



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 89°09'37" W	421.06'	SHL TO LANDMARK	1/2" IRON PIPE
L2	S 35°53'26" W	662.84'	SHL TO LANDMARK	CONCRETE MONUMENT
L3	N 31°59'00" E	215.85'	SHL TO REF. PNT.	5/8" REBAR SET
L4	S 03°05'11" E	55.66'	SHL TO REF. PNT.	WILLIAM RODGERS OHI 3H WELL HEAD (069-00094)

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L5	N 38°06'56" E	1205.42'		SHL TO LP
L6	N 23°15'31" W	8053.66'		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/R)	3-L12-4,6	60.00
3	JEFFREY S. OCH & DANA R. OCH (S) HILDA E. MILLER (R)	3-L12-2,1	44.15
4	THELMA A. MILLER LIFE ESTATE - CARL E. MILLER, JR. REMAINDERMAN (S/R)	3-L9-15	54.91
5	LARRY GENE BALL & WILLIAM HUGH BALL (S) LARRY GENE BALL (R) WILLIAM HUGH BALL (R)	3-L9-11	54.91
6	WILLIAM E. NOBLE & DAWN BALTICH (S/R)	3-L9-14	47.28
7	CHARLES P. SMITH & DORIS E. SMITH (S/R)	3-L9-10	3.62
8	LARRY GENE BALL (S/R)	3-L8-42	51.77
9	NANCY C. REASS (S/R)	3-L9-1	173.91

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):	
GEOGRAPHIC (NAD83):	LONGITUDE: -80.532184'
UTM (NAD83, ZONE 17, FEET):	EASTING: 1,771,224.567
UTM (NAD83, ZONE 17, METERS):	EASTING: 539,870.328
LANDING POINT LOCATION (LPL):	
GEOGRAPHIC (NAD83):	LONGITUDE: -80.529505'
UTM (NAD83, ZONE 17, FEET):	EASTING: 1,771,968.610
UTM (NAD83, ZONE 17, METERS):	EASTING: 540,097.113
BOTTOM HOLE LOCATION (BHL):	
GEOGRAPHIC (NAD83):	LONGITUDE: -80.540742'
UTM (NAD83, ZONE 17, FEET):	EASTING: 1,768,788.380
UTM (NAD83, ZONE 17, METERS):	EASTING: 539,127.776



SWN PRODUCTION COMPANY, LLC
"WILLIAM RODGERS OHI 5H"
SURFACE HOLE
ELEV: 1279.8'



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

	(+) 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 GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: 5H
		API WELL #:	47 69 00200H, A

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

WATERSHED: WHEELING CREEK ELEVATION: 1279.8'

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

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

OIL & GAS ROYALTY OWNER: WILLIAM I. RODGERS & DOUGLAS WAYNE 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)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,547' TVD 15,070' IMD

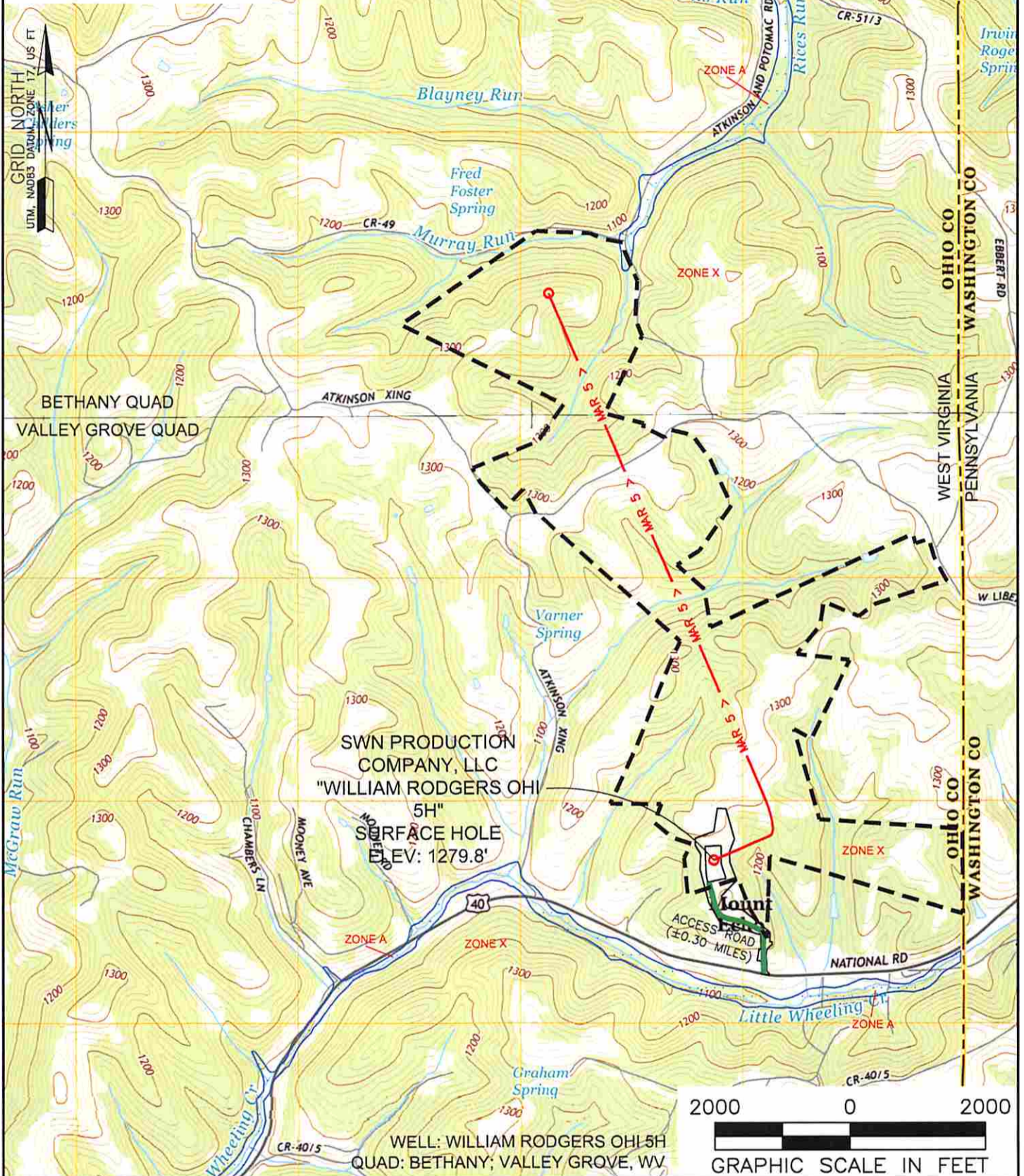
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: DEE SOUTHALL
ADDRESS: P.O. BOX 1300	ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378	CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	△ UPDATED DIRECTIONAL PATH 08-18-2015	06-04-2015
⊗ EXISTING / PRODUCING WELLHEAD	△ REVISED TVD 08-21-2015	
⊘ ABANDONED WELL		
⊗ PLUGGED & ABANDONED WELL		
△ CUT CONDUCTOR		
--- LEASE BOUNDARY		
--- 500' DHP BUFFER		
- MAR 1 > - MARCELLUS DHP		
--- ABANDONED PATH		
		DRAWN BY: M. PATRICK
		SCALE: 1" = 2000'
		DRAWING NO: 59053
		WELL LOCATION PLAT

06900200



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



WELL: WILLIAM RODGERS OHI 5H
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: 	
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 #: 5H	
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: 40.106971' LONGITUDE: -80.532184'	
LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ✱ EXISTING / PRODUCING WELLHEAD ✱ ABANDONED WELL ✱ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR		● EXISTING SPRING ● EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD		BOTTOM HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.129929' LONGITUDE: -80.540742'	
REVISIONS: ▲ UPDATED DIRECTIONAL PATH 08-18-2015 ▲ REVISED TVD 08-21-2015		DATE: 06-04-2015		DRAWN BY: M. PATRICK SCALE: 1" = 2000' DRAWING NO: 59053 TOPOGRAPHIC MAP	