

Latitude: 40°07'30" SURFACE HOLE 5952'

Latitude: 40°05'00" BOTTOM HOLE 3,458'

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: 4,437,283.022
EASTING: 530,155.443

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,436,838.005
EASTING: 529,504.429

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,433,331.786
EASTING: 530,925.790

SURFACE HOLE LOCATION (SHL):

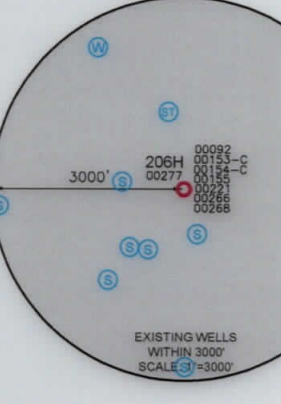
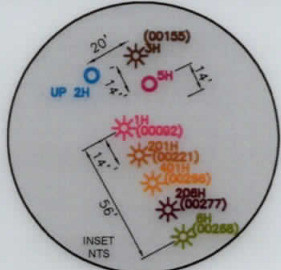
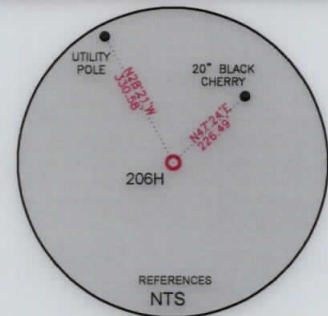
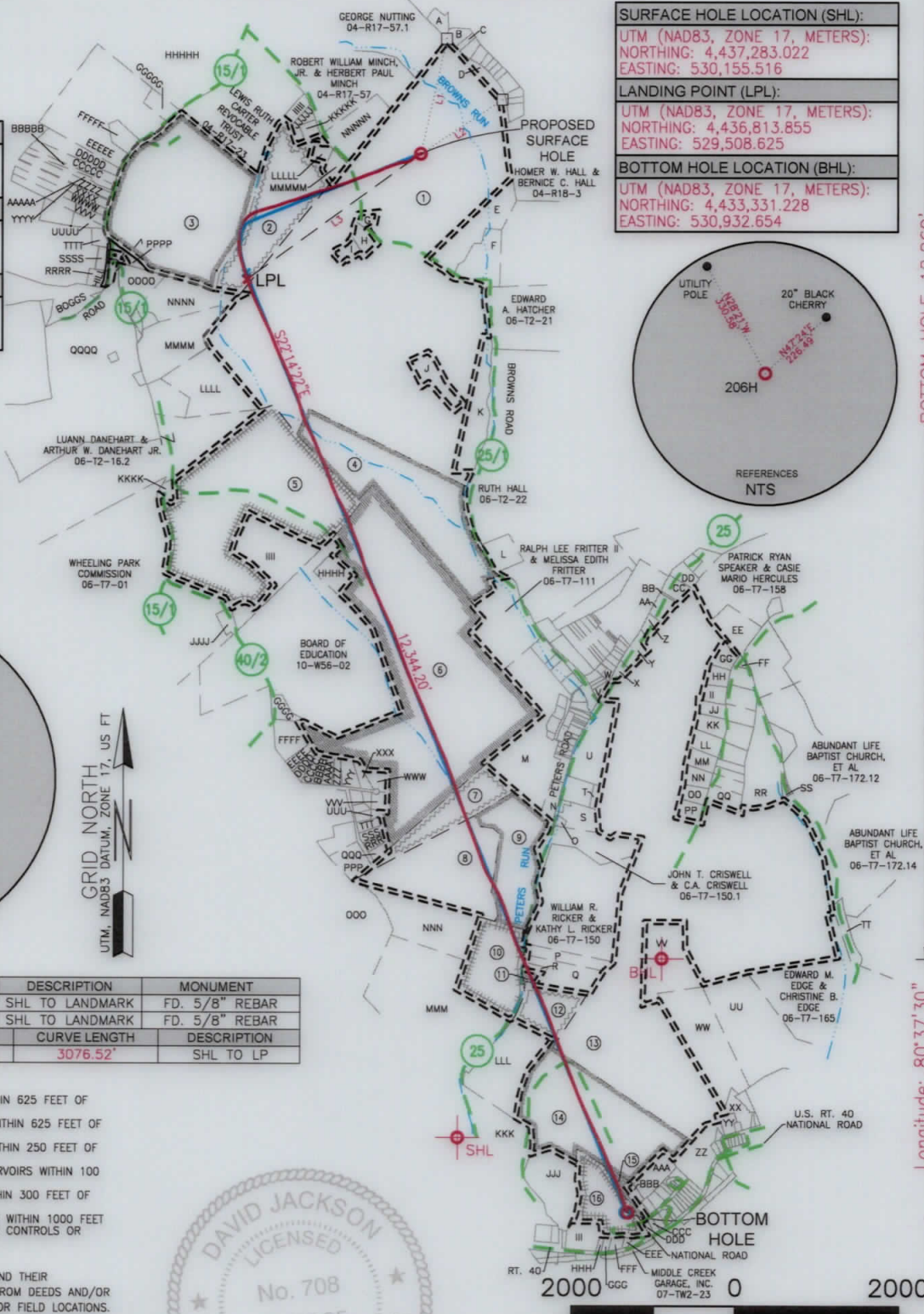
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,437,283.022
EASTING: 530,155.516

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,436,813.855
EASTING: 529,508.625

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,433,331.228
EASTING: 530,932.654



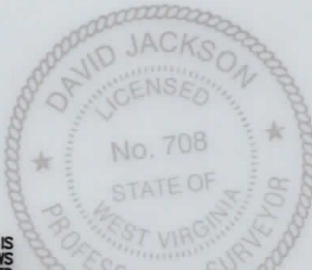
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 12°11'11" E	1430.75'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	N 56°02'45" E	1207.62'	SHL TO LANDMARK	FD. 5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 54°02'53" W	2,621.76'	3076.52'	SHL TO LP

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 d. Jackson

COMPANY: **SWN** Production Company, LLC

OPERATOR'S WELL #: 206H

API WELL #: 47 STATE 069 COUNTY 00277 PERMIT

(+) 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)

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

WATERSHED: BROWNS RUN OF PETERS RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1208.2'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: WHEELING, WV

SURFACE OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

OIL & GAS ROYALTY OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

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

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) **ASDRILLED**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,259 TVD 19,542 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, PROPOSED PATH, ASDRILLED PATH

REVISIONS: DATE: 03-06-2019

DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT



**JACKSON SURVEYING
INC.**

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

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	TIMMY B. MINCH & AMY L. MINCH (S/R)	06-T2-18
TRACT	SURFACE OWNER	TAX PARCEL
2	CHARLES MONFRADI & DOLORES MONFRADI (S)	04-R17-58
3	RICHARD P. CARTER (S)	04-R17-23.3
4	WILLIAM A. ORUM & CYNTHIA ORUM (S)	06-T7-178
5	WHEELING PARK COMMISSION (S)	06-T7-95
6	FRANCIS L. BRADEN (S)	06-T7-97
7	JAMES D. MILLER, JR. & CAROLINE KUJAR MILLER (S)	06-T7-117.2
8	JAMES D. MILLER, JR. & CAROLINE KUJAR MILLER (S)	06-T7-117.1
9	JAMES D. MILLER, JR. & CAROLINE KUJAR MILLER (S)	06-T7-117
10	PETERS RUN LAND COMPANY, INC. (S)	06-T7-118
11	DANIEL F. OCH (S)	06-T7-155
12	DANIEL F. OCH (S)	06-T7-156
13	JOHN J. CORBETT (S)	06-T7-163
14	JOHN J. CORBETT (S)	06-T12-5
15	MIDDLE CREEK GARAGE INC. (S)	07-TW1-19
16	MIDDLE CREEK GARAGE INC. (S)	07-TW1-20

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	JON BARRY & JAYMIE BARRY	04-R17D-3
B	V.J. SOVINSKI & H.G. SOVINSKI	04-R17D-28
C	J.G. DEEDS & M.K. GARRISON	04-R17D-30
D	L & B DEVELOPMENT, LLC	04-R17D-1
E	RONALD J. POCKL	06-T2-20.1
F	MORGAN A. WOJCHOWSKI	06-T2-20
G	SHAWN A. HODGSON & LESLIE G. HODGSON	04-R17-62
H	DANNY MINCH & GINA MINCH	04-R17-61
I	TIMMY B. MINCH & AMY L. MINCH	04-R17-63
J	JUNIPER LODGE, INC.	06-T2-19
K	M.D. ORUM, W.B. ORUM, ELDER B. PENNINGTON & K.D. ORUM	06-T2-19.1
L	MICHAEL D. ORUM & KENNETH D. ORUM	06-T7-135.1
M	JAMES D. MILLER, JR. & CAROLINE KUJAR MILLER	06-T7-112
N	YE OLDE COUNTRY CHURCH OF FAITH TRUSTEES	06-T7-112.2
O	JOHN T. CRISWELL & C.A. CRISWELL	06-T7-149
P	TERESA GELLNER HULS	06-T7-152
Q	RICHARD J. FITZPATRICK, SHERRI L. FITZPATRICK, & THOMAS W. FITZPATRICK	06-T7-153
R	KAYLA LENDON & JUSTIN LENDON	06-T7-154
S	JOHN T. CRISWELL & C.A. CRISWELL	06-T7-148.1
T	GARY R. WALTER & SUSAN L. WALTER	06-T7-148
U	STEVEN A. MOORE & LISA K. MOORE	06-T7-148.2
V	REGIS G. WENZEL & J.R. WENZEL	06-T7G-4
W	JAMES L. HEATH	06-T7G-3
X	DONALD N. HARRIS & J.A. HARRIS	06-T7-147.1
Y	DONALD JEFFREY HARRIS	06-T7-147
Z	DAVID J. SCHMID & E.T. SCHMID	06-T7-146
AA	KATHERINE M. PAPADIMITRIOU	06-T7-145
BB	KATHERINE M. FIGARETTI & ANTHONY F. FIGARETTI	06-T7-143.1
CC	KATHERINE M. FIGARETTI & ANTHONY F. FIGARETTI	06-T7-143
DD	GARY E. LAUDERMILT SR & MARY ANN LAUDERMILT	06-T7-142
EE	LYLE HEARN & KIMBERLIE HEARN	06-T7-173
FF	JOHN J. CORBETT	06-T7-163
GG	AUGUST J. HANSON & LISA M. HANSON	06-T7-163.20
HH	ROBERT W. GALBREATH & DEBRA J. GALBREATH	06-T7-163.11
II	THOMAS R. MORGAN & ANN Y. MORGAN	06-T7-163.5
JJ	ROGER L. KENT JR. & MELINDA J. KENT	06-T7-163.15
KK	ROGER L. KENT JR. & MELINDA J. KENT	06-T7-163.18
LL	TODD FULLERTON	06-T7-163.16
MM	ROBERT M. TUCKER & REBECCA E. TUCKER	06-T7-163.12
NN	GREGORY A. GAUDINO & ANNETTE M. GAUDINO	06-T7-163.13
OO	BUSAINA KHALIL	06-T7-163.7
PP	BUSAINA KHALIL	06-T7-163.6
QQ	JAMES SIMMS	06-T7-163.17
RR	CHARLIE A. BLISS SR. & MARY E. BLISS	06-T7-164
SS	CHARLIE A. BLISS SR. & MARY E. BLISS	06-T7-164.1
TT	WILLIAM JAY BRINKMEIER	06-T7-165.1
UU	OHIO VALLEY INDUSTRIAL & BUSINESS DEVELOPMENT CORPORATION	06-T7-166.1
VV	GREGORY J. GEORGE & JENNIFER S GEORGE	06-T7-163.19
WW	MIDDLE CREEK GARAGE INC.	06-T7-166
XX	RANDY APOSTOLEC	07-TW1-1.1
YY	WOODROW J. KNOLLINGER, JR.	07-TW1-3.2
ZZ	MIDDLE CREEK GARAGE INC.	07-TW1-9
AAA	MIDDLE CREEK GARAGE INC.	06-T12-6
BBB	KEVIN S. KOSEM & BRENDA A. KOSEM	07-TW2-11
CCC	KEVIN S. KOSEM & BRENDA A. KOSEM	07-TW2-11.1
DDD	KEVIN S. KOSEM & BRENDA A. KOSEM	07-TW2-11
EEE	GLORIA MILLIKEN	07-TW2-8
FFF	DONALD L. SHAW	07-TW2-7

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
GGG	RICHARD PUSZ	07-TW2-6
HHH	RONALD A. BUMGARDENER	07-TW2-5
III	WHEELING JATC	07-TW2-4
JJJ	BDDE PROPERTIES LLC	06-T12-4
KKK	LEWIS E. MCGRATH SR & DOLORES I. MCGRATH	06-T7-126.3
LLL	JAY A. POWELL & LISA P. POWELL	06-T7-157
MMM	PETERS RUN LAND COMPANY INC.	06-T7-119
NNN	JAMES D. MILLER JR & CAROLINE K. MILLER	06-T7-117.3
OOO	CALVIN M. TAGGART & J.L. TAGGART	06-T7-125
PPP	JAMES D. MILLER, JR. & CAROLINE KUBAR MILLER	06-T7-67.1
QQQ	CHAD W. BROADWATER & REBECCA L. BROADWATER	06-T7-67.16
RRR	TOOD M. SCHIRTZINGER & JENNY S. SCHIRTZINGER	06-T7-67.17
SSS	WILLIAM O. LEWIS IV & CANDICE M. LEWIS	06-T7-67.19
TTT	THOMAS L. FOLMAR & DONNA LYNN FOLMAR	06-T7-67.18
UUU	FRANCES L. BRADEN	06-T7-67
VVV	JASON B. BIRCH & JESSICA L. BIRCH	06-T7-97.2
WWW	JONATHAN BRUCE WHARTON	06-T7-97.3
XXX	KENNETH SPENCER & STEPHANIE SPENCER	06-T7-67.6
YYY	GERALD BISCHOF & ROSETTA J. BISCHOF	06-T7-67.7
ZZZ	DEEDRA DAVIS	06-T7-67.5
AAAA	RONALD A. ZANDRON & PATRICIA L. ZANDRON	06-T7-67.8
BBBB	DALE A. FORESTER & CAROL ANN FORESTER	06-T7-67.9
CCCC	MARIO B. JULIAN & LOIS R. JULIAN	06-T7-67.13
DDDD	BENJAMIN ELLWOOD & DANIELLE ELLWOOD	06-T7-67.23
EEEE	CAYLA J. BLACK & MATTHEW D. BLACK	06-T7-67.10
FFFF	FRANCES L. BRADEN	06-T7-67
GGGG	EARL BRADEN & F.L. BRADEN	10-W56-3
HHHH	DONALD A. BRADEN & RHONDA L. BRADEN	06-T7-97.1
IIII	BOARD OF EDUCATION OF OHIO COUNTY	10-W56-1
JJJJ	BOARD OF EDUCATION OF OHIO COUNTY	10-W56-4
KKKK	WHEELING PARK COMMISSION	06-T2-17
LLLL	DONALD G. VILLANOVA & BECKY J. VILLANOVA	06-T2-16
MMMM	DONALD G. VILLANOVA & BECKY J. VILLANOVA	06-T2-15.2
NNNN	GLORIA KALB	06-T2-15.3
OOOO	GLORIA J. KALB	06-T2-14
PPPP	RICHARD P. CARTER & KIM M. CARTER	04-R17-23.1
QQQQ	CATHOLIC DIOCESE OF WHEELING - CHARLESTON	06-T2-11
RRRR	ROBERT J. SEEVERS & TAMI LOU SEEVERS C/O WESBANCO TRUST DEPT.	06-T2-2
SSSS	DAVID NHOGE GAUDINO & ANN C. GAUDINO	06-T2J-2
TTTT	SHASHI R. URVAL & MONISHA URVAL	06-T2J-1
UUUU	MATTHEW GOMPERS & VICTORIA GOMPERS	04-R17-10.2
VVVV	HARRY S. FISHER & BARBARA J. FISHER	04-R17-11.1
WWWW	HARRY S. FISHER & BARBARA J. FISHER	04-R17-11
XXXX	CARL D. BURKLAND III & JOLIN H. BURKLAND	04-R17-12
YYYY	CARL D. BURKLAND III & JOLIN H. BURKLAND	04-R17-13.1
ZZZZ	GUNTHER HEMPELMANN & M.E. HEMPELMANN	04-R17-13
AAAAA	COLUMBIA GAS TRANSMISSION CORP.	04-R17-15
BBBBB	GUNTHER F. HEMPELMANN & M.E. HEMPELMANN	04-R17-14
CCCCC	JEREMY A. SCHREIBER	04-R17-16
DDDDD	CRAIG V. OLEARY & EMMA L. OLEARY	04-R17-17
EEEEE	GEORGE F. BENEKE	04-R17-19
FFFFFF	THOMAS JOHN & MICHELLE JOHN	04-R17-20
GGGGG	NADA E. BENEKE	04-R17-22
HHHHH	SHANNON FIELDS, LLC	04-R17-23.2
IIIII	RICHARD D. BORDER, JR.	04-R17-58.5
JJJJJ	REX D. LASURE & N. A. ENDRIZZI	04-R17-58.4
KKKKK	REX D. LASURE & N. A. ENDRIZZI	06-R17-58.3
LLLLL	JAMES HOHMAN & M. HOHMAN	04-R17-58.2
MMMMM	TIMMY B. MINCH & AMY L. MINCH	04-R17-58.1
NNNNN	ROBERT WILLIAM MINCH, JR & BARBARA JEAN MINCH	04-R17-57.2

REVISIONS:	COMPANY:		
			
	OPERATOR'S	TIMMY MINCH OHI	API #
	WELL #:	206H	47-069-00277
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
			DATE: 03-06-2019
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2