

LATITUDE: 39°47'30"

SURFACE HOLE 7,527'

LATITUDE: 39°50'00" BOTTOM HOLE 833'



L1	S 69°27' W	783.13'	SHL TO MONUMENT	STONE MONUMENT
L2	N 44°43'35" E	1163.40'	SHL TO MONUMENT	STONE MONUMENT
L3	N 58°47'03" E	2844.76'	SHL TO LPL	SHL TO LPL

SURVEYOR/ENGINEER: 1-304-933-3483
1700 ANMOORE RD,
BRIDGEPORT, WV 26330

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,404,239.147
EASTING: 536,950.241

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,404,688.526
EASTING: 537,691.791

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,408,337.752
EASTING: 535,403.525

1	JOHN C. RICHARDS, et ux (S) / AMP IV, LP; CYNTHIA SUE DAVIS; FRANK D. ROBINSON; JENNIE ROBINSON (R)	7-11-13
2	O'NEIL GARRETT D & AMY L	7-12-7
3	REID JAMES L & SHERRY L	7-12-1
4	GARY R BILOTTO ET AL	7-6-27
5	STEWART KIMBERLY A	7-6-21
6	O'NEIL DENNIS G ET UX	7-6-26
7	O'NEIL DENNIS G ET UX	7-6-22
8	SCHWERTFESER TODD J & JENNIFER ET AL	7-6-23
9	SHEPHERD WILLIAM H & JERRY L - TODD	7-3-11
10	EAKIN RICHARD T & KIMBERLY A STEWART	7-3-4
11	EAKIN RICHARD T & KIMBERLY A STEWART	7-3-5
12	CLARK LARRY L & WENDY S	7-3-6
13	CLARK LARRY L & WENDY S	7-3-6.1
14	STERN MICHAEL B & AMY L	7-3-1
15	STERN MICHAEL B & AMY L	3-17-20
16	FRYE MARK H	3-18-27
17	FRYE MARK H	3-17-1
18	BOYD MELVIN DEAN	3-18-26

WELL RESTRICTIONS

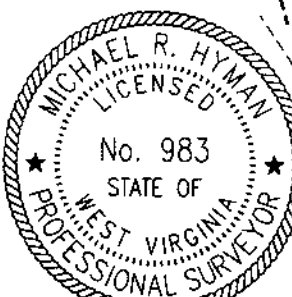
- NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS 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.

NOTES ON SURVEY

- TIES TO WELLS AND CORNERS ARE BASED ON UTM, NAD83 DATUM, ZONE 17, US FT.
- WELL LAT./LONG ESTABLISHED BY DIRECT GPS NAD '83.
- BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
- SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF OHIO COUNTY IN OCTOBER OF 2021.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

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.

Michael R. Hyman



COMPANY: **SWN** Production Company, LLC

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)

SONIA R MSH
OPERATOR'S WELL #: 405H
API WELL #: 47 51
STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: UPPER OHIO-WHEELING
DISTRICT: LIBERTY COUNTY: MARSHALL
SURFACE OWNER: JOHN C. RICHARDS, et ux
OIL & GAS ROYALTY OWNER: AMP IV, LP; CYNTHIA SUE DAVIS; FRANK D. ROBINSON; JENNIE ROBINSON
DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) xxxxxxx
TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: 7,483 TO 72,655 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
DESIGNATED AGENT: BRITANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:
● PROPOSED SURFACE HOLE / BOTTOM HOLE
* EXISTING / PRODUCING WELLHEAD
⊙ EXISTING WATER WELL
⊕ EXISTING SPRING
— SURVEY BOUNDARY
- - - DRILLING UNIT
= = = LEASE BOUNDARY
- - - PROPOSED PATH
REVISIONS:
DATE: 12/20/2022
FILE NO:
DRAWN BY: TMF
SCALE: 1" = 2500'
DRAWING NO: ACE-2257
WELL LOCATION PLAT



SURVEYOR/ENGINEER: 1-304-933-3463
 2381 DAVISON RUN ROAD, SUITE 103
 CLARKSBURG, WV 26301

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	KIRKENDALL SAMUEL D & CHRISTINE	7-12-8
B	MCCOMBS DOUGLAS R & REBECCA J	7-11-19
C	MACKEY ROY A ET AL	7-11-14
D	BAKER MARK ALLEN	7-11-15.2
E	MCCURDY TIMOTHY S	7-11-12
F	CUMPSTON KEITH D & SANDRA S	7-6-20
G	REID BARBARA J & SANDRA CUMPSTON	7-6-19
H	MARSHALL COUNTY COAL COMPANY	7-6-18.1
I	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-18
J	MURFIN ROBIN E	7-6-17
K	SCHOENE MICHAEL	7-3-3
L	SCHOENE MICHAEL	7-6-17
M	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	7-2-29
N	MARSHALL COUNTY COAL RESOURCES INC	7-2-29.1
O	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	7-2-29.2
P	STERN MICHAEL B & AMY L	7-2-28
Q	BONGIORNO DAVID CURTIS	7-2-27
R	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-2-27.2
S	BAMDIC KENNETH L	7-2-27.5
T	CECIL GATHA M	3-18-22.1
U	EVANS GENE & RUTH ESTS	3-18-22
V	BRIGGS H DONALD IRREVOCABLE TRUST	3-18-29
W	BRIGGS HENRY DONALD IRREVOCABLE TRUST	3-18-30
X	BIERER DANIEL R	3-18-31
Y	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	3-18-24
Z	CROFT THOMAS LEE JR & SAMANTHA DON	3-18-25
A1	FRYE MARK H	2-1-156
B2	FRYE MARK H	2-1-155
C3	FRYE MARK H	2-1-137
D4	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	3-17A-7
E5	CNX LAND LLC	3-17A-8
F6	GALL EDNA S FRANK P LAUTER	3-17A-9
G7	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	3-17A-10
H8	SCOTT GABRIEL O & BETHANY D	3-17-20.1
I9	CHAMBERS FRANCIS ET AL	3-17-21
J10	DOTY RICK A & CATHY	3-17-22
K11	DOTY RICK A & CATHY	3-17-22.1
L12	MARSHALL COUNTY COAL RESOURCES INC	3-17-23
M13	CLARK CHRISTOPHER SCOTT	3-17-25
N14	DOBBS DON BURDELL ET UX	3-17-32

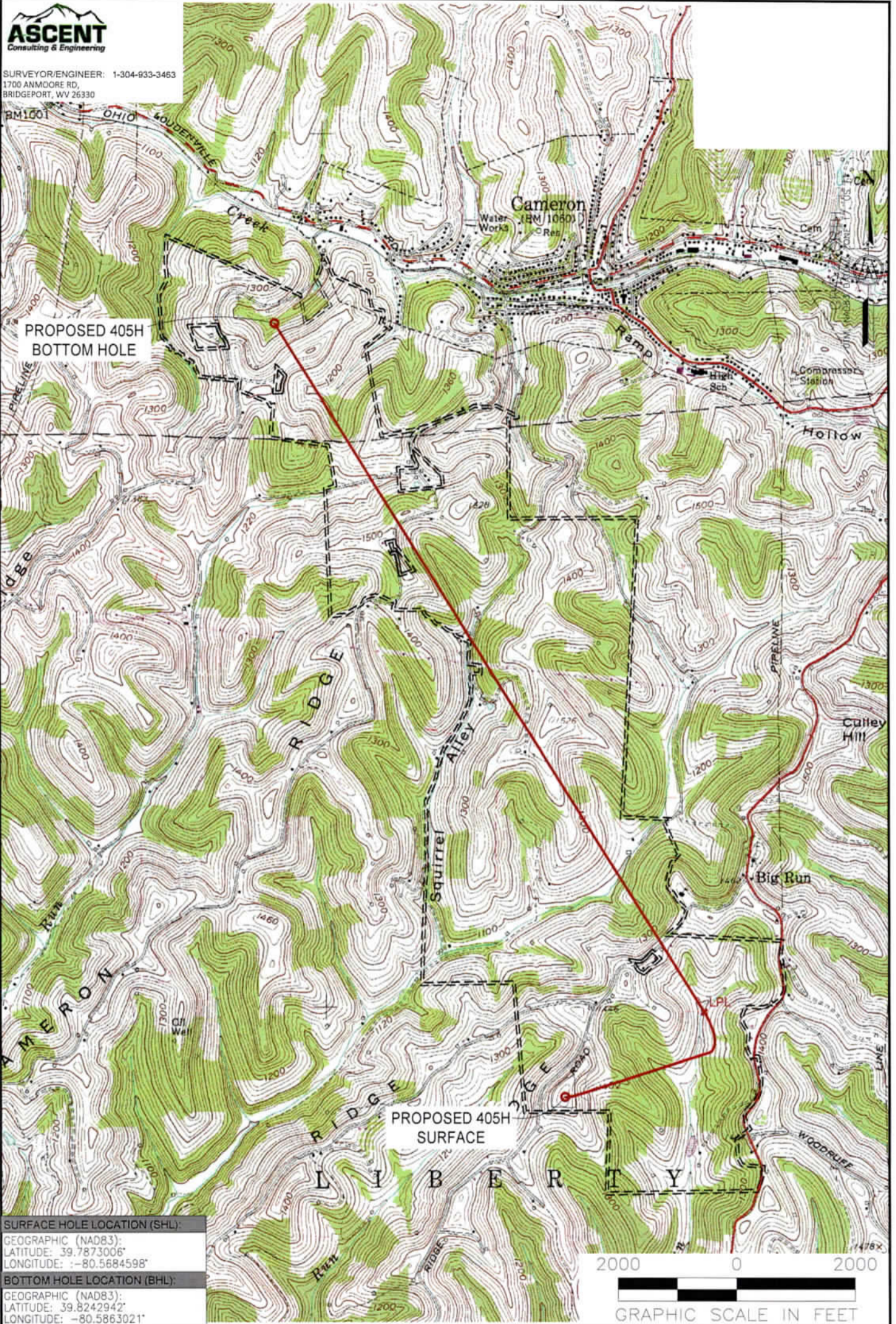
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
O15	DUFFORD WILLIAM E ET UX	3-17-33
P16	DOBBS DONALD B ET UX	7-3-7
Q17	CUNNINGHAM DALLAS LYNN	7-3-9
R18	MARSHALL COUNTY COAL RESOURCES INC	7-3-9.4
S19	MARSHALL COUNTY COAL COMPANY	7-3-10.1
T20	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-3-10
U21	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-3-13
V22	NEELY ROBERT S ET UX	7-3-12
W23	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-24
X24	PETTIT JEFFERY M	7-6-25
Y25	MATHEWS ALEX C ET AL	7-5-2
Z26	BOARD OF EDUCATION	7-6-28
A27	BIG RUN CHRISTIAN CHURCH TR	7-5-6
B28	PETTIT THOMAS R & LILA	7-5-6.3
C29	PETTIT THOMAS R ET UX	7-5-6.1
D30	CHAMBERS JOHN W	7-12-3
E31	MIDCAP LESLIE J & VIRGINIA M	7-12-2.1
F32	CHAMBERS LAWRENCE D & JOHN W	7-12-2
G33	ROHM GREG R	7-12-4.3
H34	ROHM GREG R	7-12-4.1
I35	MIDCAP LESLIE ET UX	7-12-4
J36	FOX MARGARET O - TOD	7-12-1.4
K37	DARMAFALL JOSEPH W III & CHELSIE J	7-12-1.6
L38	DARMAFALL JOSEPH W III & CHELSIE J	7-12-1.5
M39	DARMAFALL JOSEPH W III & CHELSIE J	7-12-1.3
N40	LOGSDON TERRY & DONNA	7-12-1.1
O41	YEATER JARED P & TERESA	7-12-6
P42	CUMPSTON SANDRA & KEITH IRREVOCABLE TRUST	7-12-5.1
Q43	CUMPSTON SANDRA & KEITH IRREVOCABLE TRUST	7-12-5
R44	EARNEST LLOYD & DONNA FAMILY TRUST	7-12-10.2
S45	TEDROW ROBERT A & ROSE M	7-12-7.1
T46	SCHERRICK KEITH A ET UX	7-12-7.2
U47	EARNEST LLOYD & DONNA FAMILY TRUST	7-12-10
V48	REID JAMES LAWRENCE ET UX	7-12-1.2
W49	STERN GARY ET UX	7-3-2
X50	STERN GARY ET UX	7-2-30
Y51	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-6-23.1
Z52	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	7-3-6.2
A53	ROUPE SHARON D	7-3-1.1
B54	CHAPLIN MANDI K & KEVIN	7-3-1.2
C55	FRYE MARK H	3-18-27.1
D56	BOYD SR WILLIAM H	3-18-26.1

03/03/2023

REVISIONS:	COMPANY:			
	OPERATOR'S		SCNIA R MSH	
	WELL #:		405H	
	DISTRICT:	COUNTY:	STATE:	DATE: 12/20/2022
	LIBERTY	MARSHALL	WV	DRAWN BY: TMF
				SCALE: N/A
				DRAWING NO: ACE-2257
				WELL LOCATION PLAT



SURVEYOR/ENGINEER: 1-304-633-3463
 1700 ANMOORE RD.
 BRIDGEPORT, WV 26330



SURFACE HOLE LOCATION (SHL):
 GEOGRAPHIC (NAD83):
 LATITUDE: 39.7873006°
 LONGITUDE: -80.5684598°

BOTTOM HOLE LOCATION (BHL):
 GEOGRAPHIC (NAD83):
 LATITUDE: 39.8242942°
 LONGITUDE: -80.5863021°

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.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- FLOOD PLAN
- ACCESS ROAD
- - - ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

03/03/2023

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: SONIA R MSH	WELL # 405H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	COUNTY - CODE MARSHALL - 25	DISTRICT: LIBERTY	
SURFACE OWNER: JOHN C. RICHARDS, et ux	USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV		