

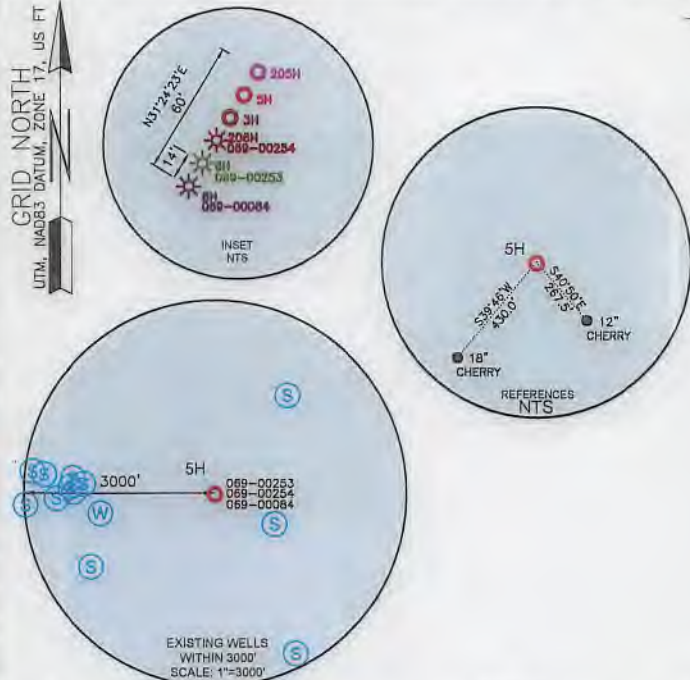
Latitude: 40°10'00" SURFACE HOLE 6,668'

**JACKSON SURVEYING INC.**

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

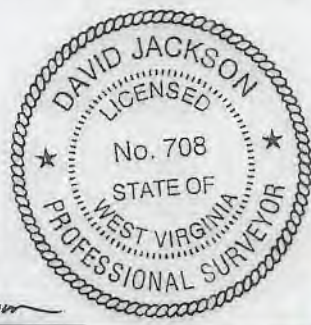
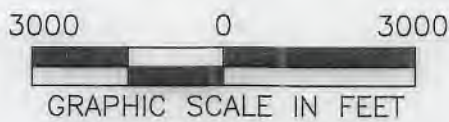
SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,444,692.177	
EASTING: 540,553.247	
LANDING POINT (LPL):	AZIMUTH LOCATION-2 (AZL2):
UTM (NAD83, ZONE 17, METERS):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,445,028.966	NORTHING: 4,447,960.892
EASTING: 540,644.681	EASTING: 539,522.201
AZIMUTH LOCATION-1 (AZL1):	BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,447,915.919	NORTHING: 4,449,651.795
EASTING: 539,540.848	EASTING: 538,765.064

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 43°49'12" E	1901.73'	SHL TO LANDMARK	FENCE CORNER
L2	S 79°02'23" W	1054.01'	SHL TO LANDMARK	CORNER POST
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 15°11'20" E	1144.95'	1270.69'	SHL TO LP
L4	N 22°31'15" W	159.73'	159.96'	AZL1 TO AZL2



- WELL RESTRICTIONS**
1. NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
  2. NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
  3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
  4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
  5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
  6. 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**
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.
- 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 L Jackson*



COMPANY: **SWN** Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	COMPANY: <b>SWN</b> Production Company, LLC OPERATOR'S WELL #: 5H API WELL #: 47 069 00295 STATE COUNTY PERMIT
	ROY RIGGLE OHI OPERATOR'S WELL #: 5H	DATE: 10-25-2018 DRAWN BY: N. MANO SCALE: 1" = 3000' DRAWING NO: WELL LOCATION PLAT

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

WATERSHED: CASTLEMAN RUN OF BUFFALO CREEK (HUC-10) ELEVATION: 1,251.8'

DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: BETHANY, WV-PA

SURFACE OWNER: ROY & DEBRA R. RIGGLE ACREAGE: ±171.18

OIL & GAS ROYALTY OWNER: ROY & DEBRA R. RIGGLE ACREAGE: ±171.18

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: 6,467' TVD 23,267' 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

<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL * LANDING POINT LOCATION ⊕ EXISTING WATER WELL ⊙ EXISTING SPRING	— SURVEYED BOUNDARY — DRILLING UNIT = LEASE BOUNDARY — PROPOSED PATH	<b>REVISIONS:</b> △ CORRECTED API NUMBERS ON OFFSET WELL LEGS 10-31-2018
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02/08/2019

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ROY RIGGLE & DEBRA R. RIGGLE (S/R)	03-L6-14
TRACT	SURFACE OWNER	TAX PARCEL
2	TIMOTHY ALAN RYAN (S)	03-L6-4
3	DANIEL P. TUSTIN & VICKI L. TUSTIN (S)	03-L3-3
4	EDWARD JOHN COVEY & ROSEMARY ANN COVEY (S)	03-B54-8
5	ROBERT E. JONES LIVING TRUST DATED 11/12/10 (S)	03-B49-12
6	PERRY JEFFERSON JONES, JR & BRANDY SUE JONES (S)	03-B49-8
7	PERRY J. JONES, JR. (S)	03-B49-8.1
8	WV DEPT. OF NATURAL RESOURCES (S)	03-B49-7
9	WV BUREAU OF COMMERCE DIV. OF NATURAL RESOURCES (S)	03-B49-1
10	ANDREW P. HOGAN (S)	03-B48-34
11	STATE OF WV, DEPT. OF COMM. DIV. OF NAT. RE WILDLIFE SEC. (S)	03-B43-62
12	GENE CHARLES VALENTINE TRUST OF 11/26/86 (S)	03-B43-28

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	WILLIAM RODGERS (LIFE)	03-L6-16
B	JOYCE ANN STRAUSS	03-L6-08
C	FEDERAL NATIONAL MORTGAGE ASSOCIATION	03-L6-05
D	EDGAR PARRISH	03-L6-2.2
E	DOROTHY TUSTIN (LIFE ESTATE)	03-L3-3.2
F	STATE OF WV CONSERVATION COMM.	03-L3-1.1
G	DANIEL P. TUSTIN SR. & VICKI S. TUSTIN	03-L3-3.1
H	DANIEL P. TUSTIN SR. & VICKI S. TUSTIN	03-L3-2.3
I	CHRISTOPHER J. COVEY & LELA G. COVEY	03-L3-04
J	JOHN S. FREEMAN & N. FREEMAN	03-L3-2.2
K	RICHARD P. FORSHEY	03-B54-13
L	RICHARD P. FORSHEY	03-B54-12
M	ROSEMARY ANN COVEY	03-B54-11
N	ROSEMARY ANN COVEY	03-B54-10
O	ROSEMARY ANN COVEY	03-B54-09
P	DEMURI HOME & GARDEN, LLC	03-B54-07
Q	DEMURI HOME & GARDEN, LLC	03-B54-06
R	JACQUELINE D. CONNARD	03-B54-05
S	JACQUELINE D. CONNARD	03-B54-04
T	EVERETT L. CARMICHAEL	03-B54-03
U	JAMES UNDERWOOD	03-B54-02
V	STATE ROAD OF WEST VIRGINIA	03-B54-01
W	STATE ROAD OF WEST VIRGINIA	03-B54-13
X	STATE OF WEST VIRGINIA DNR	03-B49-15
Y	DANIEL E. WALDEN & MARY VIRGINIA WALDEN	03-B48-37
Z	DANIEL E. WALDEN	03-B49-06
AA	JOHN WATLER MCNICHOLAS III	03-B48-36
BB	STATE ROAD COMMISSION	03-B48-42
CC	TABLE ROCK REALTY, LLC	03-B48-30
DD	RICHARD A. WOOD & MELANIE WOOD	03-B48-29
EE	NICHOLAS J. CAMMARATA & JENNIFER C. CAMMARATA	03-B48-25
FF	CHARLES H. JONES	03-B48-31
GG	CASTLEMANS RUN METHODIST CHURCH	03-B48-33
HH	DEAN S. SMITH	03-B48-32
II	ROBERT M. CHAMBERS & CHARLOTTE A. CHAMBERS	03-B48-24
JJ	MARY LOU FONNER	03-B43-58
KK	GENE C. VALENTINE TRUST FOR GENE CHAS. VALENTINE 11/26/86	03-B43-33

REVISIONS:	COMPANY:		 
△ CORRECTED API NUMBERS ON OFFSET WELL LEGS 10-31-2018			
	OPERATOR'S	ROY RIGGLE OHI	DATE: 10-25-2018
	WELL #:	5H	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	SCALE: N/A
	LIBERTY	OHIO	DRAWING NO:
		STATE:	WV
			WELL LOCATION PLAT 2

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02/08/2019

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
LL	GENE C. VALENTINE TRUST	03-B43-49.3
MM	SAMUEL DONINI & MELANIE DONINI	03-B43-57
NN	MARY E. COLLINS	03-B43-49
OO	BETHANY COLLEGE	03-B38-31
PP	CLYDE B. ROBERTS	03-B43-29
QQ	MARK W. OWEN & VIRGINIA BEALL KRUEZ	03-B38-24
RR	RAYMOND L. TREDWAY & LINDSEY G. TREDWAY	03-B39-11
SS	VICKI G. HAMILTON & SHAWN P. HAMILTON	03-B44-01
TT	JAMES R. GREATHOUSE & LINDA R. GREATHOUSE	03-B39-12
UU	DONNA M. WEEKLEY	03-B44-02
VV	CURTIS LEE NEEL & LOUANN L. NEEL	03-B44-07
WW	JANICE F. JACKSON (LIFE ESTATE - PHILLIS SWAIN)	03-B44-08
XX	JANICE F. JACKSON (LIFE ESTATE - PHILLIS SWAIN)	03-B44-09
YY	JANICE F. JACKSON (LIFE ESTATE - PHILLIS SWAIN)	03-B44-10
ZZ	MILDRED MAIN	03-B44-06
AAA	FORNEY & SONS HOLDING CO. LLC	03-B44-05
BBB	WV DEPT. OF COMM. DIV. OF NAT. RE WILDLIFE SEC.	03-B44-14
CCC	CLIFFORD E. COUNSELMAN	03-B49-02
DDD	RANCH SPORTSMANS CLUB, INC.	03-B49-10
EEE	PERRY JEFFERSON JONES	03-B49-09
FFF	PERRY JEFFERSON JONES	03-B49-09
GGG	RANCH SPORTSMANS CLUB, INC.	03-B49-11
HHH	MARK S. GRACY & CAROL B. GRACY	230-023-00-00-0010-06
III	RITA V. QTIP JONES, TR.	230-016-00-00-0001-00
JJJ	ROY RIGGLE & DEBRA R. RIGGLE	230-016-00-00-0003-00
KKK	KEENER PRIMARY RES. PROTECTOR TRUST	230-015-00-00-0005-00
LLL	MICHAEL WILHELM & JULIA E. WILHELM	03-L6-20
MMM	JASON MICHAEL WILHELM & CRYSTAL LOUISE WILHELM	03-L6-20.6

REVISIONS:

▲ CORRECTED API NUMBERS ON OFFSET  
WELL LEGS 10-31-2018

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>R+</sup> <sub>A</sub> <sup>V+</sup> <sub>o</sub>  
Production Company™

OPERATOR'S ROY RIGGLE OHI

DATE: 10-25-2018

WELL #: 5H

DRAWN BY: N. MANO

DISTRICT:  
LIBERTY

COUNTY:  
OHIO

STATE:  
WV

SCALE: N/A

DRAWING NO:

WELL LOCATION PLAT 3