111	
31	5/7/2017	98	7,773	8,289	4,028	283,000	4,401	
32	5/8/2017	99	7,865	8,274	4,242	277,220	4,300	
33	5/8/2017	96	8,086	8,365	4,570	281,660	4,253	
34	5/8/2017	97	7,874	8,291	4,166	280,440	4,217	
35	5/8/2017	97	7,992	8,374	4,596	280,100	4,277	
36	5/8/2017	96	8,017	8,362	4,312	282,160	4,256	
37	5/8/2017	100	7,665	8,258	5,369	280,180	3,993	
38	5/8/2017	100	7,676	7,988	4,474	281,060	4,188	
39	5/8/2017	99	7,644	8,041	4,313	277,240	4,213	
40	5/9/2017	99	7,712	8,114	4,622	276,920	4,153	

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/2/2017
Job End Date:	5/9/2017
State:	West Virginia
County:	Wetzel
API Number:	47-103-03150-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Constance Taylor 8H
Latitude:	39.65452536
Longitude:	-80.67922230
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,506
Total Base Water Volume (gal):	7,775,068
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	SWN	Carrier/Base Fluid	Water	7732-18-5	100.00000	83.57083	None
Sand (Proppant)	Keane	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100.00000	14.39437	None
Hydrochloric Acid (15%)	Keane	Acidizing	Water	7732-18-5	85.00000	1.62769	None
			Hydrochloric Acid	7647-01-0	15.00000	0.28724	None
KFR-17	Keane	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8	45.00000	0.04883	None
			ethanediol	107-21-1	10.00000	0.01085	None
			Alcohols, C12-16, ethoxylated	68213-24-1	2.00000	0.00217	None
			Fatty alcohols ethoxylated	Proprietary	2.00000	0.00217	None
KFEAC-30	Keane	Iron Control	acetic acid	64-19-7	60.00000	0.00483	None
			Citric acid	77-92-9	40.00000	0.00322	None
KAI-16	Keane	Acid Inhibitor	isopropanol	67-63-0	60.00000	0.00198	None

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			Ethoxylated Fatty Alcohol	Proprietary	30.00000	0.00099	None
			Aromatic aldehyde	Proprietary	10.00000	0.00033	None
			Ethoxylated Alcohol	Proprietary	10.00000	0.00033	None
			Alkoxylated fatty amine	Proprietary	5.00000	0.00016	None
			Methanol	67-56-1	1.00000	0.00003	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Water	7732-18-5	85.00000	1.62769	
			ethanediol	107-21-1	10.00000	0.01085	
			Citric acid	77-92-9	40.00000	0.00322	
			Fatty alcohols ethoxylated	Proprietary	2.00000	0.00217	
			Alcohols, C12-16, ethoxylated	68213-24-1	2.00000	0.00217	
			Ethoxylated Fatty Alcohol	Proprietary	30.00000	0.00099	
			Aromatic aldehyde	Proprietary	10.00000	0.00033	
			Ethoxylated Alcohol	Proprietary	10.00000	0.00033	
			Alkoxylated fatty amine	Proprietary	5.00000	0.00016	
			Methanol	67-56-1	1.00000	0.00003	
			Oxyalkylated alcohol	Proprietary	5.00000		
			Water	7732-18-5	92.50000		
			ammonium chloride	12125-02-9	5.00000		

\* Total Water Volume sources may include fresh water, produced water, and/or 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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# RETTEW

RETTEW Associates, Inc.  
27 Travato Street, Suite 101  
Bridgeport, WV 26330  
Phone (800) 738-8395  
Email: rettew@rettew.com  
Website: www.rettew.com

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,389,463.218 EASTING: 527,518.950
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,389,126.440 EASTING: 527,458.433
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,388,020.953 EASTING: 528,730.699
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,389,463.294 EASTING: 527,518.940
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,389,125.691 EASTING: 527,457.702
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,387,860.830 EASTING: 528,910.727

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

BHL Latitude: 39°40'00"

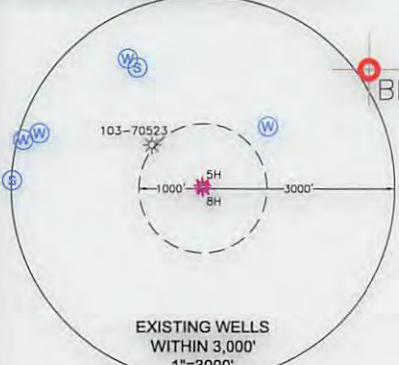
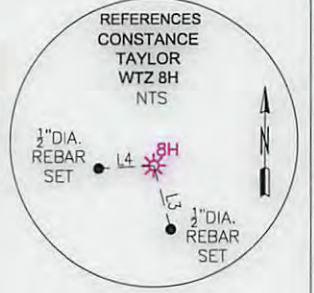
SHL Latitude: 39°40'00"

3,534'

11,306'

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 31°06'50" E	973.51'	SHL TO LANDMARK	1/2"Ø REBAR/CAP
L2	S 40°15'09" E	421.44'	SHL TO LANDMARK	
L3	S 14°58'37" E	262.87'	SHL TO REF. PNT.	1/2"Ø REBAR/CAP
L4	S 87°13'47" W	219.53'	SHL TO REF. PNT.	1/2"Ø REBAR/CAP
L5	S 10°11'13" W	1122.61'	SHL TO LP	
L6	S 49°00'44" E	5529.70'	LP TO BHL	

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	CONSTANCE A. TAYLOR	12-18-00050000	43.50±
2	TIMOTHY N. WELLS	12-18-00120000	78.09±
3	JIMMY DUKE REED	12-18-00190000	60.00±
4	PATRICK L. MORRIS	01-13-00070000	88.50±
5	PATRICK L. MORRIS	01-13-00080000	70.00±

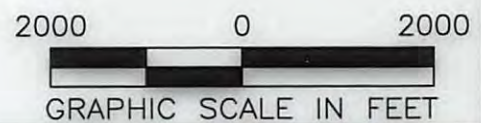
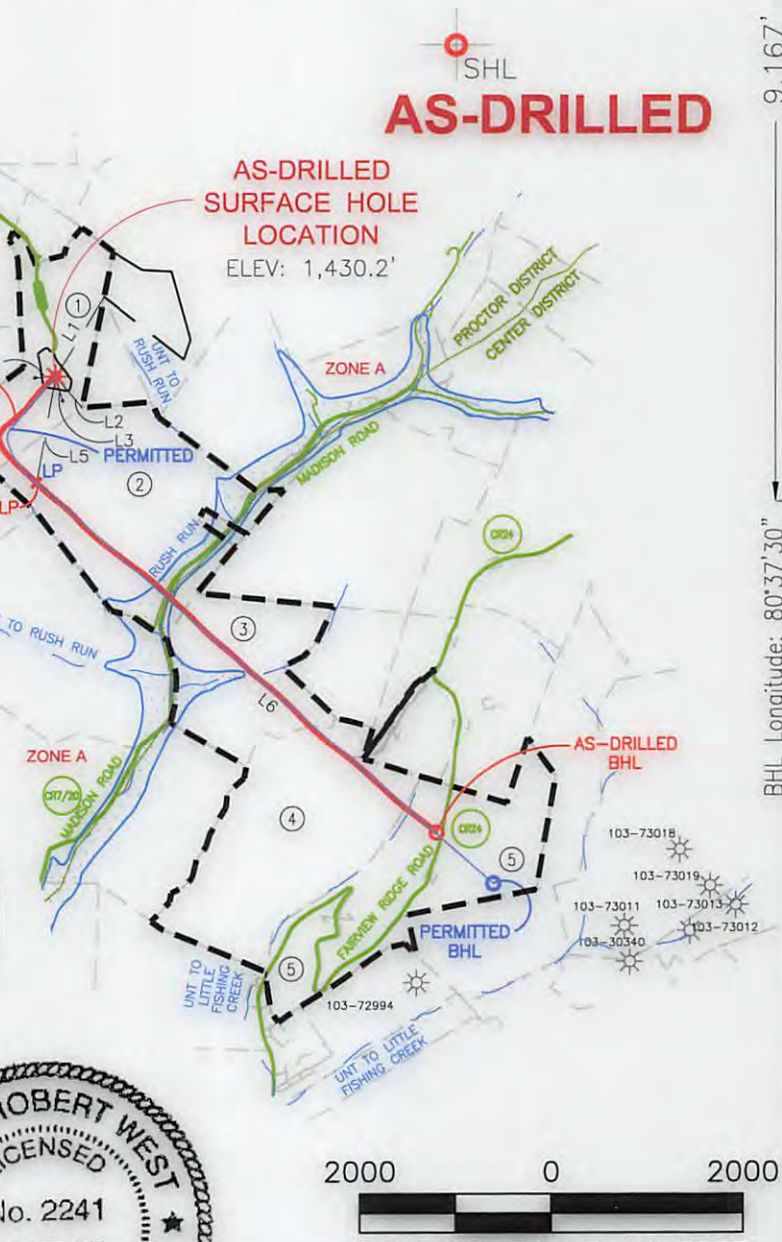
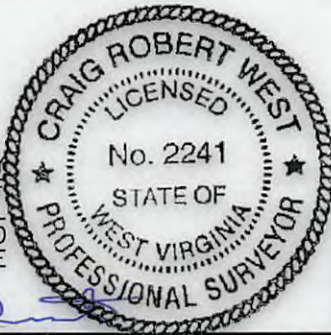
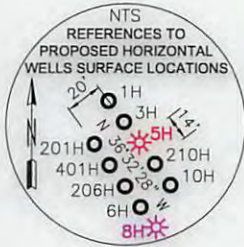


**NOTES ON SURVEY**

- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

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. 2241



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 ELEVATION: GRADE GPS (NAVD 88, US FT)

CONSTANCE TAYLOR WTZ  
OPERATOR'S WELL #: 8H  
API WELL #: 47 103 03150  
STATE COUNTY PERMIT

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

WATERSHED: LITTLE FISHING CREEK  
DISTRICT: PROCTOR DISTRICT COUNTY: WETZEL  
SURFACE OWNER: CONSTANCE A. TAYLOR  
OIL & GAS ROYALTY OWNER: CONSTANCE A. TAYLOR

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) **As-Drilled**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,506' IVD 13,461' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC  
ADDRESS: P.O. BOX 1300  
CITY: JANE LEW STATE: WV ZIP CODE: 26378

DESIGNATED AGENT: DEE SOUTHALL  
ADDRESS: P.O. BOX 1300  
CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	EXISTING SPRING	EXISTING WATER WELL	TIE LINE	LEASE BOUNDARY	ASDRILLED WELLPATH	PERMITTED WELLPATH	STREAM

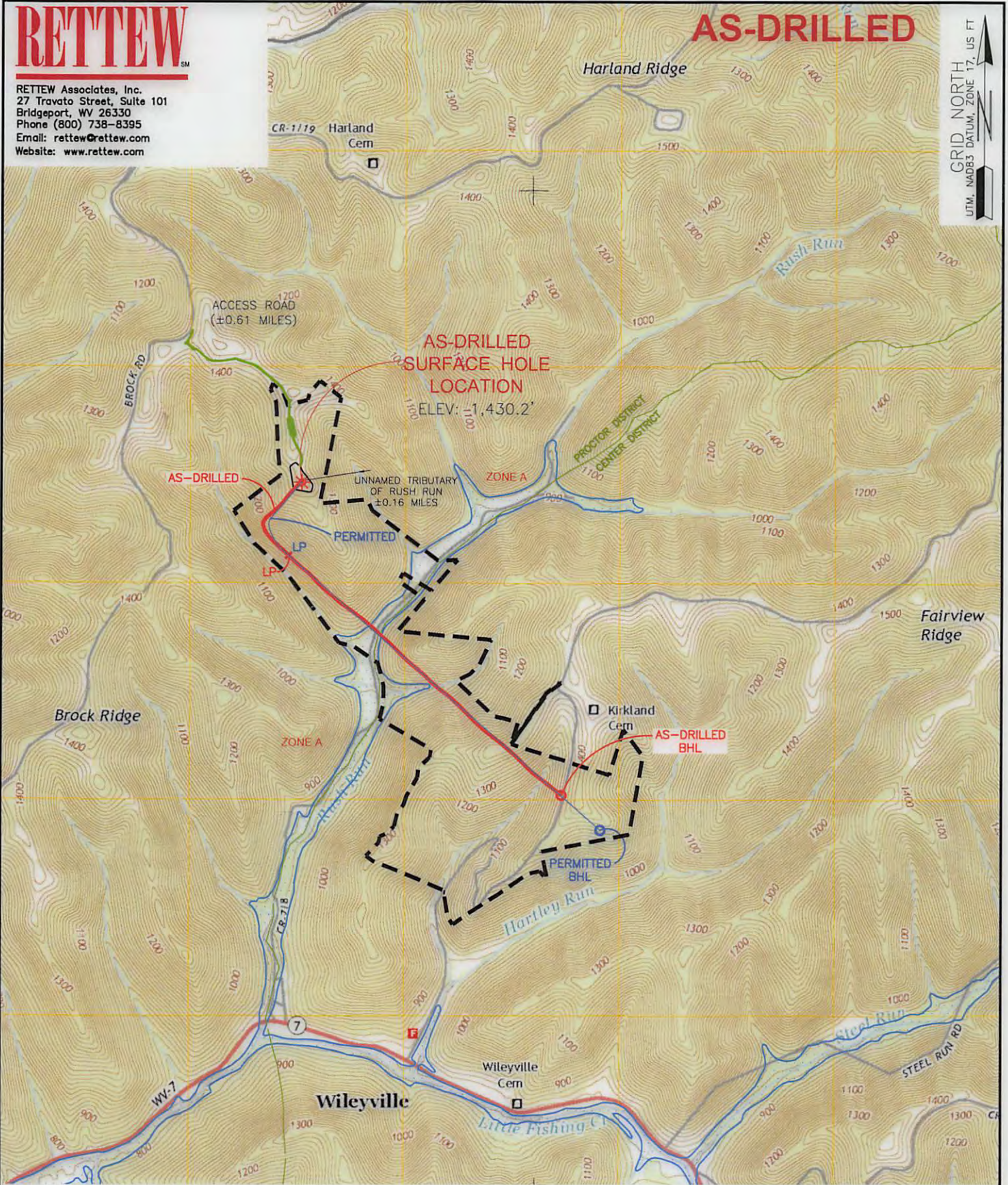


# RETTEW

RETTEW Associates, Inc.  
 27 Travato Street, Suite 101  
 Bridgeport, WV 26330  
 Phone (800) 738-8395  
 Email: rettew@rettew.com  
 Website: www.rettew.com

## AS-DRILLED



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



2000 0 2000

WELL: CONSTANCE TAYLOR WTZ, 8H  
 QUAD: WILEYSVILLE, WV

GRAPHIC SCALE IN FEET

<b>NAME AND DISTANCE TO THE NEAREST STREAM:</b> UN-NAMED TRIBUTARY TO RUSH RUN IS LOCATED ±0.16 MILES EAST OF THE CENTER OF THE DRILL PAD.		<b>STREAM CROSSING COORDINATES (NAD 83):</b> NO NEW CROSSINGS.		<b>COMPANY:</b>  	
<b>WELL RESTRICTIONS:</b> WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: >100 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: >300 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: >1000 FEET WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: >250 FEET CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >625 FEET CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >625 FEET		<b>OPERATOR'S</b> CONSTANCE TAYLOR WTZ		<b>WELL #:</b> 8H	
<b>FEMA FLOOD INFORMATION:</b> BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF WETZEL COUNTY, WEST VIRGINIA; MAP NUMBER 54103C0075C; EFFECTIVE DATE: SEPTEMBER 25, 2009.  FLOOD ZONE A IS SITUATED WITHIN THE UNIT.		<b>LOCATION:</b> PROCTOR DISTRICT, WETZEL COUNTY, WEST VIRGINIA		<b>SURFACE HOLE LOCATION:</b> GEOGRAPHIC (NAD83): LATITUDE: 39.654525° LONGITUDE: -80.679223° <b>10/06/2017</b>	
<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD ⊠ ABANDONED WELL ⊠ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR		<b>ASDRILLED WELLPATH</b> PERMITTED WELLPATH ACCESS ROAD HIGHWAY/INTERSTATE COUNTY ROAD		<b>REVISIONS:</b> DATE: 08-10-2017  DRAWN BY: W. MCCLEAF SCALE: 1" = 2000' DRAWING NO: 087569006 TOPOGRAPHIC MAP	