

SURFACE HOLE 1,455' 3186'

Latitude: 40°07'30" BOTTOM HOLE

JACKSON SURVEYING

INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

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

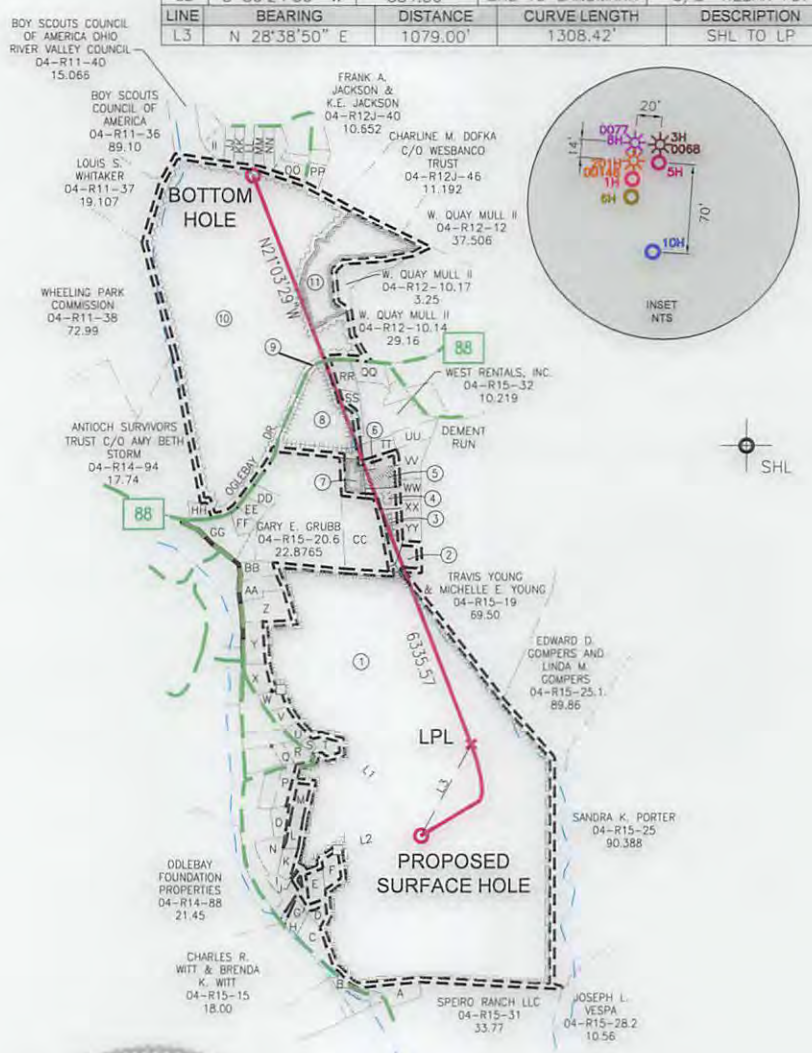
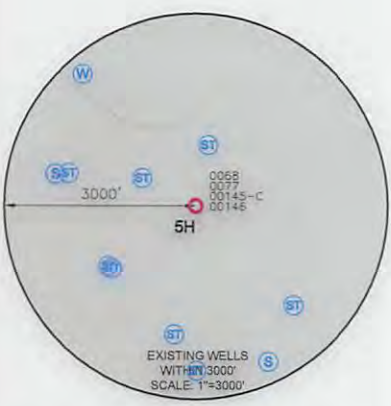
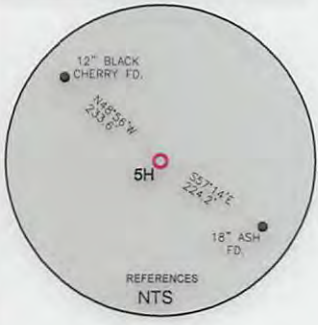
WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	EDWARD NICHOLS & JUDITH NICHOLS (S/R)	04-R15-16	240.064
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	RONALD WILLIAM KASSEEMAN & ELIZABETH A. KASSEEMAN (S)	04-R15-32.10	1.932
3	JOSHUA CONTRAGUERRO (S)	04-R15-32.16	2.645
4	WEST RENTAL INC. (S)	04-R15-32	10.219
5	CLINT SHEPARD & STACEY BUTCH (S)	04-R15-32.11	1.774
6	JOHN D. EDGMON & DIANA K. EDGMAN (S)	04-R15-32.17	1.246
7	GARY E. GRUBB (S)	04-R15-20.7	2.271
8	GARY E. GRUBB (S)	04-R15-20.4	14.80
9	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION(S)	WV STATE ROUTE 88	
10	OGLEBAY FOUNDATION INC. (S)	04-R12-10.2	114.3
11	WEST RENTALS INC. (S)	04-R12-10.16	15.47

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 44°07'09" W	2104.80'	SHL TO LANDMARK	2" IRON PIPE FD.
L2	S 80°24'30" W	884.50'	SHL TO LANDMARK	5/8" REBAR FD.
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 28°38'50" E	1079.00'	1308.42'	SHL TO LP

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,439,032.916
EASTING: 531,519.286

LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,439,321.538
EASTING: 531,676.956

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,441,123.660
EASTING: 530,983.093



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.
- 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

- 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.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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 Jackson



COMPANY: **SWN** Production Company, LLC

(+) 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)

EDWARDS NICHOLS OHI

OPERATOR'S WELL #: 5H

API WELL #: 47 STATE 069 COUNTY 00217 PERMIT

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

WATERSHED: PETERS RUN OF LITTLE WHEELING CREEK ELEVATION: 1310.0'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: WHEELING, WV

SURFACE OWNER: EDWARD NICHOLS & JUDITH NICHOLS ACREAGE: ±240.064

OIL & GAS ROYALTY OWNER: EDWARD NICHOLS & JUDITH NICHOLS ACREAGE: ±240.064

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: 6,218 TVD 12,995 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	— SURVEYED BOUNDARY	12-22-2016
★ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL* LANDING POINT LOCATION	== LEASE BOUNDARY	
W EXISTING WATER WELL	— PROPOSED PATH	
S EXISTING SPRING		
		DRAWN BY: N. MANO
		SCALE: 1" = 2000'
		DRAWING NO:
		WELL LOCATION PLAT

**JACKSON SURVEYING
INC.**

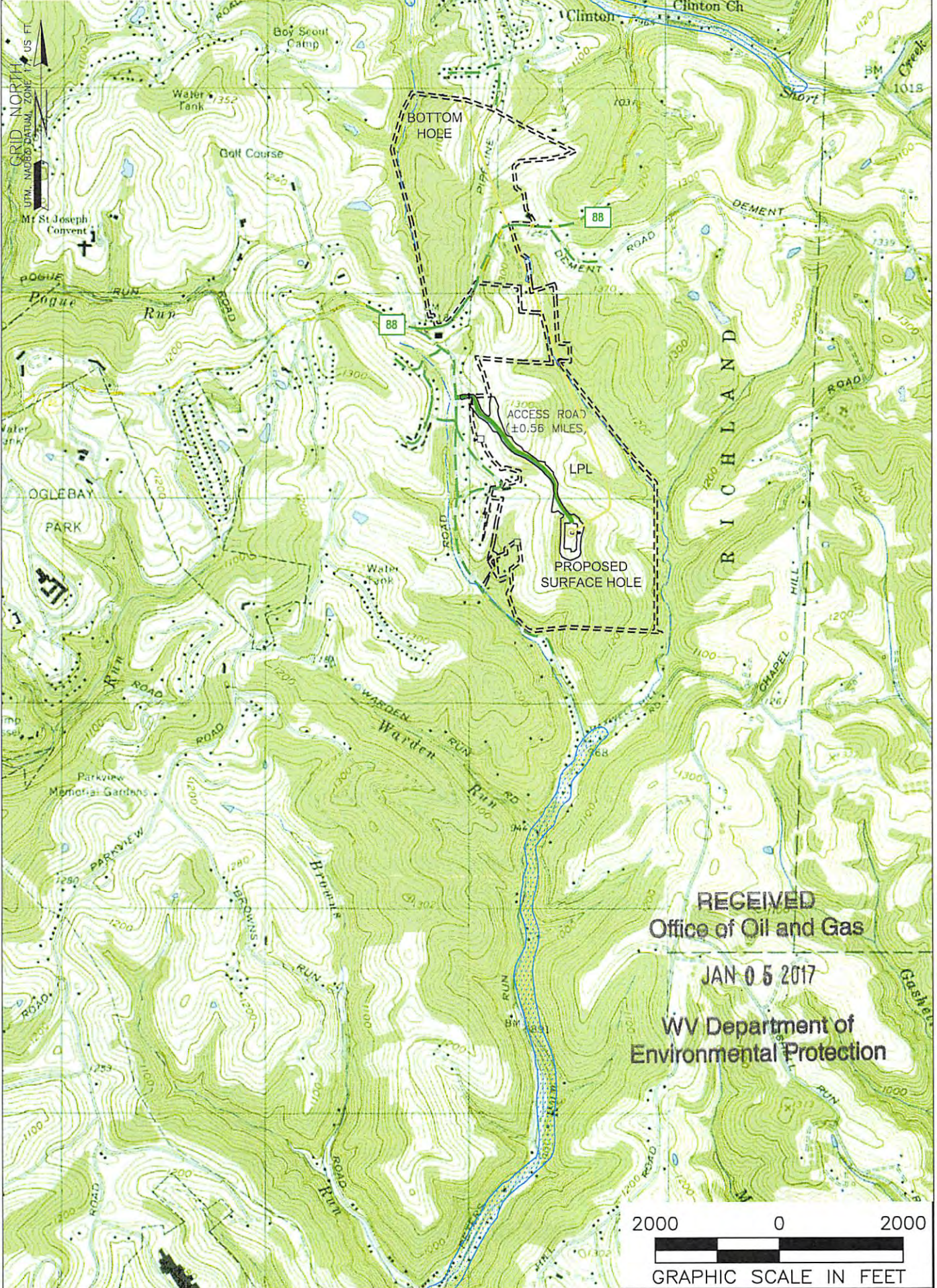
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304-623-5851

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	CRAIG E. STEPHAN & JENNIFER L. GILES	04-R15-10	1.74
B	LARRY TRANK & PATRICIA TRANK	04-R15-16.17	0.62
C	VENEIDA K. BAKER	04-R15-16.15	2.16
D	VENEIDA K. BAKER	04-R15-16.28	0.576
E	CHRISTOPHER J. NORMAN	04-R15-16.25	1.21
F	CHRISTOPHER J. NORMAN	04-R15-16.29	1.21
G	VENEIDA K. BAKER	04-R15-16.30	0.232
H	VENEIDA K. BAKER	04-R15-16.16	1.09
I	JEFFREY W. PFISTER & JENNIFER J. PFISTER	04-R15-16.33	1.36
J	JEFFREY W. PFISTER & JENNIFER J. PFISTER	04-R15-16.34	0.0419
K	RICHARD L. BRAK	04-R15-16.21	1.173
L	CECIL CHIPLINSKI & TAMMY K. CHIPLINSKI	04-R15-16.23	1.023
M	PATTY M. JEWETT & JAMES A. JEWETT	04-R15-16.24	1.01
N	LESLIE DAVID LEWIS	04-R15-16.22	1.484
O	GREGORY FUNARI & DEANNA L. FUNARI	04-R15-16.20	1.000
P	OLDGA V. RINE & DENISE E. RINE	04-R15-16.4	1.049
Q	CHARLES L. HODGSON & K.P. HODGSON	04-R15-16.3	0.766
R	EDWARD E. NICHOLS & MARJORIE C. NICHOLS	04-R15-16.18	1.91
S	EDWARD J. NICHOLS, MAJORIE C. NICHOLS & JUDY C. NICHOLS	04-R15-16.31	0.192
T	JUDITH C. NICHOLS	04-R15-16.32	0.953
U	EDWARD E. NICHOLS, MAJORIE C. NICHOLS & JUDY C. NICHOLS	04-R15-16.19	0.219
V	LAWRENCE D. BOLE & J.L. BOLE	04-R15-16.14	0.772
W	LAWRENCE R. DIXON & JAMES M. DIXON	04-R15-16.7	0.875
X	ANDREW S. GAUDINO	04-R15-18	1.37
Y	TAMILA LYNN WADE C/O TAMILA L. HIGLEY	04-R15-16.10	2.73
Z	BOARD OF COMMISSION OHIO COUNTY	04-R15-16.11	3.090
AA	LINDA H. ROSS	04-R15-16.12	1.62
BB	HAROLD L. PICKENS & DEBORAH A. MCCLELLAND	04-R15-16.13	1.59
CC	M & J CONSTRUCTION	04-R15-32.18	1.50
DD	PHILIP M. JACKSON	04-R14-30.1	0.95
EE	JEFFREY RUTHERFORD & BRIDGET RUTHERFORD	04-R14-30.2	1.00
FF	ROBERT W. MINCH III & M.J. MINCH	04-R14-30.3	1.05
GG	GENE C. VALENTINE TRUSTEE	04-R14-30	2.88
HH	JAMES E. SPARGO & SUSAN P. SPARGO	04-R14-26	0.92
II	WILLIAM J. WAGNER & PAMELA S. WAGNER	04-R12J-14	1.170
JJ	THOMAS M. REGAL & JENNIFER L. REGAL	04-R12J-13	0.81
KK	RODNEY W. HALEY & RHONDA L. HALEY	04-R12J-12	0.82
LL	DANIEL W. HOPKINS	04-R12J-11	0.88
MM	THOMAS J. CONTI & N.J. CONTI REVOCABLE TRUST	04-R12J-10	0.442
NN	JORDAN K. VILLANI	04-R12J-09	1.02
OO	EDWIN V. KLUTH & R.C. KLUTH	04-R12J-01	1.100
PP	MICHAEL WINIESDORFFER & VERONICA WINIESDORFFER	04-R12J-40.5	0.276
QQ	ZAVEEN A. KUREISHY	04-R15-32.2	1.358
RR	ZAK PROPERTIES LLC	04-R15-32.4	1.578
SS	GARY E. GRUBB	04-R15-20.8	1.00
TT	JOHN D. EDGMON & DIANA K. EDGMON	04-R15-32.3	1.247
UU	BRADLEY A. SCHMITT & KAREN M. SCHMITT	04-R15-32.1	1.811
VV	BRADLEY A. SCHMITT & KAREN M. SCHMITT	04-R15-32.14	2.157
WW	ROBERT C. CONTRAGUERRO & KIMBERLY S. CONTRAGUERRO	04-R15-32.7	1.08
XX	ROBERT C. CONTRAGUERRO & KIMBERLY S. CONTRAGUERRO	04-R15-32.8	1.00
YY	ADAM C. MULL & LAURA E. MULL	04-R15-32.9	1.00

04/21/2017

REVISIONS:	COMPANY:	 	
	OPERATOR'S	EDWARD NICHOLS OHI	
	WELL #:	5H	
	DISTRICT:	COUNTY:	STATE:
	RICHLAND	OHIO	WV
			DATE: 12-22-2016
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2

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 INC.
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NOTES ON SURVEY

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3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL ✕ LANDING POINT LOCATION
- 🌊 FLOOD PLAIN

- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD / PUBLIC ROAD
- == LEASE BOUNDARY
- PROPOSED PATH

04/21/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: EDWARDS NICHOLS OHI	WELL # 5H	SERIAL #
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE OHIO - 069	DISTRICT; RICHLAND	
SURFACE OWNER: EDWARD NICHOLS & JUDITH NICHOLS	USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV		