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west virginia department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

## PERMIT MODIFICATION APPROVAL

October 08, 2015

SWN PRODUCTION COMPANY, LLC  
POST OFFICE BOX 12359  
SPRING, TX 773914954

Re: Permit Modification Approval for API Number 5101843, Well #: B & W EDGE MSH  
205H

**Modified Lateral Direction**

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Gene Smith".

Gene Smith  
Assistant Chief of Permitting  
Office of Oil and Gas

Promoting a healthy environment.

10/09/2015

51-01843



PO Box 1300  
Jane Lew, WV 26378  
PHONE: (832) 796-1610

August 11, 2015

Ms. Laura Adkins  
Office of Oil & Gas  
601 57<sup>th</sup> Street  
Charleston, WV 25304

**RE:** B & W Edge MSH 5H & 205H

Dear Ms. Laura:

Enclosed please find a revised WW-B, wbs, plat and WW-6A1 for the above captioned wells. We would like to swap the slot positions on the 5H & 205H. These wells are situated on the B & W Edge's property, Marshall County, West Virginia.

If you have any questions or desire additional information, please me at 304-884-1614

Thank you.

Sincerely,

✓

Dee Southall  
Regulatory Supervisor  
Southwestern Energy Production Company, LLC  
PO Box 1300  
Jane Lew, WV 26378

A handwritten red formula consisting of the fraction  $\frac{R^2}{A}$  followed by an arrow pointing to  $V^+$ .

The Right People doing the Right Things,  
wisely Investing the cash flow from  
our underlying Assets, will create Value+

10/09/2015

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator: SWN Production Co., LLC 494512924 51-Marshall 6- Sand 647- Wheeling  
Operator ID County District Quadrangle

2) Operator's Well Number: B & W Edge MSH 205H Well Pad Name: B & W Edge MSH Pad

3) Farm Name/Surface Owner: William F. Jr., & Barbara Edge Public Road Access: Big Wheeling Creek Road

4) Elevation, current ground: 1276' Elevation, proposed post-construction: 1253'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_  
Other \_\_\_\_\_  
(b) If Gas Shallow  Deep \_\_\_\_\_  
Horizontal

6) Existing Pad: Yes or No No *JN 8/5/15*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):  
Target Formation- Marcellus, Target Top TVD- 6285', Target Base TVD- 6369', Anticipated Thickness- 84', Associated Pressure- 4160

8) Proposed Total Vertical Depth: 6305'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 15,507'

11) Proposed Horizontal Leg Length: 8275' 8129' 8"

12) Approximate Fresh Water Strata Depths: 300'

13) Method to Determine Fresh Water Depths: from nearby water wells

14) Approximate Saltwater Depths: 950'

15) Approximate Coal Seam Depths: 742'

16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of.

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes  No \_\_\_\_\_

(a) If Yes, provide Mine Info: Name: Shoemaker  
Depth: 742'  
Seam: Pittsburgh Seam  
Owner: Shoemaker

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Office of Oil and Gas

AUG 12 2015

WV Department of  
Environmental Protection

10/09/2015

18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	125'	125'	CTS
Fresh Water	13 3/8"	New	J-55	54.5#	400'	400'	388 sx/CTS
Coal	9 5/8"	New	J-55	40#	2200'	2200'	828 sx/CTS
Intermediate	7"	New	J-55	20#	If Needed	If Needed	If Needed/As Needed
Production	5 1/2"	New	HCP-110	20#	15,507'	15,507'	Less 1" Cas 2022 for 100' below 10'
Tubing	2 3/8"	New	P-110	4.7#	Approx. 7375'	Approx. 7375'	
Liners							

*JW 8/5/15*

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Max. Associated Surface Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% Excess
Intermediate	7"	8 3/4"	0.317	4360	3250	Class A	1.20/15% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/15% Excess
Tubing	2 3/8"	4.778"	0.190				
Liners							


PACKERS

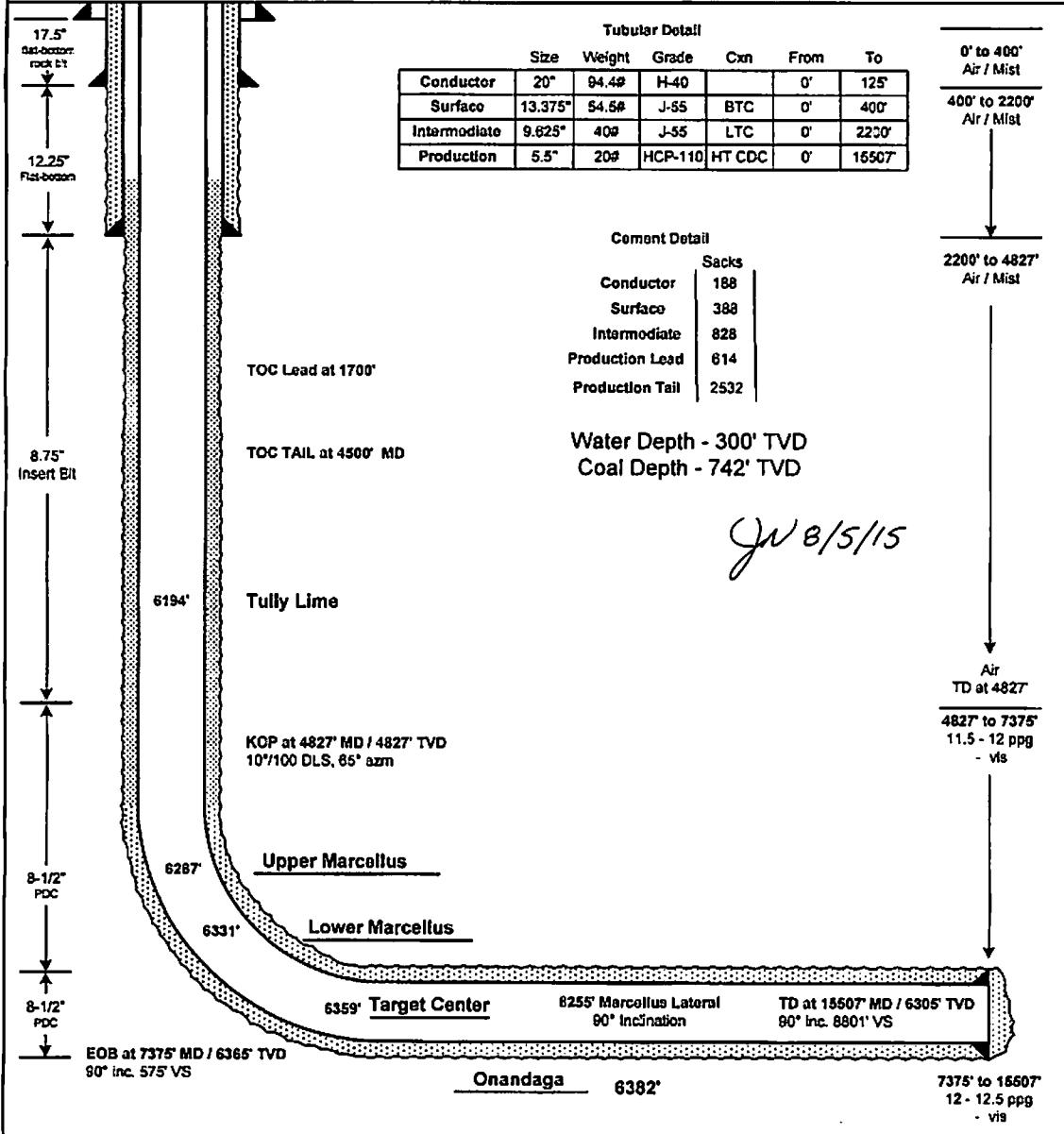
Kind:	10K Arrowset AS1-X			
Sizes:	5 1/2"			
Depths Set:				

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Office of Oil and Gas

AUG 12 2015

WV Department of  
Environmental Protection

Southwestern Energy Company		Proposed Drilling Program			
Well	: B W EDGE MSH 205	Re-entry Rig	: TBD		
Field	: PANHANDLE FIELD	Prospect	: PANHANDLE		
County	: MARSHALL	State	: WV		
SHL	: 40.006578 Latitude -80.627476 Longitude				
BHL	: 40.029894 Latitude -80.635887 Longitude				
KB Elev	: 1280 ft MSL	KB	: 26 ft AGL	GL Elev	: 1254 ft MSL



Data source: K:\EandP\WVD\Team Data\Drilling\Wells\BW Edge MSH 205\Drilling Program\Master SWN Well Input Sheet v E-0-1.xlsm


NOTE: This drawing was created for the Roanoke Rig. The depths and lengths shown in the plot are referenced to Roanoke Rig RKB.

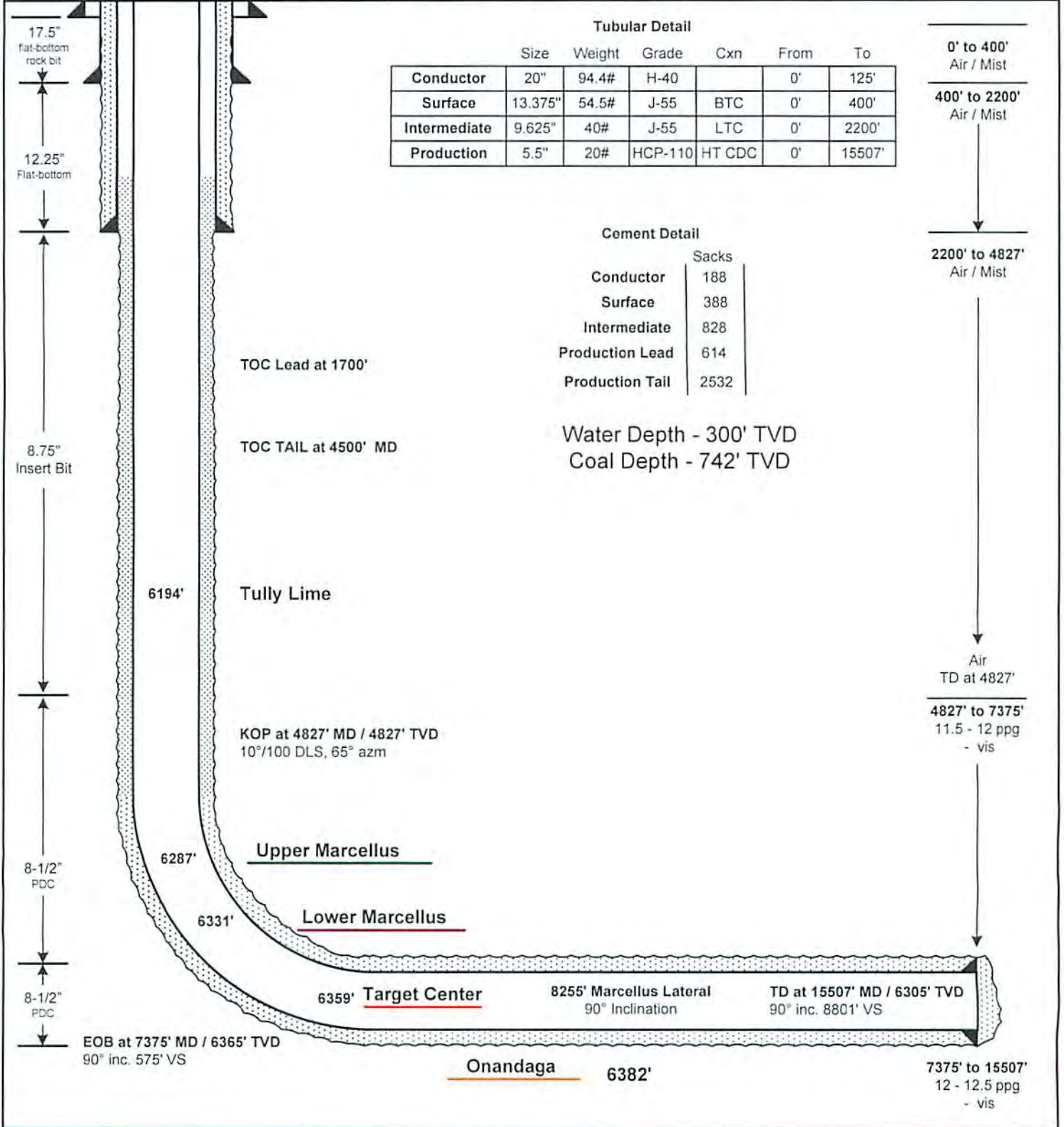
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WV Department of Environmental Protection  
10/09/2015



Southwestern Energy Company		Proposed Drilling Program			
Well	: B W EDGE MSH 205	Re-entry Rig	: TBD		
Field	: PANHANDLE FIELD	Prospect	: PANHANDLE		
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Data source: K:\EandP\WVD\Team Data\Drilling\Wells\BW Edge MSH 205H\Drilling Program\Master SWN Well Input Sheet v E-0-1.xlsm 10/09/2015

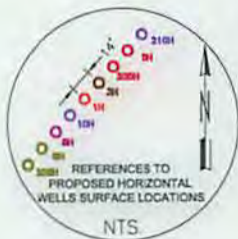
NOTE: This drawing was created for the Reentry Rig. The depths and lengths shown in the plat are referenced to Reentry Rig RKB.

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Office of Oil and Gas  
AUG 19 2015  
WV Department of Environmental Protection



# RETTEW

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



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

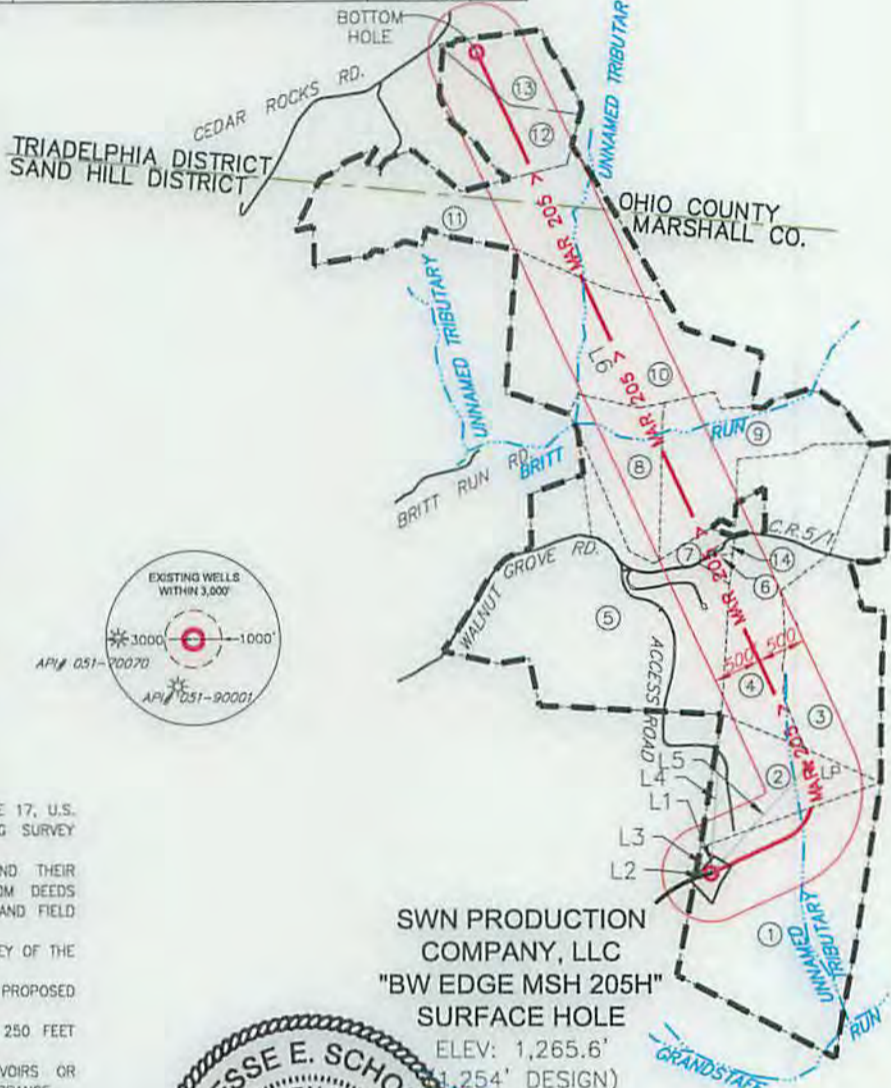
LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	N00°41'32"E	195'	SHL TO REF. PIN	IRON PIN
L2	S81°57'39"W	207'	SHL TO REF. PIN	IRON PIN
L3	S18°30'30"W	1,111'	SHL TO LANDMARK	UNIT CORNER
L4	N22°35'34"W	286'	SHL TO LANDMARK	UNIT CORNER
L5	N42°32'13"E	1,486'	SHL TO LP	
L6	N24°41'10"W	8,129'	LP TO BHL	

Latitude: N 40°02'30"

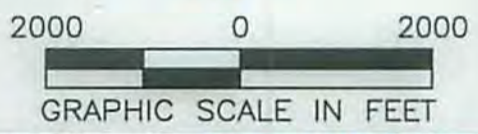
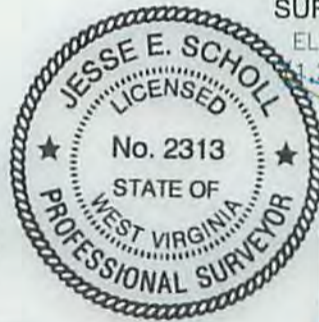
Longitude: W 80°37'30"

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	EDGE, WILLIAM F. JR. & BARBARA (S)/FLETCHER, JOSEPHINE (R)	12-9-8	87.8±
2	EDGE, WILLIAM F. JR. & BARBARA (S)/FLETCHER, JOSEPHINE (R)	12-9-8.1	28.0±
3	GZA, CHESTER A. (S)/GZ	12-1-16	53.1±
4	GZA, CHESTER A. (S)/GZ	12-1-15	53.4±
5	SCHELLHASE, MARK A. & ANDREA K. (S)/GZ	12-1-18	93.8±
6	SCHELLHASE, MARK A. & ANDREA K. (S)/GZ	12-1-18.5	0.9±
7	MILLER, WILET S. (S)/GZ	12-1-18.3	8.0±
8	MANIARSKI, PETE E. & SUSAN K. (S)/GZ	12-1-12	29.4±
9	MORRIS, KENNETH L. (S)/GZ	12-1-14	39.0±
9	HOLMES, CAROL ANN (S)/GZ	12-1-14	39.0±
10	OFFIELD, MICHAEL L. & TYLER R. (S)/GZ	12-1-13	71.6±
11	HARTMAN, WALTER LEWIS & GLORIA LOUISE (S)/GZ	12-1-10.1	47.8±
12	BEALL, GREGORY W. & JILL ANN (S)/GZ	T17-9.3	20.0±
13	BEALL, GREGORY W. & JILL ANN (S)/GZ	T17-9.1	17.6±
14	SMITH, CHESTER L. & AMEN S. (S)/GZ	12-1-18.2	0.5±

SURFACE HOLE LOCATION (SHL):	
GEOGRAPHIC (NAD83):	LATITUDE: 40.006578°
	LONGITUDE: -80.627476°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,529,346.805'
	EASTING: 1,744,732.483'
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,428,553.763
	EASTING: 531,795.524
"LANDING POINT" LOCATION (LPL):	
GEOGRAPHIC (NAD83):	LATITUDE: 40.009573°
	LONGITUDE: -80.623871°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,530,441.810'
	EASTING: 1,745,737.350'
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,428,887.521
	EASTING: 532,101.808
BOTTOM HOLE LOCATION (BHL):	
GEOGRAPHIC (NAD83):	LATITUDE: 40.029894°
	LONGITUDE: -80.635887°
UTM (NAD83, ZONE 17, FEET):	NORTHING: 14,537,827.590'
	EASTING: 1,742,342.430'
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,431,138.712
	EASTING: 531,067.035



SWN PRODUCTION COMPANY, LLC  
"BW EDGE MSH 205H"  
SURFACE HOLE  
ELEV: 1,265.6'  
(1,254' DESIGN)



**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 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. 2313

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>COMPANY: <b>SWN</b> Production Company, LLC</p> <p>OPERATOR'S WELL #: BW EDGE MSH 205H</p> <p>API WELL #: 47 051 01843 H6A - MOD</p>
	<p>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"/></p> <p>WATERSHED: UPPER OHIO SOUTH</p> <p>DISTRICT: SAND HILL COUNTY: MARSHALL</p> <p>SURFACE OWNER: EDGE, WILLIAM F. JR. &amp; BARBARA</p> <p>OIL &amp; GAS ROYALTY OWNER: FLETCHER, JOSEPHINE</p> <p>DRILL <input checked="" 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 checked="" type="checkbox"/></p> <p>CONVERT <input type="checkbox"/> PLUG &amp; ABANDON <input type="checkbox"/> CLEAN OUT &amp; REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS</p>	<p>ELEVATION: 1,265.6' (1,254' DESIGN)</p> <p>QUADRANGLE: WHEELING, W.VA-OHIO</p> <p>ACREAGE: 87.8±</p> <p>ACREAGE: 115.8±</p>
<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>	<p>DESIGNATED AGENT: DEE SOUTHALL</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>	<p>LEGEND:</p> <ul style="list-style-type: none"> <li>○ PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>⊗ EXISTING / PRODUCING WELLHEAD</li> <li>⊗ ABANDONED WELL</li> <li>⊗ PLUGGED &amp; ABANDONED WELL</li> <li>△ CUT CONDUCTOR</li> <li>--- LEASE BOUNDARY</li> <li>--- 500' DHP BUFFER</li> <li>--- MAR 205 &gt; MARCELLUS DHP</li> <li>--- ABANDONED PATH</li> </ul>



WW-6A1  
(5/13)

Operator's Well No. B&W Edge 205H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
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SEE EXHIBIT "A"

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

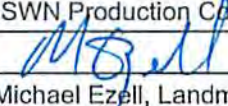
Well Operator: SWN Production Company L.L.C.  
 By:   
 Its: Michael Ezell, Landman



Exhibit "A"

Attached hereto and made part of the State of West Virginia Oil and Gas Permit Form WW-6A1 by, SWN Production Company L.L.C. Operator  
 BW Edge 205H  
 Marshall and Ohio Counties, WV

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	BK/PG
1)	12-9-8	1-385106-000	Josephine Fletcher	NPAR L.L.C	20%	707/584
			NPAR L.L.C.	Chevron		756/332
			Chevron USA, Inc.	Chesapeake Appalachia L.L.C.		30/532
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
2)	12-9-8.1	1-385106-000	Josephine Fletcher	NPAR L.L.C	20%	707/584
			NPAR L.L.C.	Chevron		756/332
			Chevron USA, Inc.	Chesapeake Appalachia L.L.C.		30/532
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
3)	12-1-16	1-357510-000	ChesterA. Giza	Tri Energy Holdings L.L.C.	18.75%	697/483
			Tri Energy Holdings L.L.C.	NPAR L.L.C		24/180
			NPAR L.L.C.	Chevron USA, Inc.		756/332
			Chevron USA, Inc.	Chesapeake Appalachia L.L.C.		30/532
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
4)	12-1-15	1-357510-000	ChesterA. Giza	Tri Energy Holdings L.L.C.	18.75%	697/483
			Tri Energy Holdings L.L.C.	NPAR L.L.C		24/180
			NPAR L.L.C.	Chevron USA, Inc.		756/332
			Chevron USA, Inc.	Chesapeake Appalachia L.L.C.		30/532
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
5)	12-1-18	1-312549-000	Mark A. Schellhase and Andrea K. Schellhase	Chesapeake Appalachia L.L.C.	18%	721/468
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
6)	12-1-18.5	1-312549-000	Mark A. Schellhase and Andrea K. Schellhase	Chesapeake Appalachia L.L.C.	18%	721/468
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
7)	12-1-18.3	1-385139-000	Violet S. Miller	Tri Energy Holdings L.L.C.	16%	699/11
			Tri Energy Holdings L.L.C.	NPAR L.L.C		24/180
			NPAR L.L.C.	Chevron USA, Inc.		756/332
			Chevron	Chesapeake Appalachia L.L.C.		30/532
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110

51-01843 MOD.

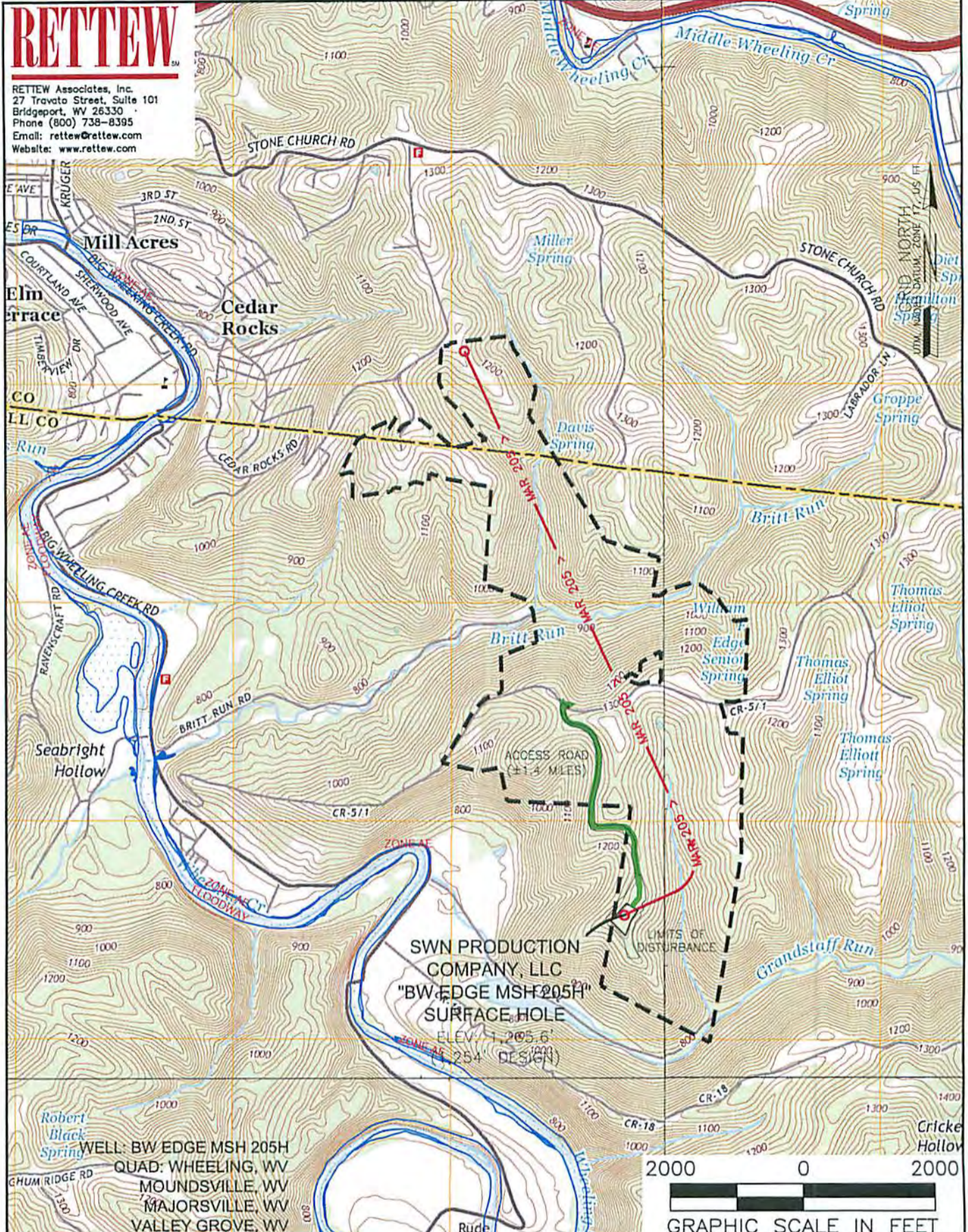
Exhibit "A"

Attached hereto and made part of the State of West Virginia Oil and Gas Permit Form WW-6A1 by, SWN Production Company L.L.C. Operator  
 BW Edge 205H  
 Marshall and Ohio Counties, WV

Tract #	Tax Parcel	Lease Number	Lessor	Lessee	Royalty	BK/PG
8)	12-1-12	1-385112-000	Pete E. Malarski and Susan K. Malarski	Tri Energy Holdings L.L.C.	18%	695/268
			Tri Energy Holdings L.L.C.	NPAR L.L.C.		24/180
			NPAR L.L.C.	Chevron USA, Inc.		756/332
			Chevron USA, Inc.	Chesapeake Appalachia L.L.C.		30/532
9)	12-1-14	1-295362-001	Kenneth L. McNinch	Chesapeake Appalachia L.L.C.	16%	69761
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
		1-295362-002	Carol Ann Holmes	Chesapeake Appalachia L.L.C.		18%
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
10)	12-1-13	1-297037-000	Michael L. Coffield and Tylene R. Coffield	Chesapeake Appalachia L.L.C.	18.75%	700/211
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
11)	12-1-10.1	1-286493-000	Walter Lewis Hartman and Gloria Louise Hartman	Chesapeake Appalachia L.L.C.	12.50%	688/622
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110
12)	T17-9.3	1-292376-000	Gregory W. Beall and Jill Ann Beall	Chesapeake Appalachia L.L.C.	14%	800/5
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		885/524
13)	T17-9.1	1-292376-000	Gregory W. Beall and Jill Ann Beall	Chesapeake Appalachia L.L.C.	14%	800/5
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		885/524
14)	12-1-18.2	1-385136-000	Chester L. Smith and Karen S. Smith	Tri Energy Holdings L.L.C.	18.75%	701/488
			Tri Energy Holdings L.L.C.	NPAR L.L.C.		24/180
			NAPR L.L.C.	Chevron USA, Inc.		756/332
			Chevron USA, inc.	Chesapeake Appalachia L.L.C.		30/532
			Chesapeake Appalachia L.L.C.	SWN Production Company L.L.C.		33/110

51-01843 MOD





<b>NAME AND DISTANCE TO THE NEAREST STREAM:</b> UNNAMED TRIBUTARY TO GRANDSTAFF RUN IS LOCATED ±0.17 MILES SE 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: >25 FEET CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >60 FEET CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 6000 SQ FT: >625 FEET		<b>OPERATOR'S WELL #:</b> BW EDGE MSH 205H		<b>LOCATION:</b> SAND HILL DISTRICT, MARSHALL COUNTY, WEST VIRGINIA	
<b>FEMA FLOOD INFORMATION:</b> BY GRAPHIC PLOTTING ONLY FEMA FIRM UNINCORPORATED AREA OF MARSHALL COUNTY, WEST VIRGINIA; MAP NUMBER 54051C0019E, EFFECTIVE DATE SEPTEMBER 25, 2009.		<b>SURFACE HOLE LOCATION:</b> GEOGRAPHIC (NAD83): LATITUDE: 40.006578° LONGITUDE: -80.627476°		10/09/2015	
<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / WELLHEAD ⊗ EXISTING / PRODUCING WELLHEAD ⊘ ABANDONED WELL ⊙ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR		<b>BOTTOM HOLE LOCATION:</b> GEOGRAPHIC (NAD83): LATITUDE: 40.029894° LONGITUDE: -80.635887°		<b>REVISIONS:</b> DATE: 07-26-2015 DRAWN BY: J. AIKEN SCALE: 1" = 2000' DRAWING NO: 087569005 TOPOGRAPHIC MAP	