

Latitude: 40°05'00" SURFACE HOLE 46'

BOTTOM HOLE 10701'

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303

Latitude: 40°05'00"

TRACT	SURFACE OWNER / ROYALTY OWNER	TAX PARCEL	ACRES
1	MELVIN W. KAHLE AND CAROL M. KAHLE	6-17-170	84.99
2	SURFACE OWNER	TAX PARCEL	ACRES
3	MARY ANGELA DICKEY	06-17-171	99.95
4	CONNIE DAVIS	6-17-172.16	10.036
5	ROBERT F. SELAK AND TAMMY L. SELAK	6-17-172.13	1.078
6	ROBERT F. SELAK AND TAMMY L. SELAK	6-17-172.18	0.128
7	BRIAN W. VOSSEN AND TAMARA K. VOSSEN	6-17-172.1	33.8
8	RANDALL E. BARTLETT	6-17-172.15	1
9	CLARK EDWARD MCKEE	6-17-174	81
10	LOUIS G. BRINKMEIER JR. AND JELINDA A. BRINKMEIER	6-17-175	45.238
	LINDA L. CLARK	7-15-5-1	10.4

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MELVIN W. & CAROL M. KAHLE JR.	6-17-170.2	1.14
B	MELVIN W. KAHLE JR.	6-17-36	28.47
C	FRANCIS A. & D.M. RIDGS	6-17-3	4.35
D	CHAS. M. SLEDD COMPANY	7-17-1	2.96
E	CHAS. M. SLEDD COMPANY	7-17-2	5.84
F	NASLE FAMILY IRREVOCABLE TRUST	6-17-3	0.97
G	OHIO COUNTY PUBLIC SERV DIST	7-17-4.1	0.18
H	OHIO COUNTY PUBLIC SERV DIST	7-17-5	0.46
I	OHIO COUNTY PUBLIC SERV DIST	7-17-6	0.56
J	OHIO COUNTY PUBLIC SERV DIST	7-17-7	0.56
K	KEVIN S. & BRENDA A. KOSEM	7-17-8	1.19
L	EDWARD P. & JEAN D. LAUFER (LE)	7-17-9	0.8
M	KEVIN S. & BRENDA A. KOSEM	7-17-10	0.87
N	KEVIN S. & BRENDA A. KOSEM	7-17-11	2.4
P	KEVIN S. & BRENDA A. KOSEM	7-17-1	0.98
D	EDWARD B. HARTLEB	7-17-2.1	0.54
Q	DAVID A. & KIMBERLY D. DOUGLASS	7-17-5	0.3
R	LARRY R. & REBECCA L. KALO	7-17-7	0.18
S	MATTHEW H. GOSSET	7-17-14	0.21
T	MATTHEW H. & LEIGH ANN GOSSETT	7-17-14.3	0.19
U	MATTHEW H. GOSSET	7-17-14.1	0.33
V	MICHELLE L. PARSONS	7-17-17	0.33
W	RICHMOND M. MCCARDLE	7-17-18-2	0.15
X	CLARENCE M. & SU DEVALE	7-17-19	0.54
Y	CARPET UNLIMITED INC	7-17-2	0.87
Z	CARPET UNLIMITED INC	7-17-2.1	0.3
AA	CAROL L. McDONALD	7-17-21	0.67
BB	WILLIAM M. & S.R. ROSTEMEIER	7-17-22	0.24
CC	ELMER & MARTHA ANDREWS	7-17-23	0.29
DD	JOHN WILLIAM NASH	7-17-24	0.97
EE	MIDTOWN MOBILE HOMES, INC	7-17-25	0.35
FF	WOODROW J. KNOLLINGER, JR.	7-17-26	0.23
GG	RAMOND FRANK HELBING, JR	7-17-27	0.09
HH	RAMOND FRANK HELBING, JR	7-17-28	0.09
II	R.S. HELBING	7-17-29	0.11
JJ	THOMAS J. NASSIF, JR.	7-17-30	0.16
KK	BORIS JO PLANTS	7-17-30.1	0.29
LL	LINDA L. CLARK	7-17-50	0.47
MM	MIDTOWN MOBILE HOMES, INC	7-17-49	0.09
NN	WM C. & ALICE H. IKLER	7-17-48	0.1
OO	DANN M. MEANS	7-17-47	0.45
PP	LINDA L. CLARK	7-17-187	0.13
QQ	ROBERT C. & S.G. TRENTON	7-17-186	3.91
RR	WILLIAM J. BRINKMEIER	6-17-173.2	1.9
SS	LOUIS BRINKMEIER, JR.	6-17-175.1	10.44
TT	WLD-LR BRINKMEIER	6-17-165.1	3.02
UU	ABUNDANT LIFE BAPTIST CHURCH	6-17-172.14	22.13
VV	RANDALL E. & D.M. BARTLETT	6-17-172.4	7.25
WW	JERRY L. & CYNTHIA KOPIAR	6-17-172.6	4.87
XX	DAVID A. DICKEY	6-17-172.3	3.6
YY	WILLIAM R. & TERRY L. BENNETT	6-17-172.13	2.87
ZZ	DAVID L. & MARY LOU FURBEE	6-17-172.5	2.84
AB	THOMAS SCOTT TOMINACK	6-17-172.7	4.18
AC	THOMAS S. & M.D. TOMINACK	6-17-172.8	3.68
AD	MARK A. & ALAIRE S. KNOX	6-17-172.10	5.82
AE	THOMAS & CATHY MILLER	6-17-172.17	2.03
AF	JOSEPH T. SUBASIC	6-17-161	0.4
AG	470 LAND CO. LLC	6-17-156	30.04
AH	KAREN J. BUTLER	6-17-160	2.94

SURFACE HOLE LOCATION (SHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,435,782.94
 EASTING: 531,862.38

LANDING POINT (LPL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,435,398.64
 EASTING: 531,843.52

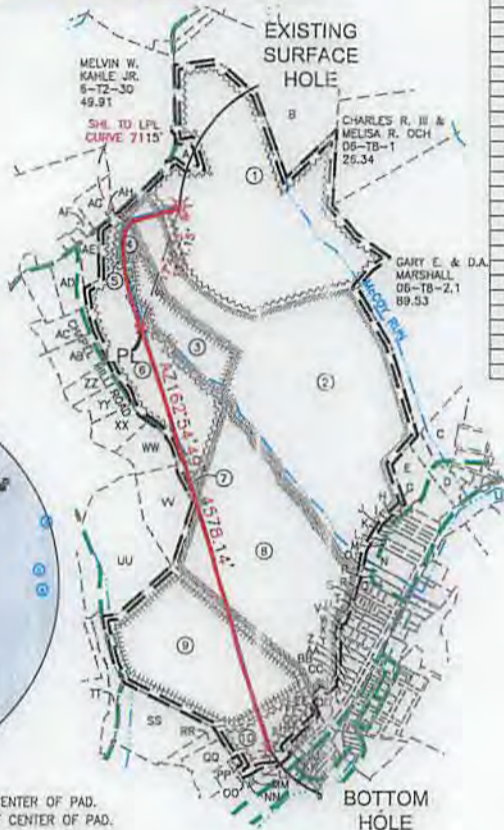
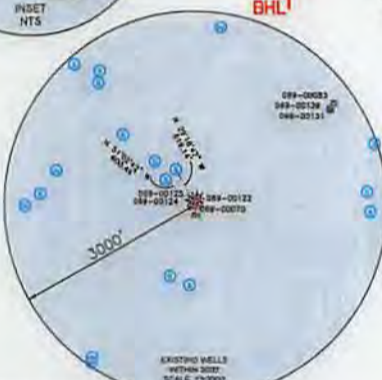
BOTTOM HOLE LOCATION (BHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,434,068.31
 EASTING: 532,276.93

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

SURFACE HOLE LOCATION (SHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,435,782.73
 EASTING: 531,862.45

LANDING POINT (LPL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,435,551.57
 EASTING: 531,801.24

BOTTOM HOLE LOCATION (BHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,434,068.08
 EASTING: 532,277.35



WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 825 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 531 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN 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.

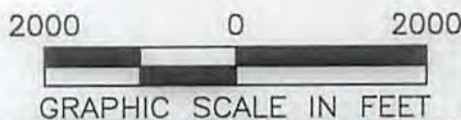
NOTES ON SURVEY

- 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. 2164

[Signature]



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)

OPERATOR'S WELL #: MELVIN KAHLE OHI 6H

API WELL #: 47 069 00224
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1276.3'

DISTRICT: TRIADELPHIA COUNTY: OHIO COUNTY QUADRANGLE: WHEELING & VALLEY GROVE

SURFACE OWNER: MELVIN W. KAHLE AND CAROL M. KAHLE ACREAGE: ±84.99

OIL & GAS ROYALTY OWNER: MELVIN W. KAHLE AND CAROL M. KAHLE ACREAGE: ±84.99

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,358' TVD 11,707' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

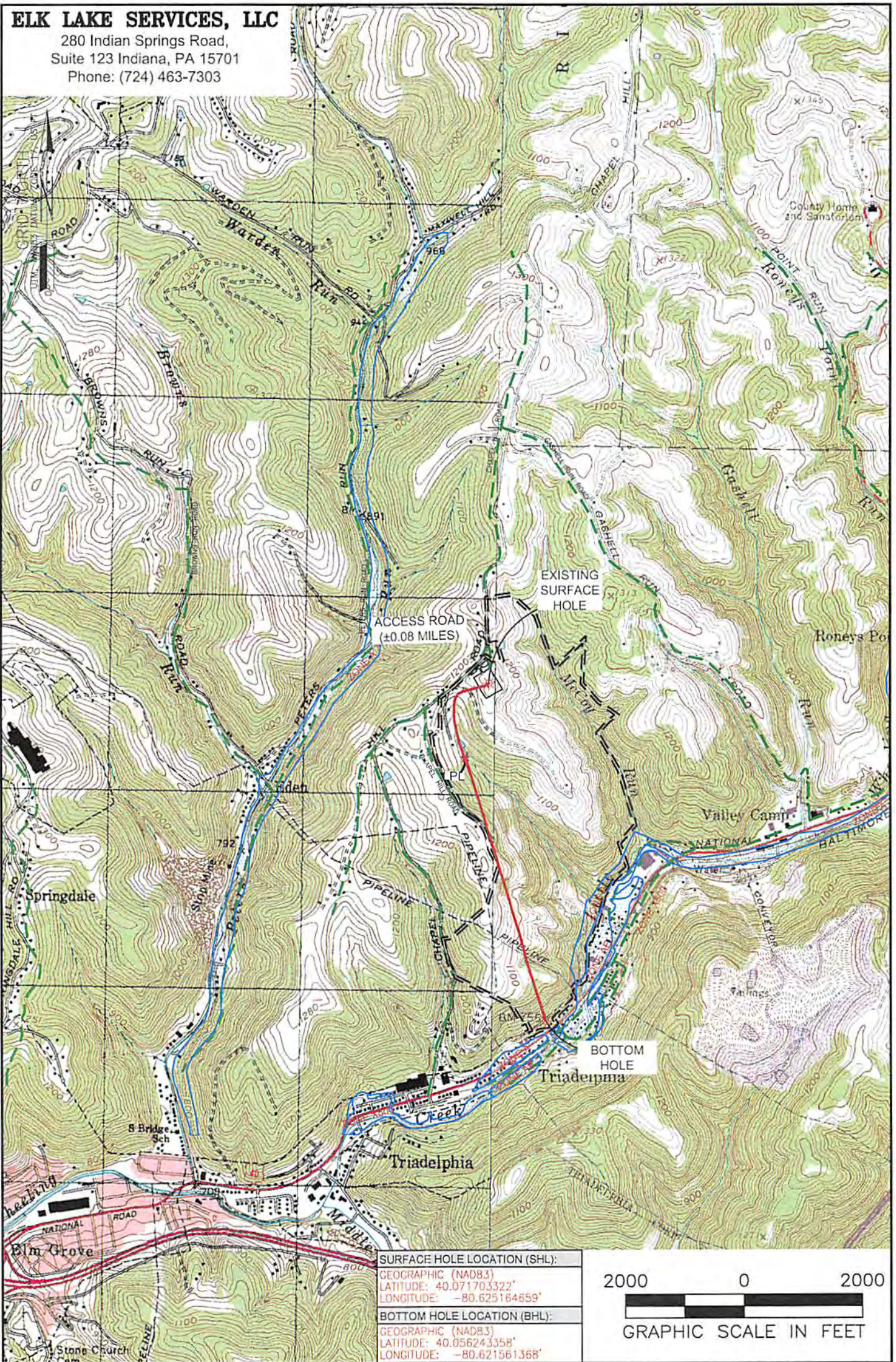
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	8/28/2018
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	FILE NO: 16-51
LPL * LANDING POINT LOCATION	— LEASE BOUNDARY	DRAWN BY: JMB
⊙ EXISTING WATER WELL	— EXISTING PATH	SCALE: 1" = 2000'
⊙ EXISTING SPRING	— PROPOSED PATH	DRAWING NO: 1
		WELL LOCATION PLAT 1

Latitude: 40°05'00" SURFACE HOLE 46'
 Longitude: 80°37'30"
 Longitude: 80°35'00" BOTTOM HOLE 10701'

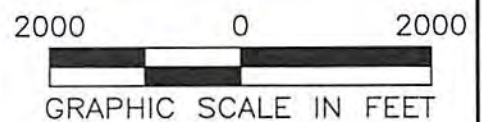
ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83)
LATITUDE: 40.071703322'
LONGITUDE: -80.625164659'

BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83)
LATITUDE: 40.056243358'
LONGITUDE: -80.621561358'



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
- ✱ LPL LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- EXISTING PATH
- PROPOSED PATH

<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378</p> <p>SURFACE OWNER: MELVIN W. KAHLE AND CAROL M. KAHLE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">WELL (FARM) NAME: MELVIN KAHLE OHI</td> <td style="width: 10%;">WELL # 6H</td> <td style="width: 20%;">SERIAL # XXXX</td> </tr> <tr> <td>COUNTY OHIO COUNTY - 69</td> <td colspan="2">DISTRICT: TRIADELPHIA</td> </tr> <tr> <td colspan="3">USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV & VALLEY GROVE, WV</td> </tr> </table>	WELL (FARM) NAME: MELVIN KAHLE OHI	WELL # 6H	SERIAL # XXXX	COUNTY OHIO COUNTY - 69	DISTRICT: TRIADELPHIA		USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV & VALLEY GROVE, WV		
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