



320 O'Bryan Lane • Van Buren, AR 72956
Office: 479.474.7916 • Fax: 479.474.2450
Surveying • handa-inc.com

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 83°31'33" W	426.19'	SHL TO LANDMARK	1/2" IRON PIPE
L2	S 38°18'07" W	630.91'	SHL TO LANDMARK	CONCRETE MONUMENT
L3	N 26°26'24" E	251.24'	SHL TO REF. PNT.	5/8" REBAR SET
L4	S 02°15'09" E	13.71'	SHL TO REF. PNT.	WILLIAM RODGERS OHI 3H WELL HEAD (069-00094)

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L5	N 56°24'18" E	3360.97'		SHL TO LP
L6	N 23°30'33" W	7156.94'		LP TO BHL

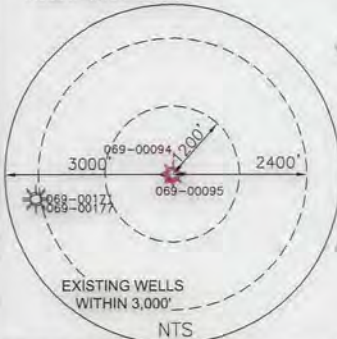
Latitude: 40°07'30"

Longitude: 80°30'00"

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	WILLIAM I. RODGERS & DOUGLAS WAYNE RODGERS (S/R)	3-L12-1	143.09
2	TUNNEL RIDGE LLC (S) LOIS MILLER (R) ALICE ANDERSON (R)	3-L12-4.6	60.00
3	RAYMOND MILLER C/O HILDA E. MILLER (S) HILDA E. MILLER (R)	3-L12-2	44.15
4	JEFFREY S. OCH & DANA R. OCH (S/R)	3-L9-18	49.80
5	THELMA A. MILLER LIFE ESTATE (S/R) CARL E. MILLER JR. REMAINDERMAN (S/R)	3-L9-15	54.91
6	THELMA A. MILLER LIFE ESTATE (S/R) CARL E. MILLER JR. REMAINDERMAN (S/R)	3-L9-15.3	42.83
7	THELMA A. MILLER LIFE ESTATE (S/R) CARL E. MILLER JR. REMAINDERMAN (S/R)	3-L9-15.4	60.91
8	DANIEL LEE HENRY & DIANE L. HENRY (S/R)	3-L9-6.5	30.28
9	JO ANN HENRY (S/R)	3-L9-6.7	2.99
10	MARK S. MIKESINOVICH (S/R)	3-L9-6.9	44.33
11	DAVID E. MCNABB & BRENDA L. MCNABB (S/R)	3-L9-6.8	15.66
12	RODNEY L. PLANTS & JESSICA L. PLANTS (S/R)	3-L9-2	112.08

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 OCCUPIED DWELLINGS AND AGRICULTURE BUILDINGS GREATER THAN 2500 SQ FT. 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, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,439,722.163 EASTING: 539,871.077
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,440,288.997 EASTING: 540,724.392
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,289.367 EASTING: 539,854.223

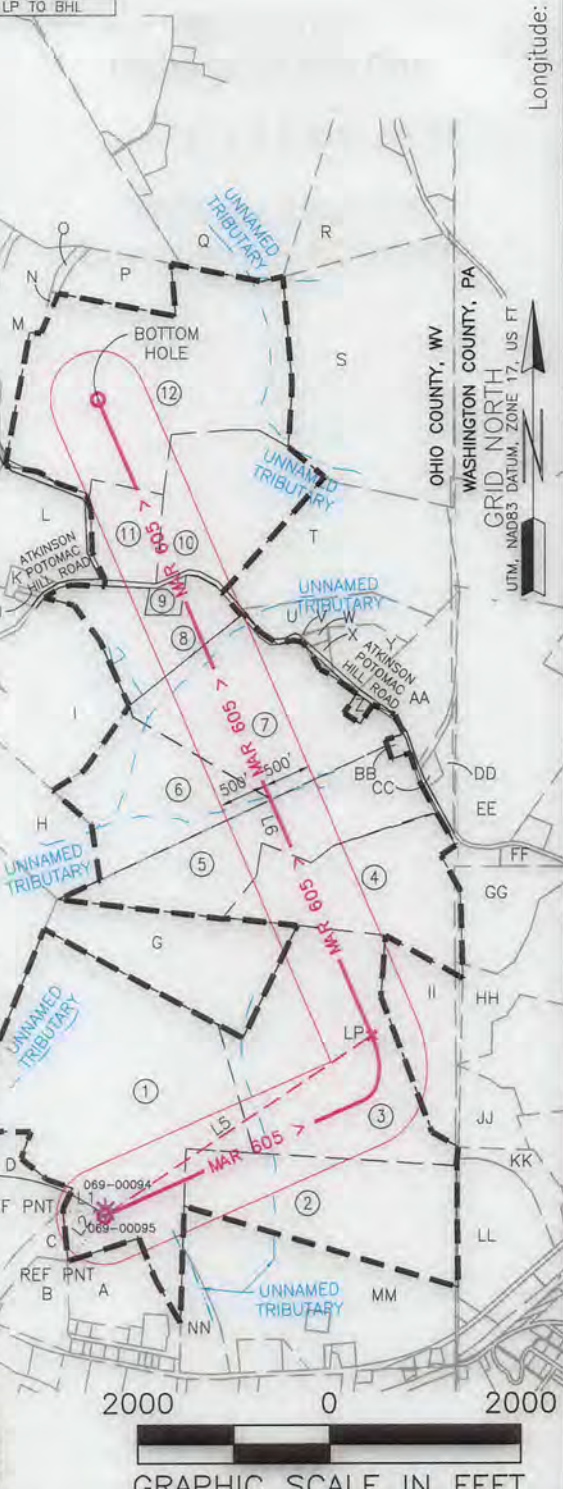
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2315

Samuel Earl Smith



SWN PRODUCTION COMPANY, LLC
"WILLIAM RODGERS OHI 605H"
SURFACE HOLE
ELEV: 1280.0'



GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	WILLIAM RODGERS OHI
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 605H API WELL #: 47 STATE 69 COUNTY 00202 H6A PERMIT

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

WATERSHED: WHEELING CREEK ELEVATION: 1280.0'

DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV

SURFACE OWNER: WILLIAM I. RODGERS & DOUGLAS W. RODGERS ACREAGE: ±143.09

OIL & GAS ROYALTY OWNER: WILLIAM I. RODGERS & DOUGLAS W. RODGERS ACREAGE: ±143.09

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

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) **6557**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: ~~6,576~~ **15,064** TMD

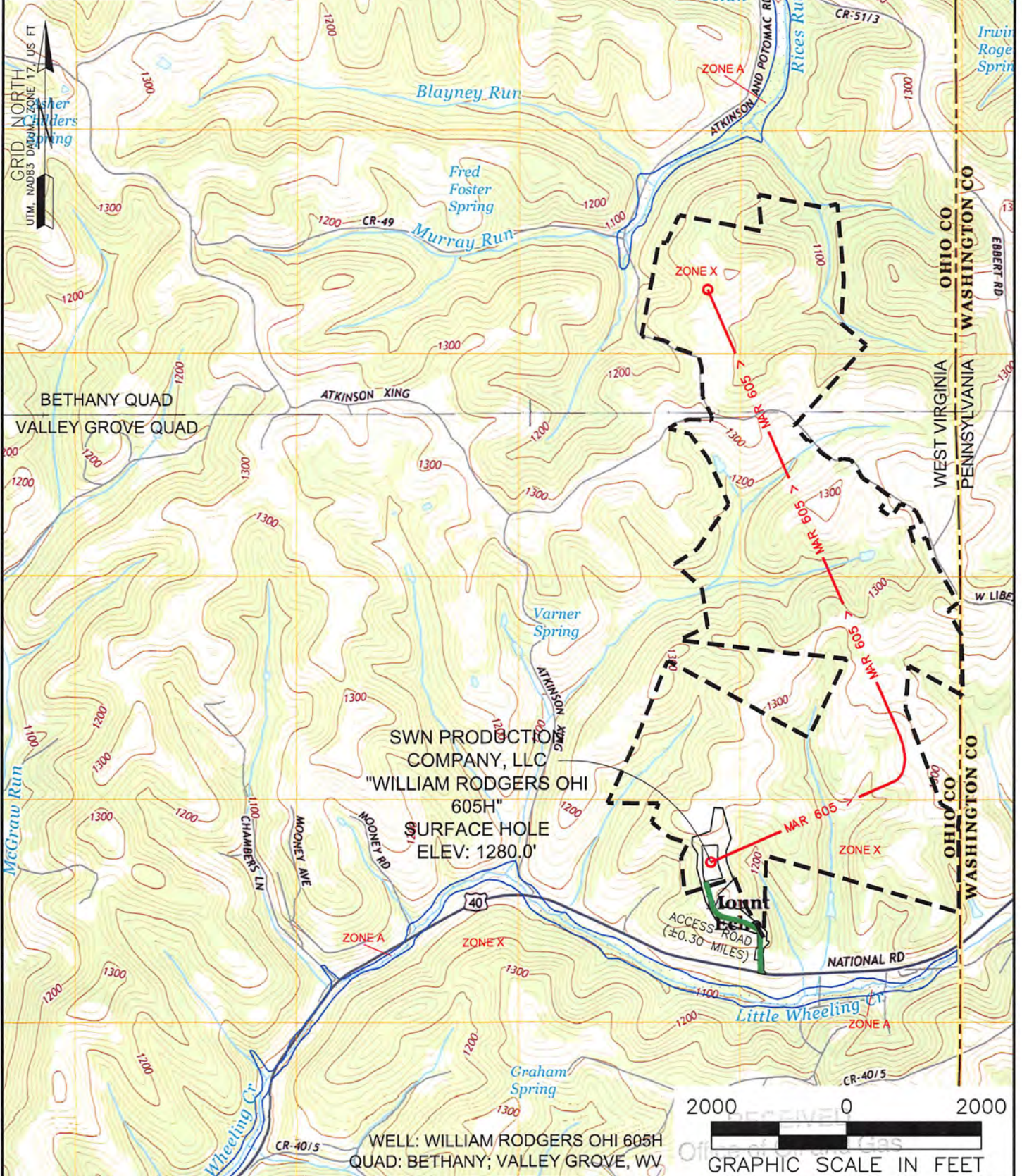
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: DEE SOUTHALL
ADDRESS: P.O. BOX 1300	ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378	CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	△ UPDATED DIRECTIONAL PATH 08-18-2015	09-24-2015
⊙ EXISTING / PRODUCING WELLHEAD	△ REVISED 08-21-2015	
⊗ ABANDONED WELL	△ ADDED ADJACENT PARCEL OWNERS, TAX MAP	DRAWN BY: C. BROWN
⊗ PLUGGED & ABANDONED WELL	PARCEL NUMBER, & ACREAGE, 09-21-2015	SCALE: 1" = 2000'
△ CUT CONDUCTOR		DRAWING NO: 59096
		WELL LOCATION PLAT

69-00200

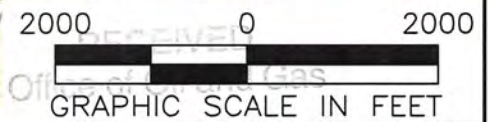


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SWN PRODUCTION COMPANY, LLC
"WILLIAM RODGERS OHI 605H"
SURFACE HOLE
ELEV: 1280.0'

WELL: WILLIAM RODGERS OHI 605H
QUAD: BETHANY; VALLEY GROVE, WV



NAME AND DISTANCE TO THE NEAREST STREAM: UNNAMED TRIBUTARY OF LITTLE WHEELING CREEK ±0.14 MILES SOUTHEAST OF THE CENTER OF THE DRILL PAD.		STREAM CROSSING COORDINATES (NAD 83): NO NEW CROSSINGS.	COMPANY: SWN Production Company, LLC	OCT 2015 SWN Production Company™
WELL RESTRICTIONS: 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			OPERATOR'S WILLIAM RODGERS OHI	WELL #: 605H
FEMA FLOOD INFORMATION: BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF OHIO COUNTY, WEST VIRGINIA; MAP NUMBER 54069C0085D & 54069C0045D; EFFECTIVE DATE: JULY 17, 2006.			LOCATION: LIBERTY DISTRICT, OHIO COUNTY, WEST VIRGINIA	SURFACE HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.106856° LONGITUDE: -80.532176°
LEGEND: ● PROPOSED SURFACE HOLE / BOTTOM HOLE ⊙ EXISTING / PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊗ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR			BOTTOM HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.129986° LONGITUDE: -80.532215°	11/13/2015
(S) EXISTING SPRING (W) EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD		REVISIONS: △ UPDATED DIRECTIONAL PATH 08-18-2015 △ REVISED 08-21-2015 △ ADDED ADJACENT PARCEL OWNERS, TAX MAP PARCEL NUMBER, & ACREAGE, 09-21-2015	DATE: 09-24-2015	DRAWN BY: C. BROWN SCALE: 1" = 2000' DRAWING NO: 59096 TOPOGRAPHIC MAP