

**JACKSON SURVEYING
INC.**

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

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,439,024.803 EASTING: 531,512.638
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,438,800.290 EASTING: 531,300.591
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,696.516 EASTING: 532,308.686



Latitude: 40°05'00" BH BOTTOM HOLE 10,556'

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 43°11'25" W	2109.00'	SHL TO LANDMARK	2" IRON PIPE FD.
L2	S 81°55'02" W	858.86'	SHL TO LANDMARK	5/8" REBAR FD.
L3	S 43°21'52" W	1013.19'	CURVE LENGTH	SHL TO LP



Latitude: 80°35'00" BH
Longitude: 80°37'30" SH



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.

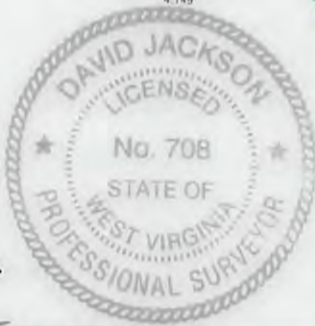
NOTES ON SURVEY

- 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 Z. Jackson



COMPANY: **SWN** Production Company, LLC

EDWARDS NICHOLS OHI
OPERATOR'S WELL #: 6H
API WELL #: 47 STATE, 069 COUNTY, 00218 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 (SH), VALLEY GROVE (BH)

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: 6,317 TVD 14,337 TMD

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

DESIGNATED AGENT: DEE SOUTHALL ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378



LEGEND:	REVISIONS:	DATE: 12-20-2016
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT	
★ EXISTING / PRODUCING WELLHEAD	== LEASE BOUNDARY	DRAWN BY: N. MANO
LPL★ LANDING POINT LOCATION	— PROPOSED PATH	SCALE: 1" = 2000'
W EXISTING WATER WELL		DRAWING NO:
S EXISTING SPRING		WELL LOCATION PLAT

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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	BRIAN R. MENGEU & LISA M. MENGEU	04-R15-16.29	1.262
3	CRAIG E. STEPHAN & JENNIFER L. GILES	04-R15-10	1.74
4	JOHN R. ANDERS II	04-R15-04	3.24
5	SARAH A. MARTIN & ROBERT E. MARTIN	04-R15-03	0.58
6	SARAH A. MARTIN & ROBERT E. MARTIN	04-R15-03.1	0.55
7	ROBERT KREISBERG & MELINDA S. KREISBERG	04-R15-01	2.32
8	FREDERICK JAQUAY & JANET JAQUAY	04-R18-07	3.853
9	MARK R. EDDY & RENEE R. EDDY	04-R18-13	1.17
10	TOMMY J. TYLER JR, W J TYLER & ETHEL TYLER	04-R18-12	5.00
11	JOHN G. HOFFMAN & SHIRLEY LAYA HOFFMAN	04-R18-12.3	15.93
12	JOE HORVAT & RUTH ELIZABETH HORVAT	04-R18-22	5.193
13	WILSON B. MILLER & HELEN J. MILLER	04-R18-11	125.442
14	ROBERT HOFFMAN & BESSIE HOFFMAN	04-R18-27	42.00
15	MICHAEL A. KUTHY	06-T2-27	71.57
16	JANET C.W. SPARKS & WILLIAM SPARKS JR.	06-T2-31	7.85
17	WM C. GROVER & RACHEL D. GROVER	06-T2-32	19.59

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
AAA	KEVIN HESS & STACEE L. HESS	04-R18-22.2	1.007
BBB	RANDEE JAY COX & HEATHER M. COX	04-R18-22.1	1.03
CCC	JOE HORVAT & RUTH ELIZABETH HORVAT	04-R18-22	5.193
DDD	JOE HORVAT & RUTH ELIZABETH HORVAT	04-R18-13.2	0.01
EEE	DONALD T. THOMPSON & MELISSA A. THOMPSON	04-R18-19	1.02
FFF	DONALD T. THOMPSON & MELISSA A. THOMPSON	04-R18-18	1.12
GGG	TODD M. BOLINGER	04-R18-18.1	0.474
HHH	REBECCA J. MCKENNEN	04-R18-17	1.52
III	ROBERT J. MCCONNELL JR.	04-R18-15	0.70
JJJ	LISA M. NOLTE	04-R18-16	1.14
KKK	EDWARD D. LONG & G.M. LONG	04-R18-05	0.712
LLL	A. LEE MCLAUGHLIN & KATHLEEN A. MCLAUGHLIN	04-R18-06	0.517
MMM	GINA LYNN JONES MILLER	04-R15-08	0.178
NNN	RAYMOND CLOUSTON & HYDEE D. CLOUSTON	04-R15-07	1.761
OOO	LARRY TRANK & P. TRANK	04-R15-11	0.35

04/21/2017

REVISIONS:	COMPANY:			 	
	OPERATOR'S			EDWARD NICHOLS OHI	
	WELL #:			6H	
	DISTRICT:	COUNTY:	STATE:	DATE: 12-20-2016	
	RICHLAND	OHIO	WV	DRAWN BY: N. MANO	
				SCALE: N/A	
				DRAWING NO:	
				WELL LOCATION PLAT 2	



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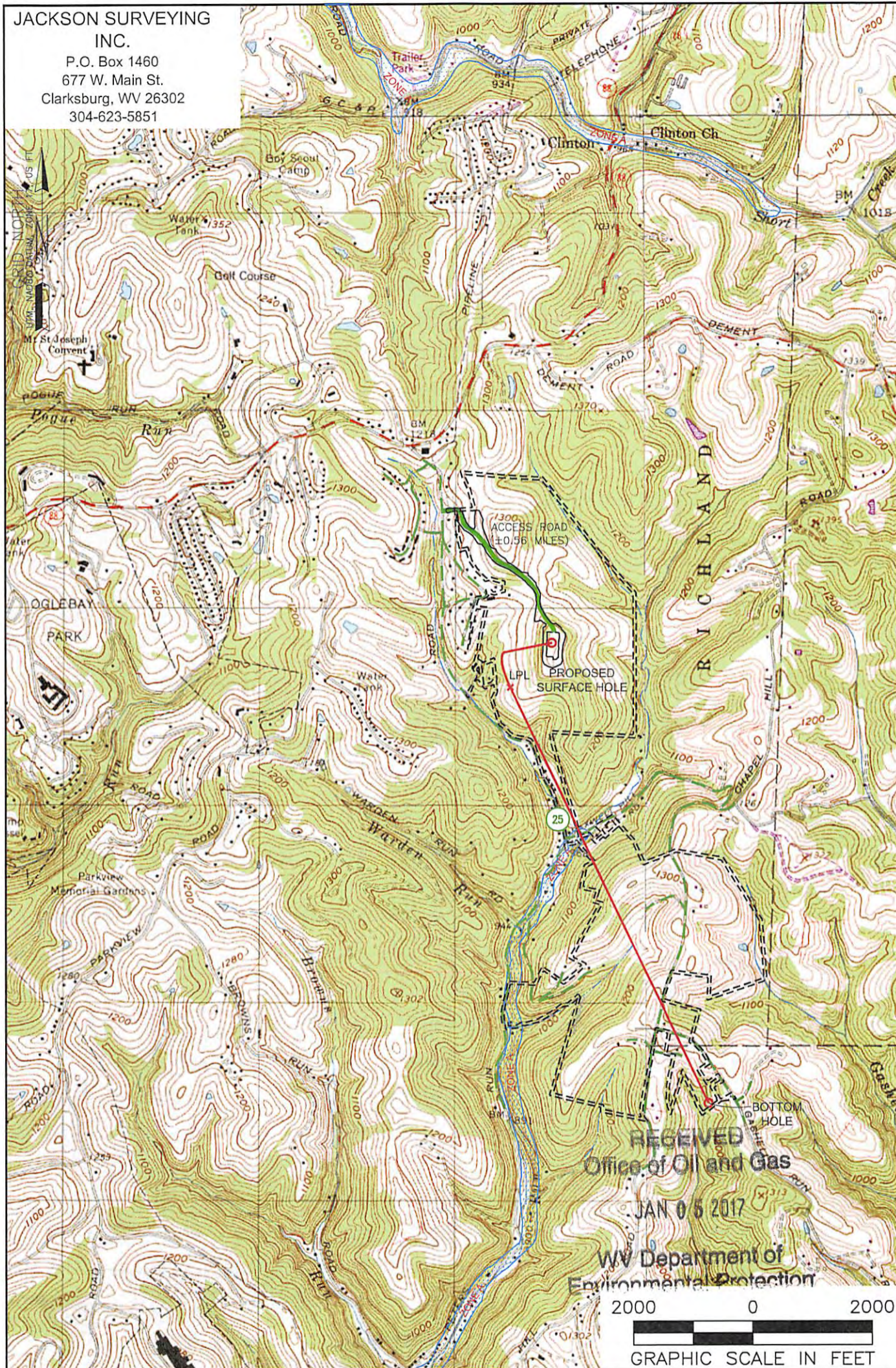
ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	LARRY TRANK & PATRICIA TRANK	04-R15-11.1	0.55
B	LARRY TRANK & PATRICIA TRANK	04-R15-16.17	0.62
C	ENEIDA K. BAKER	04-R15-16.15	2.16
D	ENEIDA K. BAKER	04-R15-16.28	0.576
E	CHRISTOPHER T. NORMAN	04-R15-16.25	1.21
F	ENEIDA K. BAKER	04-R15-16.30	0.232
G	ENEIDA K. BAKER	04-R15-16.16	1.09
H	JEFFREY W. PFISTER & JENNIFER J. PFISTER	04-R15-16.33	1.36
I	JEFFREY W. PFISTER & JENNIFER J. PFISTER	04-R15-16.34	0.419
J	RICHARD L. BRAK	04-R15-16.21	1.173
K	CECIL CHIPLINSKI & TAMMY K. CHIPLINSKI	04-R15-16.23	1.023
L	PATTY M. JEWETT & JAMES A. JEWETT	04-R15-16.24	1.01
M	LESLIE DAVID LEWIS	04-R15-16.22	1.484
N	GREGORY FUNARI & DEANNA L. FUNARI	04-R15-16.20	1.000
O	OLDGA V. RINE & DENISE E. RINE	04-R15-16.4	1.049
P	CHARLES L. HODGSON & K.P. HODGSON	04-R15-16.3	0.766
Q	EDWARD E. NICHOLS & MARJORIE C. NICHOLS	04-R15-16.18	1.91
R	EDWARD J. NICHOLS, MARJORIE C. NICHOLS & JUDY C. NICHOLS	04-R15-16.31	0.192
S	JUDITH C. NICHOLS	04-R15-16.32	0.953
T	EDWARD J. NICHOLS, MARJORIE C. NICHOLS & JUDY C. NICHOLS	04-R15-16.19	0.219
U	LAWRENCE D. BOLE & J.L. BOLE	04-R15-16.14	0.772
V	LAWRENCE R. DIXON & JAMES M. DIXON	04-R15-16.7	0.875
W	ANDREW S. GAUDINO	04-R15-18	1.37
X	TAMILA LYNN WADE, C/O TAMILA L. HIGLEY	04-R15-16.10	2.73
Y	BOARD OF COMMISSION OHIO COUNTY	04-R15-16.11	3.09
Z	LINDA H. ROSS	04-R15-16.12	1.62
AA	HAROLD L. PICKENS, DEBORAH A. MCCLELLAND	04-R15-16.13	1.59
BB	M & J CONSTRUCTION	04-R15-32.18	6.886
CC	WEST RENTALS INC.	04-R15-32	10.219
DD	RONALD WILLIAM KASSERMAN & ELIZABETH A. KASSERMAN	04-R15-32.10	1.932
EE	EDWARD M. PACK	04-R18-7.1	2.14
FF	RONALD A. CHILDERS	04-R18-08	1.43
GG	MARK R. EDDY & RENEE R EDDY	04-R18-13.1	0.10
HH	TOMMY J. TYLER JR. & TOMMY J. TYLER SR.	04-R18-12.1	0.5327
II	TOMMY J. TYLER JR. & W. J. TYLER & ETHEL TYLER	04-R18-12.2	0.58
JJ	KERRY A. MARSHALL JR. & DANIELLE M. PHILLIPS	06-T3-03.2	0.585
KK	RICHARD P. SCOTT & LEAH C. SCOTT	06-T3-03.1	0.752
LL	CARL E. GROVER & SONDR A. GROVER	06-T3-31	1.0
MM	JAMES J. KUTHY	06-T3-32	1.0
NN	WALTER PAUL JR., WALTER PAUL SR. & CLARISSA L. PAUL	06-T3-30	0.70
OO	MARY M. REICHENBACH	06-T2-33	1.5
PP	MARY M. REICHENBACH	06-T2-32.1	1.0
QQ	MARY M. REICHENBACH	06-T2-32.2	1.31
RR	MARY M. REICHENBACH	06-T2-32.3	1.31
SS	LAURA KRINER	06-T2-32.4	2.0
TT	RACHAEL D. COLEMAN & VINCENT S. COLEMAN	06-T2-32.5	1.20
UU	ROBERT A. ORUM	06-T2-34.1	0.528
VV	DALE E. HOFFMAN & SHIRLEY L. HOFFMAN HOFFMAN FAMILY TRUST	04-R18-27.1	13.28
WW	ERIC P. WEISENBORN	04-R18-27.5	10.00
XX	ERIC P. WEISENBORN	04-R18-23	1.45
YY	MARY BETH LAFOLLETT & KAYLA MARIE BRITTON	04-R18-21.3	2.80
ZZ	MARY BETH LAFOLLETT & KAYLA MARIE BRITTON	04-R18-20	2.90

04/21/2017

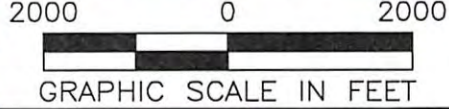
REVISIONS:	COMPANY:		 	
	OPERATOR'S		EDWARD NICHOLS OHI	
	WELL #:		6H	
	DISTRICT:	COUNTY:	STATE:	DATE: 12-20-2016
	RICHLAND	OHIO	WV	DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 3

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RECEIVED
Office of Oil and Gas
JAN 05 2017
WV Department of
Environmental Protection



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. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 2.
- 3.
4. 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 / PRIVATE ROAD
- LEASE BOUNDARY
- PROPOSED PATH

04/21/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: EDWARDS NICHOLS OHI	WELL # 6H	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 AND VALLEY GROVE, WV		