

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

API 47 - 069 - 00246 County OHIO District RICHLAND
Quad TILTONVILLE, OH Pad Name RAYLE COAL-OHI-PAD1 Field/Pool Name PANHANDLE FIELD WET
Farm name RAYLE COAL COMPANY Well Number RAYLE COAL OHI 401H
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 4,445,743.28 Easting 531,777.55
Landing Point of Curve Northing 4,445,969.14 Easting 530,838.90
Bottom Hole Northing 4,448,304.70 Easting 530,143.29

Elevation (ft) 1063.8' 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)
SOBM

Date permit issued 09/19/2017 Date drilling commenced 08/15/2018 Date drilling ceased 08/28/2018
Date completion activities began 03/28/2019 Date completion activities ceased 04/15/2019
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 290' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 555' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 242' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed

C. [Signature] 9.9.19

Reviewed by:

CS 9.9.19

WR-35
Rev. 8/23/13

API 47-069-00246 Farm name RAYLE COAL COMPANY Well number RAYLE COAL OHI 401H

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	367	NEW	J-55/54.5#	201.4/143.3	Y
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	1,735	NEW	J-55/36#		Y
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	15,830	NEW	HCP-110/20#		Y
Tubing		2.375	6,989	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 ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	476	15.60	1.20	571.2	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	708	15.60	1.20	849.6	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,958	15.60	1.19	3,520.02	SURFACE	24
Tubing							

Drillers TD (ft) 15,830' Loggers TD (ft) 15,830'
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5,910'

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 _____

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/29/2019
Job End Date:	4/8/2019
State:	West Virginia
County:	Ohio
API Number:	47-069-00246-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Rayle Coal OHI 401
Latitude:	40.16144723
Longitude:	-80.62684194
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,770
Total Base Water Volume (gal):	13,355,232
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
HCL	SWN Well Services	Solvent					
				Listed Below			
SCAL16486A	Nalco	Scale Inhibitor					
				Listed Below			

			Alcohols, C12-C16, Ethoxylated propoxylated	68213-24-1	2.00000	0.01884
			Methanol	67-56-1	60.00000	0.01537
			Benzyl-(C12-C16 Alky)-Dimethyl-Ammonium	68424-85-1	30.00000	0.00769
			Chloride Glutaraldehyde	111-30-8	10.00000	0.00256
			Amine Triphosphate	Proprietary	30.00000	0.00183
			Acetic Acid	64-19-7	37.50000	0.00098
			Methanol	67-56-1	80.00000	0.00059
			Citric Acid	77-92-9	22.50000	0.00059
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00007
			Fatty acids	61790-12-3	5.02700	0.00004
			Modified thiourea polymer	68527-49-1	4.74600	0.00004
			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

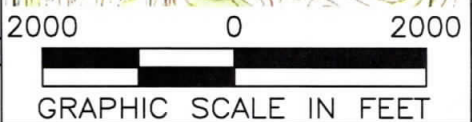
** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** 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)



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.161447°
LONGITUDE: -80.626842°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.184584°
LONGITUDE: -80.645913°



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

LEGEND:	ACCESS ROAD
EXISTING BOTTOM HOLE	PUBLIC ROAD
EXISTING / PRODUCING WELLHEAD	LEASE BOUNDARY
EXISTING LANDING POINT LOCATION	PROPOSED PATH
PROPOSED SURFACE HOLE / BOTTOM HOLE	AS-DRILLED PATH
PROPOSED LANDING POINT LOCATION	FLOOD PLAIN

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: RAYLE COAL OHI	WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: OHIO	CODE: 069	DISTRICT: RICHLAND
SURFACE OWNER: SHORT CREEK COAL COMPANY	USGS 7 1/2 QUADRANGLE MAP NAME: TILTONSVILLE, OH		
		API # 47-069-00246	

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

LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)

5841'

511'

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

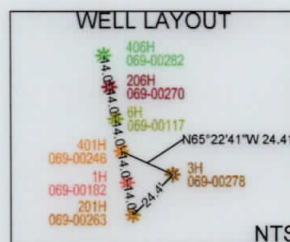
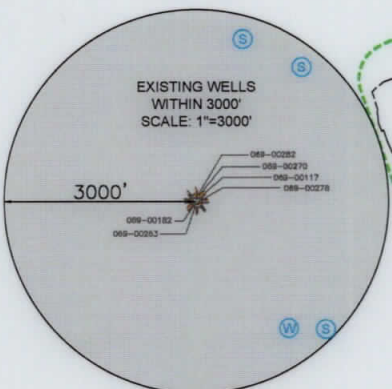
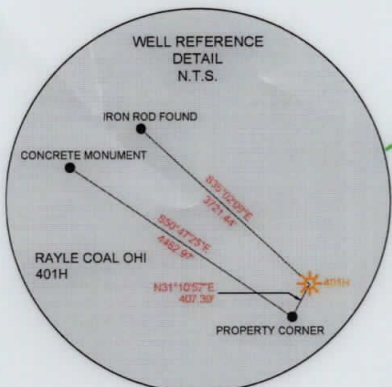
LONGITUDE: 80°37'30" BOTTOM HOLE (2000' SCALE)



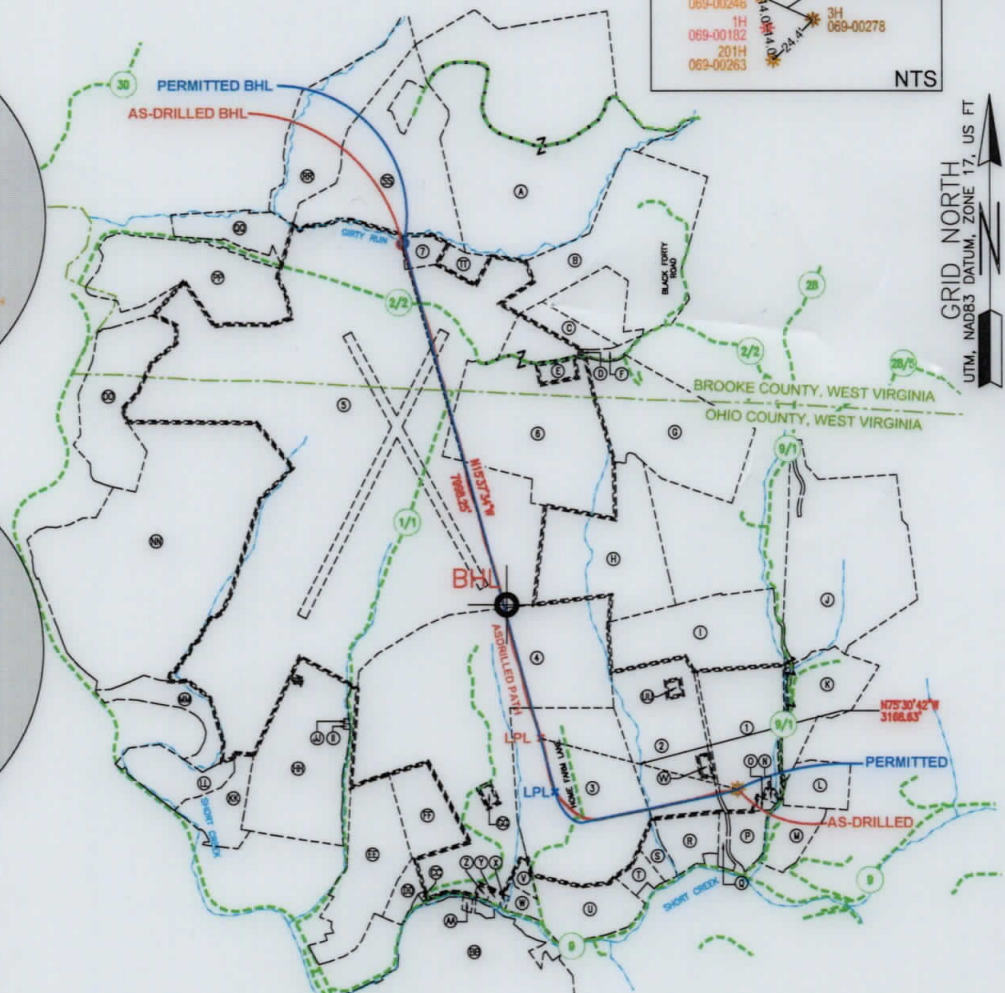
ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING

www.jhacompanies.com

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



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



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445743.27
EASTING: 531777.56
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445715.97
EASTING: 530910.09
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448311.70
EASTING: 530154.10
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445743.28
EASTING: 531777.55
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445969.14
EASTING: 530838.90
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448304.70
EASTING: 530143.29

NOTES ON SURVEY

- COORDINATE 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/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD
- 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 THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- THIS AS-DRILLED PLAT IS PREPARED FROM THE FINAL WELL PLAT PREPARED BY ANOTHER CONSULTANT AND THE DRILLING INFORMATION IS PROVIDED TO JHA.

3000 0 3000



GRAPHIC SCALE IN FEET

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. 2041



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

RAYLE COAL OHI OPERATOR'S WELL #: 401H API WELL #: 47 STATE 069 COUNTY 00246 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,063.8'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE, OH

SURFACE OWNER: SHORT CREEK COAL COMPANY ACREAGE: ±61.53

OIL & GAS ROYALTY OWNER: TRIENERGY HOLDING, LLC ACREAGE: ±61.53

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: 5,810' TVD 15,830' TMD

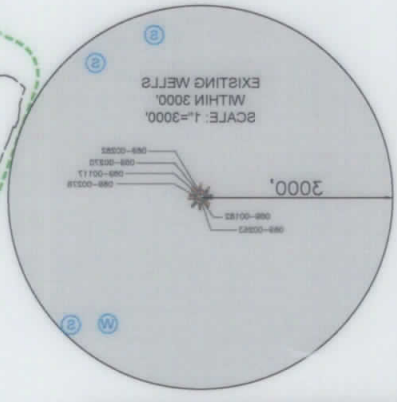
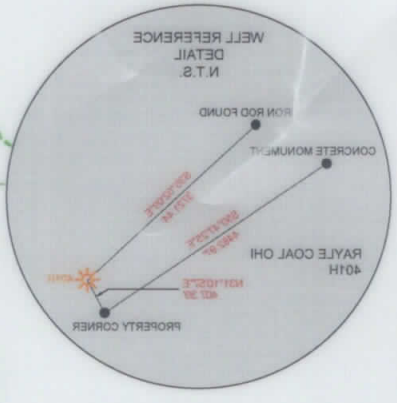
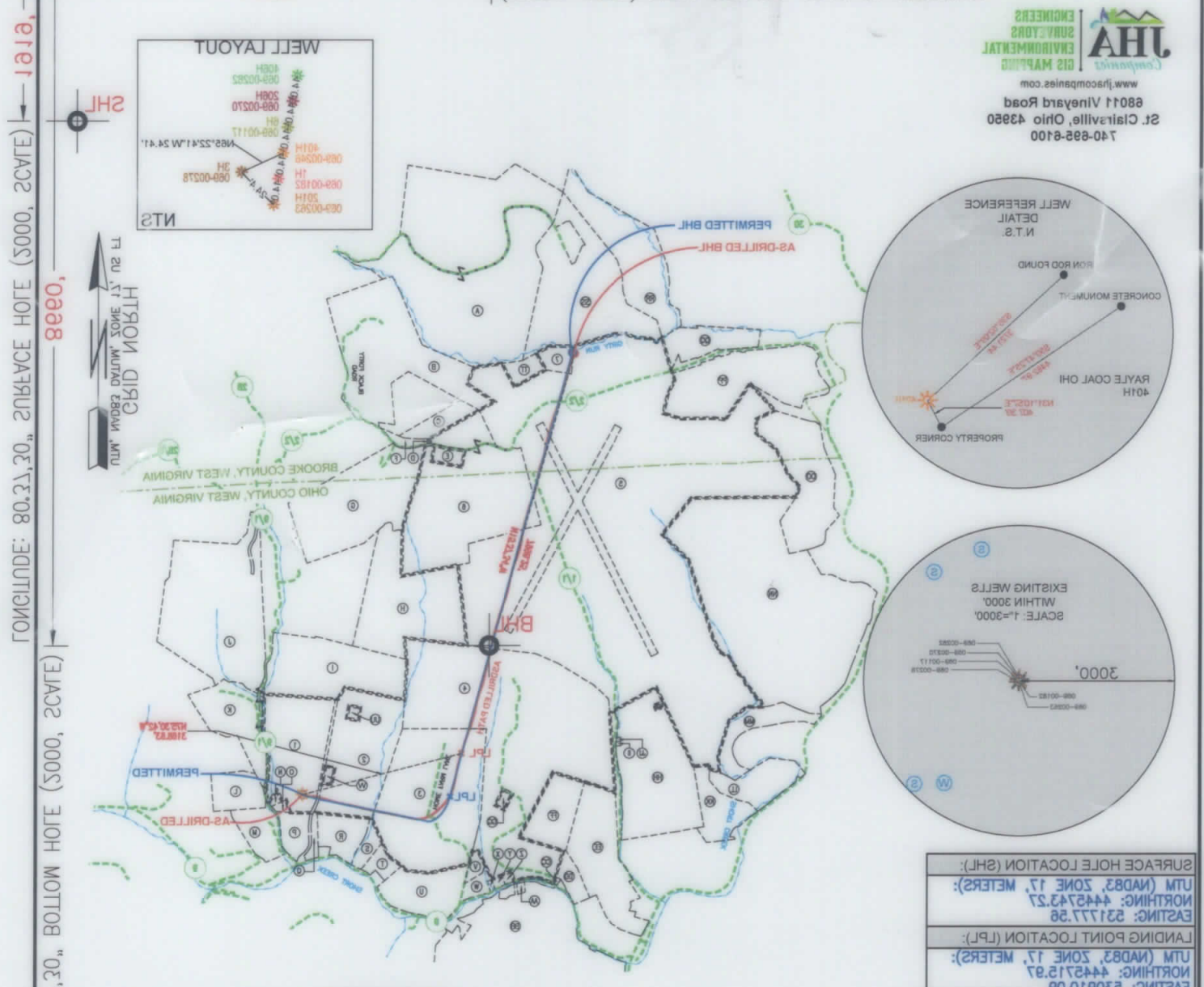
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	EXISTING WATER WELL	REVISIONS:	DATE: 07-09-2019
EXISTING BOTTOM HOLE	EXISTING SPRING		API NO: 47-069-00246
EXISTING / PRODUCING WELLHEAD	SURVEYED BOUNDARY		DRAWN BY: D. REED
EXISTING LANDING POINT LOCATION	LEASE BOUNDARY		SCALE: 1" = 3000'
PROPOSED SURFACE HOLE / BOTTOM HOLE	ASDRILLED PATH		DRAWING NO: 2018-864
PROPOSED LANDING POINT LOCATION	PROPOSED PATH		WELL LOCATION PLAT

LATITUDE: 40°12'30" BOTTOM HOLE (5000', SCALE) 2841'
 LATITUDE: 40°10'00" SURFACE HOLE (5000', SCALE) 211'



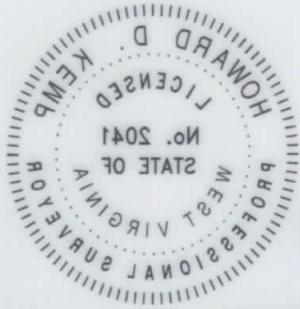
SURFACE HOLE LOCATION (SHL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448217.28	EASTING: 521777.58
LANDING POINT LOCATION (L.P.):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448215.97	EASTING: 520910.09
BOTTOM HOLE LOCATION (B.H.):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448204.70	EASTING: 520143.29
SURFACE HOLE LOCATION (SHL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448217.28	EASTING: 521777.58
LANDING POINT LOCATION (L.P.):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448208.14	EASTING: 520828.90
BOTTOM HOLE LOCATION (B.H.):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448204.70	EASTING: 520143.29

NOTES ON SURVEY

1. COORDINATE SYSTEM IS UTM AND 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND RAYLE COAL OIL OWNERS INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DRILLING OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY OCCURRING TROUT STREAM WITHIN 200 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
8. THIS AS-DRILLED PLAT IS PREPARED FROM THE PLAN WELL PLAT PREPARED BY ANOTHER CONSULTANT AND THE DRILLING INFORMATION IS PROVIDED TO JHA.

GRAPHIC SCALE IN FEET

0 3000



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.

7/1/19

SWN Production Company, LLC
 COMPANY: SWN
 47-00248

APL WELL #: 47
 STATE: OHIO
 COUNTY: TILTONSVILLE
 PERMIT: 00248
 OPERATOR'S WELL #: 401H
 RAYLE COAL OIL

ELEVATION: (NAVD 88, US FT)
 SOURCE OF GRADE GPS
 PROVEN SURVEY
 ACCURACY: 1/500
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

CHARLESTON, WV 25034
 OFFICE OF OIL & GAS
 601 57TH STREET
 WDEP
 UNITED STATES TOPOGRAPHIC MAPS

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

WATERSHED: UPPER OHIO SOUTH
 DISTRICT: RICHLAND
 SURFACE OWNER: SHORT CREEK COAL COMPANY
 OIL & GAS ROYALTY OWNER: TRIENERGY HOLDING, LLC
 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: 5810' TVD 12,830' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
 DESIGNATED AGENT: BRITANNY WOODY

DATE: 07-08-2019	REVISIONS:
APL NO: 47-08-00248	EXISTING WATER WELL
DRAWN BY: D. REED	EXISTING SPRING
SCALE: 1" = 3000'	SURVEYED BOUNDARY
DRAWING NO: 2018-864	LEASE BOUNDARY
WELL LOCATION PLAT	PROPOSED PATH
	AS-DRILLED PATH
	PROPOSED SURFACE HOLE / BOTTOM HOLE
	EXISTING LANDING POINT LOCATION
	EXISTING \ PRODUCING WELLHEAD
	EXISTING BOTTOM HOLE

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SHORT CREEK COAL COMPANY (S) TRIENERGY HOLDING, LLC (R)	04-R6-0017.0004
TRACT	SURFACE OWNER	TAX PARCEL
2	SHORT CREEK COAL COMPANY	04-R6-0017.0000
3	MARK & KRISTEN SEAMON	04-R6-0037.0000
4	BOARD OF COMMISSIONERS OF OHIO COUNTY	04-R5-0055.0000
5	BOARD OF COMMISSIONERS OF OHIO COUNTY	04-R5-0010.0000
6	BRUCE D. BONAR & WILLIAM D. BONAR	03-B46-0020.0000
7	BARRY L. & PATRICIA A. GREATHOUSE	03-B46-0019.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	BARRY A. & PATRICIA A. GREATHOUSE	03-B41-0082.0000
B	DANNY GENE & VIRGINIA MARGARET BRITT	03-B46-0027.0000
C	TRACY GILBERT	03-B46-0022.0001
D	TRACEY GILBERT	03-B46-0023.0001
E	DOUGLAS L. STEWART	03-B46-0021.0000
F	BUSTER T. & BARBARA A. BLAKE	03-B46-0023.0000
G	MY THREE SONS HOLDINGS, LP	03-B46-0024.0000
H	MARC SEAMON	04-R6-0002.0000
I	SHORT CREEK COAL COMPANY	04-R6-0017.0003
J	WINDSOR COAL COMPANY	04-R6-0012.0000
K	WAYNE E. SHOOK	04-R6-0015.0000
L	WINDELL H. & GLADYS GOFF	04-R6-0027.0001
M	WINDELL H. & GLADYS GOFF	04-R6-0024.0003
N	STELLA M. BRYAN & KATHLEEN J. BRYAN	04-R6-0017.0001
O	WINDSOR COAL COMPANY	04-R6-0025.0000
P	RICHARD A. WOOD, JR.	04-R6-0024.0006
Q	EDITH M. WOOD	04-R6-0022.0000
R	LOUIS J., JR. & GRETCHEN L. ENNIS	04-R6-0019.0002
S	SEAN A. SISARICK	04-R6-0019.0000
T	LUKE A. SISARICK	04-R6-0019.0004
U	MARC SEAMON	04-R6-0037.0001
V	SHORT CREEK CEMETERY	04-R5-0057.0000
W	SHORT CREEK METHODIST E CHURCH	04-R5-0060.0000
X	ROBERT L. & GWENDOLYN NOVAK	04-R5-0059.0000
Y	ERIC W. & LISA N. GADD	04-R5-0055.0001
Z	ERIC W. & LISA N. GADD	04-R5-0055.0003
AA	LUTHER R., II & D.F. SMITH	04-R8-0016.0001
BB	AMERICAN DISPOSAL SERVICES OF WV, INC	04-R8-0015.0000
CC	ALLIED WASTE, INC	04-R5-0056.0001
DD	ALLIED WASTE, INC	04-R5-0056.0000
EE	WINDSOR POWER COAL COMPANY	04-R8-0008.0001
FF	BOARD OF COMMISSIONERS OF OHIO COUNTY	04-R5-0010.0000
GG	BRYAN K. & LAURA L. PETTIT	04-R5-0055.0004
HH	EDWARD W. & JOANNE DREMAK	04-R5-0049.0000
II	RAY W. ARCHER	04-R5-0058.0000
JJ	RICHARD L. & DEBORAH K. BLACK	04-R5-0058.0001
KK	WINDSOR COAL COMPANY	04-R5-0050.0000
LL	JOHN W. METZ	04-R5-0046.0000
MM	BURNT MILL ACRES, LLC	04-R5-0013.000
NN	SHANE E. WOLOSHAN, TRUSTEE	04-R5-0009.0000
OO	RODNEY K. & N.C. MCCONNELL	04-R2-0020.0000
PP	HENRY W. ZEIDLER & JUDITH K. ZEIDLER	03-B46-0015.0000
QQ	BARRY L. & PATRICIA A. GREATHOUSE	03-B46-0018.0000
RR	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0032.0000
SS	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0083.0000
TT	STACY ANN & PATRICIA ANN GREATHOUSE	03-B46-0019.0000
UU	WEIRTON NATIONAL BANK	04-R6-0017.0005
VV	SHORT CREEK COAL COMPANY	04-R6-0017.0002

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R-V+}_A
Production Company™

OPERATOR'S

RAYLE COAL OHI

WELL #:

401H

DISTRICT:
RICHLAND

COUNTY:
OHIO

STATE:
WV

DATE: 07-09-2019
API NO: 47-069-00246
DRAWN BY: D. REED
SCALE: N/A
DRAWING NO: 2018-864
WELL LOCATION PLAT