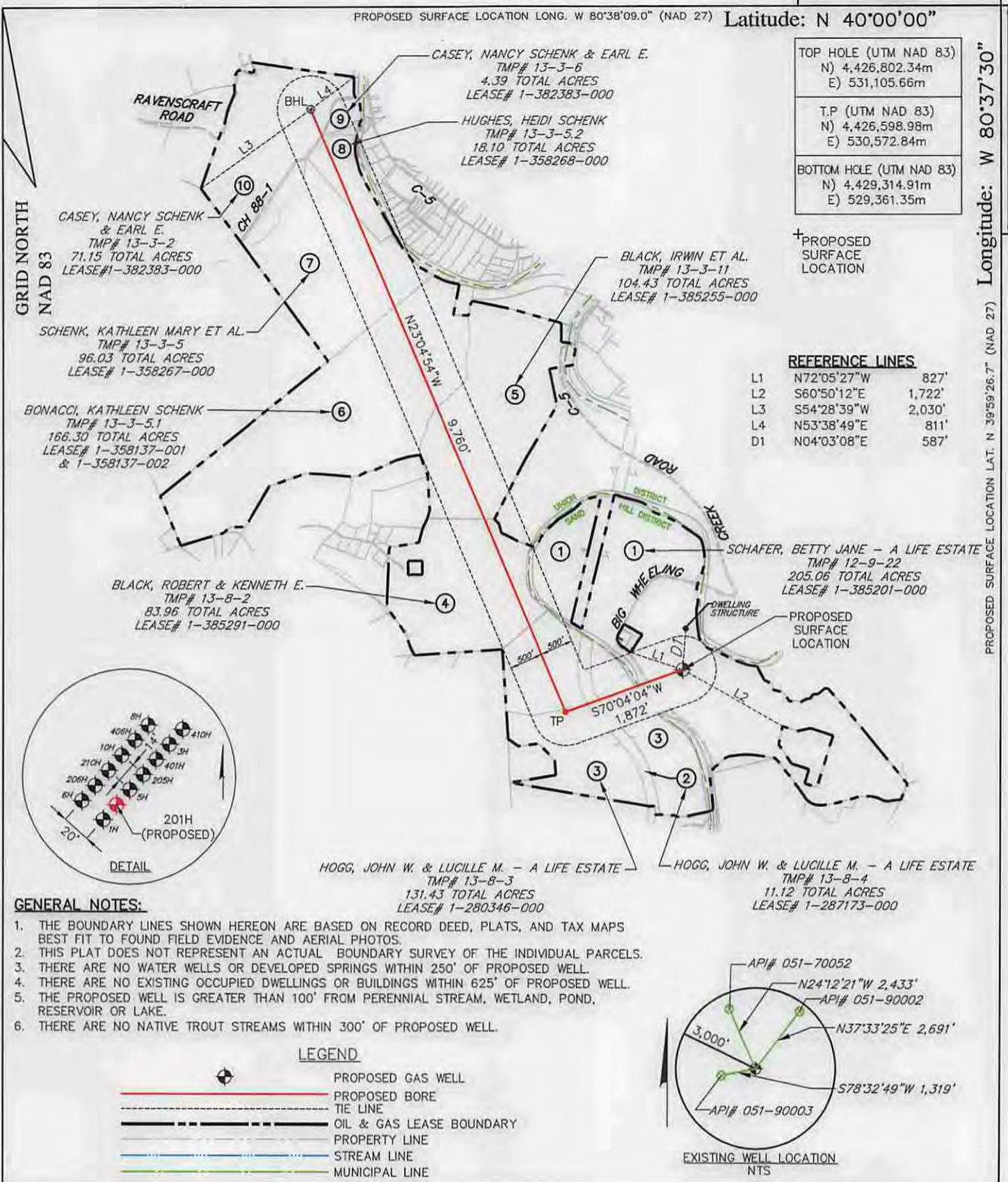


TOP HOLE (UTM NAD 83)	N) 4,426,802.34m
	E) 531,105.66m
T.P (UTM NAD 83)	N) 4,426,598.98m
	E) 530,572.84m
BOTTOM HOLE (UTM NAD 83)	N) 4,429,314.91m
	E) 529,361.35m

+ PROPOSED SURFACE LOCATION

REFERENCE LINES

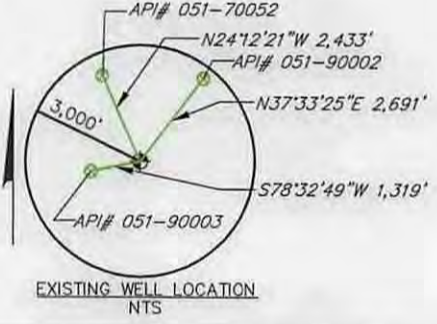
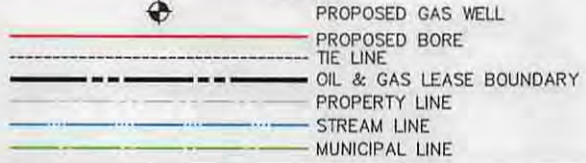
L1	N72°05'27"W	827'
L2	S60°50'12"E	1,722'
L3	S54°28'39"W	2,030'
L4	N53°38'49"E	811'
D1	N04°03'08"E	587'



GENERAL NOTES:

1. THE BOUNDARY LINES SHOWN HEREON ARE BASED ON RECORD DEED, PLATS, AND TAX MAPS BEST FIT TO FOUND FIELD EVIDENCE AND AERIAL PHOTOS.
2. THIS PLAT DOES NOT REPRESENT AN ACTUAL BOUNDARY SURVEY OF THE INDIVIDUAL PARCELS.
3. THERE ARE NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF PROPOSED WELL.
4. THERE ARE NO EXISTING OCCUPIED DWELLINGS OR BUILDINGS WITHIN 625' OF PROPOSED WELL.
5. THE PROPOSED WELL IS GREATER THAN 100' FROM PERENNIAL STREAM, WETLAND, POND, RESERVOIR OR LAKE.
6. THERE ARE NO NATIVE TROUT STREAMS WITHIN 300' OF PROPOSED WELL.

LEGEND



FILE #: 085416643

DRAWING #: 085416643\_Well Plat

SCALE: 1" = 2,000'

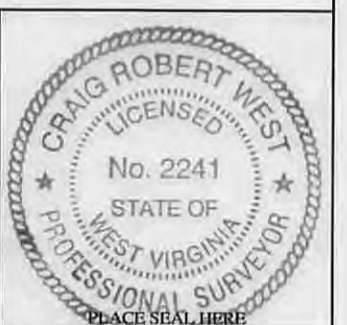
MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING SURVEY GPS

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 THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

SIGNED: Craig Robert West

R.P.E.: \_\_\_\_\_ L.L.S.: 2241



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304

DATE: May 06, 2015

OPERATOR'S WELL #: BETTY SCHAFER MSH 201H

API WELL #: 47 051 01776146A

STATE COUNTY PERMIT

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

WATERSHED: MIDDLE OHIO NORTH ELEVATION: 849'

COUNTY/DISTRICT: MARSHALL / SAND HILL QUADRANGLE: MOUNDSVILLE, WV-OHIO

SURFACE OWNER: BETTY JANE SCHAFER - LIFE ESTATE ACREAGE: 205±

OIL & GAS ROYALTY OWNER: BETTY JANE SCHAFER - LIFE ESTATE ACREAGE: 205±

CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PERFORATE NEW FORMATION  PLUG & ABANDON

DRILL  PLUG OFF OLD FORMATION  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,000 TVD / 16,774 TMD

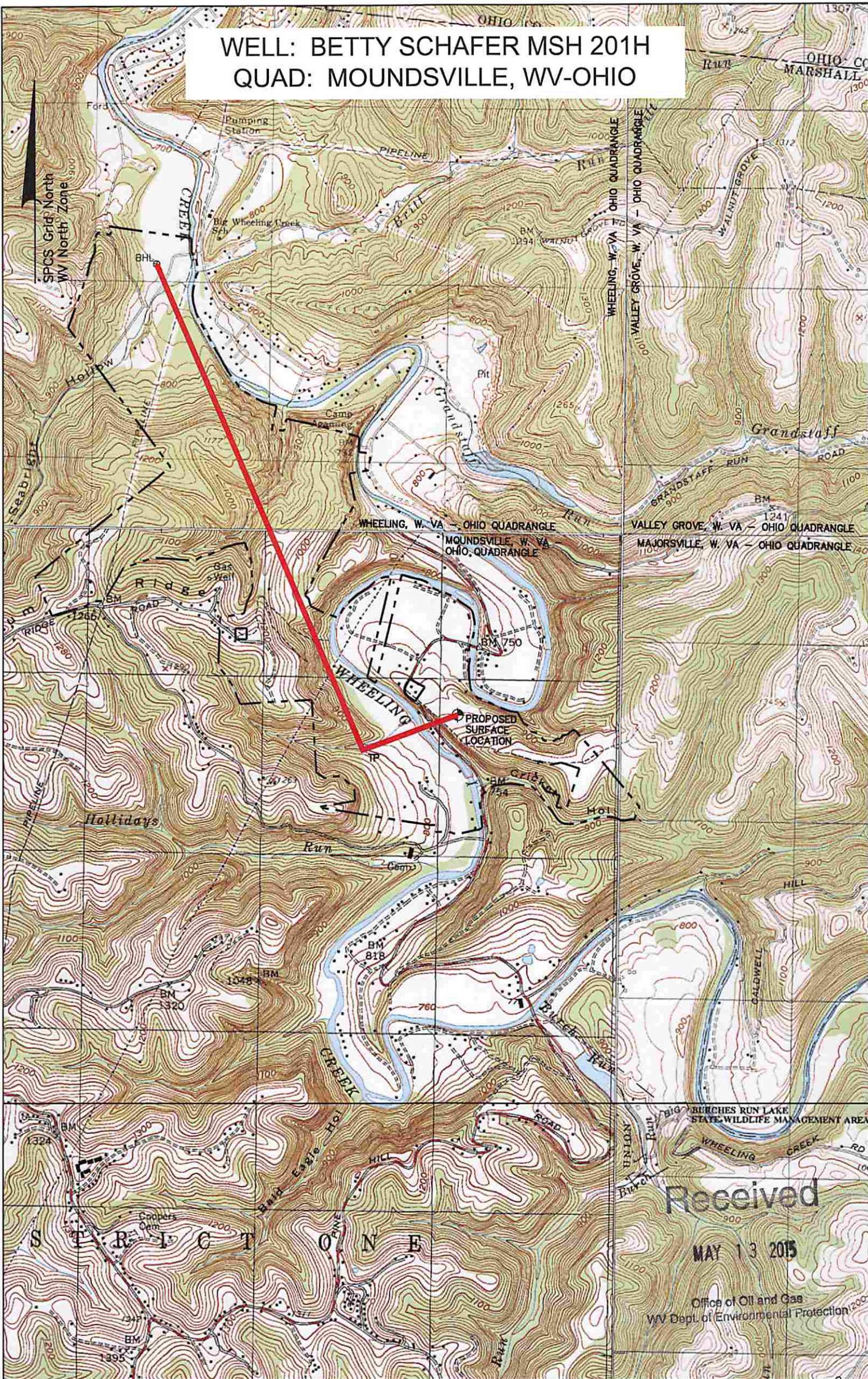
WELL OPERATOR: SWN PRODUCTION CO., LLC DESIGNATED AGENT: DEE SOUTHALL

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

05/15/2015

**WELL: BETTY SCHAFER MSH 201H**  
**QUAD: MOUNDSVILLE, WV-OHIO**



Received

MAY 13 2015

Office of Oil and Gas  
 WV Dept. of Environmental Protection

Applicant / Well Operator Name SWN PRODUCTION CO., LLC	Well(Farm) Name BETTY SCHAFER MSH	Well # 201H	Serial #
Address PO BOX 1300 JANE LEW, WV 26378	County - Code MARSHALL - 051	District SAND HILL	
Surface Landowner / Lessor SCHAFER, BETTY JANE - LIFE ESTATE	USGS 71/2 Quadrangle Map Name MOUNDSVILLE, WV-OHIO		

05/15/2015