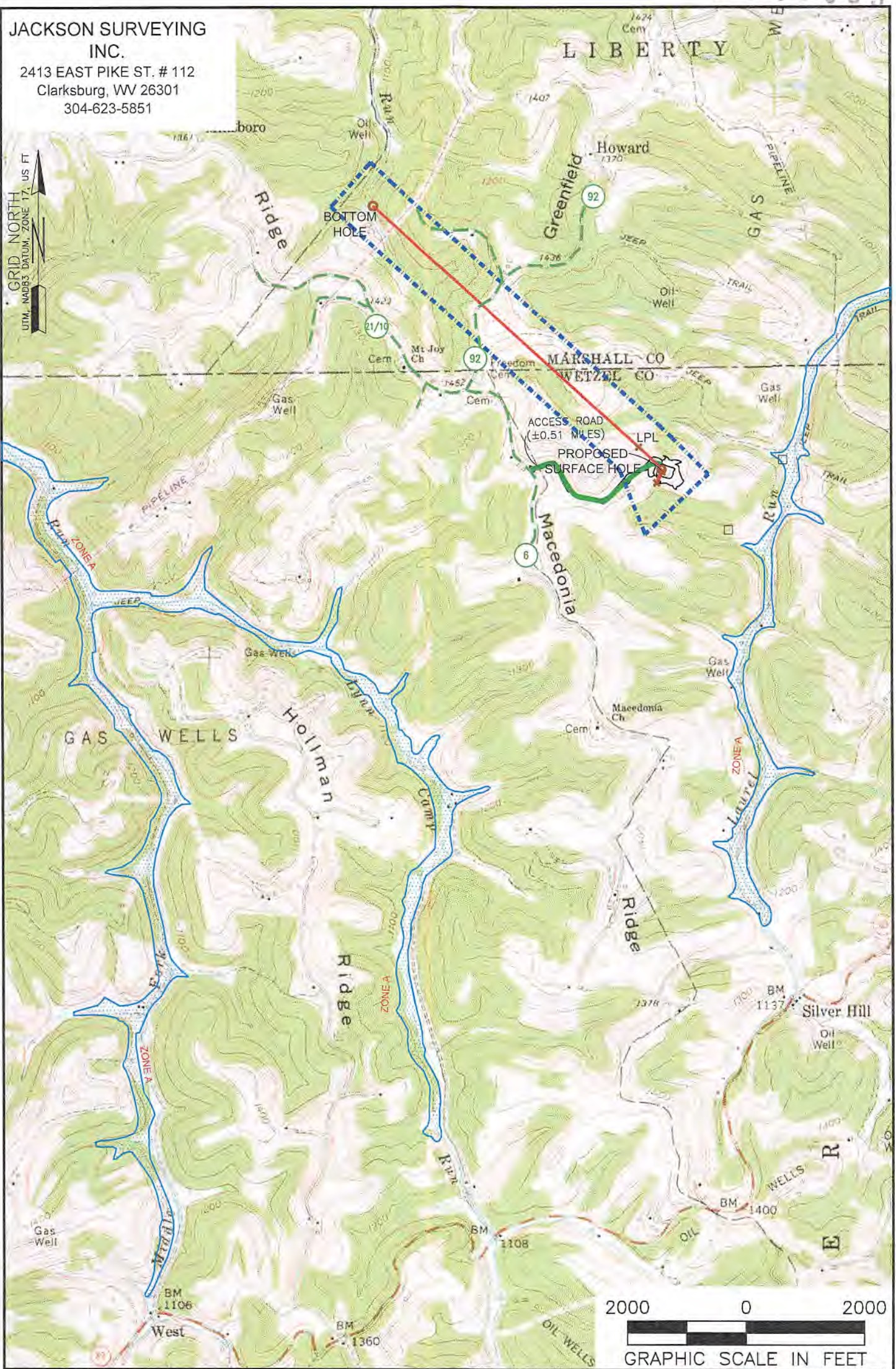


**JACKSON SURVEYING**

**INC.**

2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26301  
 304-623-5851

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



**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.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

RECEIVED  
 Office of Oil and Gas  
 OCT - 3 2019

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WV Department of Environmental Protection	WELL (FARM) NAME: DANIEL DURIG UP WTZ	WELL # 3H	SERIAL #
ADDRESS: 1300 FORT PIERPONT RD, SUITE 200 MORGANTOWN, WV 26508		COUNTY - CODE WETZEL - 103	DISTRICT: CENTER	
SURFACE OWNER: DANIEL DURIG		USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV	API #: 47-103-	

Latitude: 39°45'00" (TH)

SURFACE HOLE 4006'

Latitude: 39°45'00" (BH)

BOTTOM HOLE 8841'

# JACKSON SURVEYING INC.

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304-623-5851

### SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,396,396.718  
EASTING: 530,920.493

### TURNING POINT LOCATION-1 (TPL1):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,396,383.367  
EASTING: 530,895.615

### TURNING POINT LOCATION-2 (TPL2):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,396,383.551  
EASTING: 530,924.949

### LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,396,512.433  
EASTING: 530,803.608

### BOTTOM HOLE LOCATION (BHL):

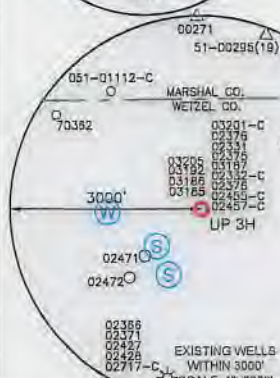
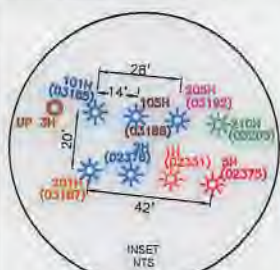
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,397,738.399  
EASTING: 529,441.710

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

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	ARTHUR DURIG (LIFE ESTATE), DANIEL DURIG (REMAINDERMAN) (S/R)	12-05-08	151.58
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	ARTHUR DURIG (LIFE ESTATE), DANIEL DURIG (REMAINDERMAN) (S)	12-05-11	85.5
3	MASON DIXON FARMS, LLC (S)	07-29-14	129.4
4	MASON DIXON FARMS, LLC (S)	07-29-8.1	89.875
5	MASON DIXON FARMS, LLC (S)	07-29-07	162.00
6	MASON DIXON FARMS, LLC (S)	07-29-09	25.0
7	MASON DIXON FARMS, LLC (S)	07-29-15	57.70
8	MASON DIXON FARMS, LLC (S)	07-29-8.2	52.125

## WELL: DANIEL DURIG UP MSH 3H UNIT BOUNDARY AREA 181.717 ACRES±

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 85°24'58" E	2054.56'	SHL TO LANDMARK	FENCE CORNER
L2	S 48°11'04" E	1515.55'	SHL TO LANDMARK	FD, MARKED STONE
L3	S 20°00'00" W	238.84'	SHL TO TPL1	TPL1
L4	N 27°59'37" E	205.04'	TPL1 TO TPL2	TPL2
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L5	N 43°16'26" W	580.76'	584.49'	TPL2 TO LPL



### WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

### 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.
4. NO DEEP WELLS WERE FOUND WITHIN 3000' OF THIS LATERAL.
5. 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. 708

*David L Jackson*



(+) 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)

COMPANY: **SWN** Production Company, LLC

DANIEL DURIG UP WTZ  
OPERATOR'S WELL #: 3H  
API WELL #: 47 STATE 103 COUNTY PERMIT 03334

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

WATERSHED: LAUREL RUN - (HUC-10 FISH CREEK) ELEVATION: 1400.9'

DISTRICT: CENTER COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: ARTHUR DURIG (LIFE ESTATE), DANIEL DURIG (REMAINDERMAN) ACREAGE: ±151.58

OIL & GAS ROYALTY OWNER: O.C. YOHO AND MARY YOHO, ARTHUR T. DURIG (LIFE ESTATE), DANIEL DURIG (REMAINDERMAN) ACREAGE: ±151.58

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

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: 12,193 TVD 18,562 TMD

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

ADDRESS: 1300 FORT PIERPONT RD. SUITE 200 ADDRESS: 1300 FORT PIERPONT RD. SUITE 200

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

LEGEND:	
	PROPOSED SURFACE HOLE / BOTTOM HOLE
	EXISTING / PRODUCING WELLHEAD
	LPL: LANDING POINT LOCATION
	EXISTING WATER WELL
	EXISTING SPRING
	SURVEYED BOUNDARY
	BOUNDARY UNIT
	LEASED TRACTS
	SURFACE TRACTS
	PROPOSED PATH
	DHP BUFFER

REVISIONS:	DATE:
	09-09-2019
	DRAWN BY: N. MANO
	SCALE: 1" = 2000'
	DRAWING NO:
	WELL LOCATION PLAT

**JACKSON SURVEYING  
INC.**

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26301  
304-623-5851

TRACT #	TMP	LESSOR	BK/PG
1	12-5-6	O. C. Yoho and Mary Yoho, his wife	45A/235
		Manufacturers Light and Heat Company	263/164
		Columbia Gas Transmission Corporation	84A/129
		Columbia Natural Resources, LLC	402/446
		Chesapeake Appalachia, L.L.C.	157A/540
2	12-5-11	O. C. Yoho and Mary Yoho, his wife (Arthur and Shirley Durig, life Estate; Daniel Durig, Remainderman)	45A/235
		Manufacturers Light and Heat Company	263/164
		Columbia Gas Transmission Corporation	84A/129
		Columbia Natural Resources, LLC	402/446
		Chesapeake Appalachia, L.L.C.	157A/540
3	7-29-14	T. J. Yoho and Etheel Yoho, his wife, Trecy Yoho, widower, George N. Yoho, widower, Agatha Barbuto and Joseph Barbuto, her husband, Maxine Horton and Maxine Horton as Attorney-in-Fact for William Horton, Sberald Yocum and Eula Yocum, his wife (Black Gold Group, LTD.; Nancy Nonemaker; Tammy Kay Boehm; Lisa Lee Ann Bowen; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Onward E. Burge Trust Dated June 21, 2010; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Sarah L. Burge Trust Dated June 21, 2010; Carol Derrow; Jack R. Hammers; Paul F. Hammers; Janet Hinerman; Sharon Hinerman-Hall; Dalvin D. Horton; H3 LLC; Teresa Lynn Lemley; Erica Mason; Kimela Ann Matthews; Dennis McFadden; Nancy McFadden Metheny; Susan D. Moore; Virginia Carol Riffle; Deborah Yoho Showalter; Brent Alan Snider; Bryan Snider; Julie Dawn Snider; Scott Eric Snider; Shirley Terek; Toni Jo Mason Living Trust; Berneda Ward; Joseph L. Watkins; WesBanco Trust & Investment Services, Trustee under the Stoy K. Whipkey and Twila O. Whipkey Trust Agreement; Charlene Dee Wildman; Chalmer C. Yocum; James E. Yocum; Lindsay Noel Yocum; Paul F. Yocum; Quentin A. Yocum, Sr.; Thomas Leon Yocum; Bradley Scott Yoho; Clayton Garth Yoho; Darren Lee Yoho; Donna Yoho; Jeffery Jay Yoho; Kevin Mark Yoho)	353/145
		Manufacturers Light and Heat Company	422/204
		Columbia Gas Transmission Corporation	642/281
		Columbia Natural Resources, LLC	650/63
		Chesapeake Appalachia, L.L.C.	33A/110
4	7-29-8.1	George N. Yoho, widower (Jack R. Hammers; Paul F. Hammers; Erica M. Mason; Toni Jo Mason Living Trust; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Onward E. Burge Trust Dated June 21, 2010; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Sarah L. Burge Trust Dated June 21, 2010; WesBanco Trust & Investment Services, Trustee under the Stoy K. Whipkey and Twila O. Whipkey Trust Agreement dated August 25, 1999)	363/383
		Manufacturers Light and Heat Company	422/204
		Columbia Gas Transmission Corporation	642/281
		Columbia Natural Resources, LLC	650/63
		Chesapeake Appalachia, L.L.C.	33A/110
5	7-29-7	George N. Yoho, widower (Jack R. Hammers; Paul F. Hammers; Erica M. Mason; Toni Jo Mason Living Trust; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Onward E. Burge Trust Dated June 21, 2010; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Sarah L. Burge Trust Dated June 21, 2010; WesBanco Trust & Investment Services, Trustee under the Stoy K. Whipkey and Twila O. Whipkey Trust Agreement dated August 25, 1999)	363/387
		Manufacturers Light and Heat Company	422/204
		Columbia Gas Transmission Corporation	642/281
		Columbia Natural Resources, LLC	650/63
		Chesapeake Appalachia, L.L.C.	33A/424

TRACT #	TMP	LESSOR	BK/PG
6	7-29-9	George N. Yoho, widower (Jack R. Hammers; Paul F. Hammers; Erica M. Mason; Toni Jo Mason Living Trust; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Onward E. Burge Trust Dated June 21, 2010; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Sarah L. Burge Trust Dated June 21, 2010; WesBanco Trust & Investment Services, Trustee under the Stoy K. Whipkey and Twila O. Whipkey Trust Agreement dated August 25, 1999)	353/103
		Manufacturers Light and Heat Company	422/204
		Columbia Gas Transmission Corporation	642/281
		Columbia Natural Resources, LLC	650/63
		Chesapeake Appalachia, L.L.C.	33A/110
7	7-29-15	George N. Yoho, widower, Trecy Yoho, widower, T. J. Yoho and Etheel Yoho, his wife, Tracy Yoho, widow, Agatha Barbuto and Joseph Barbuto, her husband, Maxine Horton, as Attorney in Fact for William Horton (Black Gold Group, LTD.; Nancy Nonemaker; Tammy Kay Boehm; Lisa Lee Ann Bowen; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Onward E. Burge Trust Dated June 21, 2010; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Sarah L. Burge Trust Dated June 21, 2010; John Noel Gallagher, a/k/a John Noll Gallagher; Jack R. Hammers; Paul F. Hammers; Janet Hinerman; Sharon Hinerman-Hall; Carol Derrow; Dalvin D. Horton; Teresa Lynn Lemley; Erica Mason; Kimela Ann Matthews; Dennis McFadden; Nancy McFadden Metheny; Susan D. Moore; Virginia Carol Riffle; Deborah Yoho Showalter; Brent Alan Snider; Bryan Snider; Julie Dawn Snider; Scott Eric Snider; Shirley Terek; Toni Jo Mason Living Trust; Berneda Ward; Joseph L. Watkins; WesBanco Trust & Investment Services, Trustee under the Stoy K. Whipkey and Twila O. Whipkey Trust Agreement dated August 25, 1999; Charlene Dee Wildman; Chalmer C. Yocum; James E. Yocum; Lindsay Noel Yocum; Paul F. Yocum; Quentin A. Yocum, Sr.; Thomas Leon Yocum; Bradley Scott Yoho; Clayton Garth Yoho; Darren Lee Yoho; Donna Yoho; Jeffery Jay Yoho; Kevin Mark Yoho)	45A/325
		Manufacturers Light and Heat Company	422/204
		Columbia Gas Transmission Corporation	642/281
		Columbia Natural Resources, LLC	650/63
		Chesapeake Appalachia, L.L.C.	33A/110
8	7-29-8.2	George N. Yoho, widower (Jack R. Hammers; Paul F. Hammers; Erica M. Mason; Toni Jo Mason Living Trust; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Onward E. Burge Trust Dated June 21, 2010; Onward E. Burge, Sarah Burge, and Stephen W. Burge, Trustees of the Sarah L. Burge Trust Dated June 21, 2010; WesBanco Trust & Investment Services, Trustee under the Stoy K. Whipkey and Twila O. Whipkey Trust Agreement dated August 25, 1999)	353/103
		Manufacturers Light and Heat Company	422/204
		Columbia Gas Transmission Corporation	642/281
		Columbia Natural Resources, LLC	650/63
		Chesapeake Appalachia, L.L.C.	33A/110

REVISIONS:

COMPANY:



OPERATOR'S DANIEL DURIG  
WELL #: 47-103-03334 201H

DATE: 09-09-2019

DISTRICT:  
CENTER

COUNTY:  
WETZEL

STATE:  
WV

DRAWN BY: N. MANO

SCALE: N/A

DRAWING NO:

WELL LOCATION PLAT 2