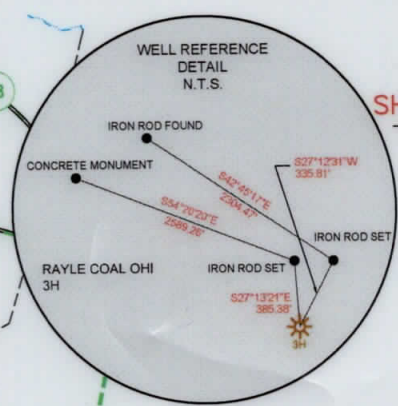
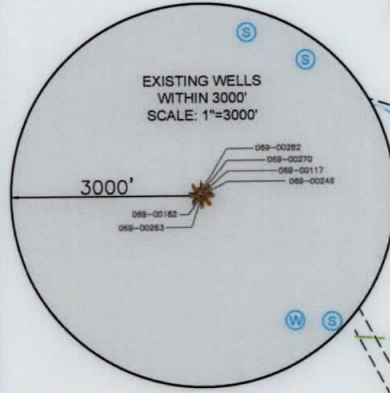


JHA ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

LATITUDE: 40°10'00" SURFACE HOLE
 LATITUDE: 40°12'30" BOTTOM HOLE



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445740.30 EASTING: 531784.37
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445916.24 EASTING: 531607.34
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4448373.60 EASTING: 530774.87
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445740.30 EASTING: 531784.37
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445995.87 EASTING: 531582.00
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4448365.74 EASTING: 530765.36



- 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.



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 *[Signature]* 7/9/19

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	COMPANY: SWN Production Company, LLC OPERATOR'S WELL #: 3H API WELL #: 47 069 00278 STATE COUNTY PERMIT
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO SOUTH DISTRICT: RICHLAND COUNTY: OHIO SURFACE OWNER: RAYLE COAL COMPANY OIL & GAS ROYALTY OWNER: RAYLE COAL COMPANY
DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED	TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,824' TVD 14,572' TMD	



WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
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LEGEND:	<input checked="" type="radio"/> EXISTING BOTTOM HOLE <input checked="" type="radio"/> EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION <input checked="" type="radio"/> PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION	<input checked="" type="radio"/> EXISTING WATER WELL <input checked="" type="radio"/> EXISTING SPRING SURVEYED BOUNDARY LEASE BOUNDARY AS-DRILLED PATH PROPOSED PATH	REVISIONS: DATE: 07-09-2019 API NO: 47-069-00278 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2018-864 WELL LOCATION PLAT
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WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RAYLE COAL COMPANY (S)/(R)	04-R6-0017.0004
TRACT	SURFACE OWNER	TAX PARCEL
2	RAYLE COAL COMPANY	04-R6-0017.0000
3	RAYLE COAL COMPANY	04-R6-0017.0002
4	WEIRTON NATIONAL BANK	04-R6-0017.0005
5	RAYLE COAL COMPANY	04-R6-0017.0003
6	MARK SEAMON	04-R6-0002.0000
7	BRUCE D. BONAR & WILLIAM D. BONAR	03-B46-0020.0000
8	TRACY GILBERT	03-B46-0022.0001
9	TRACY GILBERT	03-B46-0022.0000
10	DANNY GENE BRITT & MARGARET VIRGINIA	03-B46-0027.0000
11	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0082.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0082.0000
B	JAY GLEN COLLINS	03-B41-0080.0000
C	DALE T. & MARY R. WOOD	03-B41-0084.0000
D	JAMES B. & MELISSA D. GEBHARDT	03-B46-0029.0000
E	GRACE FRIEND	03-B46-0030.0000
F	REBECCA FRIEND	03-B46-0026.0000
G	GARY L. & MARGIE WILLIAMS	03-B46-0025.0000
H	BUSTER T. & BARBARA A. BLAKE	03-B46-0023.0000
I	TRACY GILBERT	03-B46-0023.0001
J	DOUGLAS L. STEWART	03-B46-0021.0000
K	MY THREE SONS HOLDINGS, LP	03-B46-0024.0000
L	GARY & MARTHA HERCULES	04-R6-0004.0000
M	GARY & MARTHA HERCULES	04-R6-0004.0001
N	GARY & MARTHA HERCULES	04-R6-0005.0000
O	GARY & MARTHA HERCULES	04-R6-0006.0000
P	MARTHA HERCULES	04-R6-0007.0000
Q	GARY WAYNE HERCULES	04-R6-0016.0000
R	WINDSOR COAL COMPANY	04-R6-0012.0000
S	WAYNE E. SHOOK	04-R6-0015.0000
T	WINDELL H. & GLADYS GOFF	04-R6-0027.0001
U	WINDELL H. & GLADYS GOFF	04-R6-0024.0003
V	STELLA M. BRYAN & KATHLEEN J. BRYAN	04-R6-0017.0001
W	WINDSOR COAL COMPANY	04-R6-0025.0000
X	RICHARD A. WOOD, JR.	04-R6-0024.0006
Y	EDITH M. WOOD	04-R6-0022.0000
Z	LOUIS J., JR. & GRETCHEN L. ENNIS	04-R6-0019.0002
AA	SEAN A. SISARCICK	04-R6-0019.0000
BB	MARC AND KRISTEN SEAMON	04-R6-0037.0000
CC	BOARD OF COMMISSIONERS OF OHIO COUNTY	04-R5-0055.0000
DD	BOARD OF COMMISSIONERS OF OHIO COUNTY	04-R5-0010.0000
EE	STACY ANN & PATRICIA ANN GREATHOUSE	03-B46-0041.0000
FF	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0083.0000

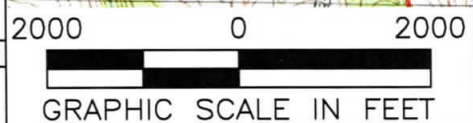
REVISIONS:

COMPANY:	SWN Production Company, LLC		
OPERATOR'S WELL #:	RAYLE COAL OHI 3H		
DISTRICT:	COUNTY:	STATE:	
RICHLAND	OHIO	WV	



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.161420°
LONGITUDE: -80.626762°

BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.185112°
LONGITUDE: -80.638602°



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:

- 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
- LEASE BOUNDARY
- PROPOSED PATH
- AS-DRILLED PATH
- FLOOD PLAN

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: RAYLE COAL OHI		WELL # 3H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY: OHIO	CODE: 069	DISTRICT: RICHLAND	API # 47-069-00278
SURFACE OWNER: RAYLE COAL COMPANY		USGS 7 1/2 QUADRANGLE MAP NAME: TILTONVILLE, OH			