

Latitude: 39°50'00"

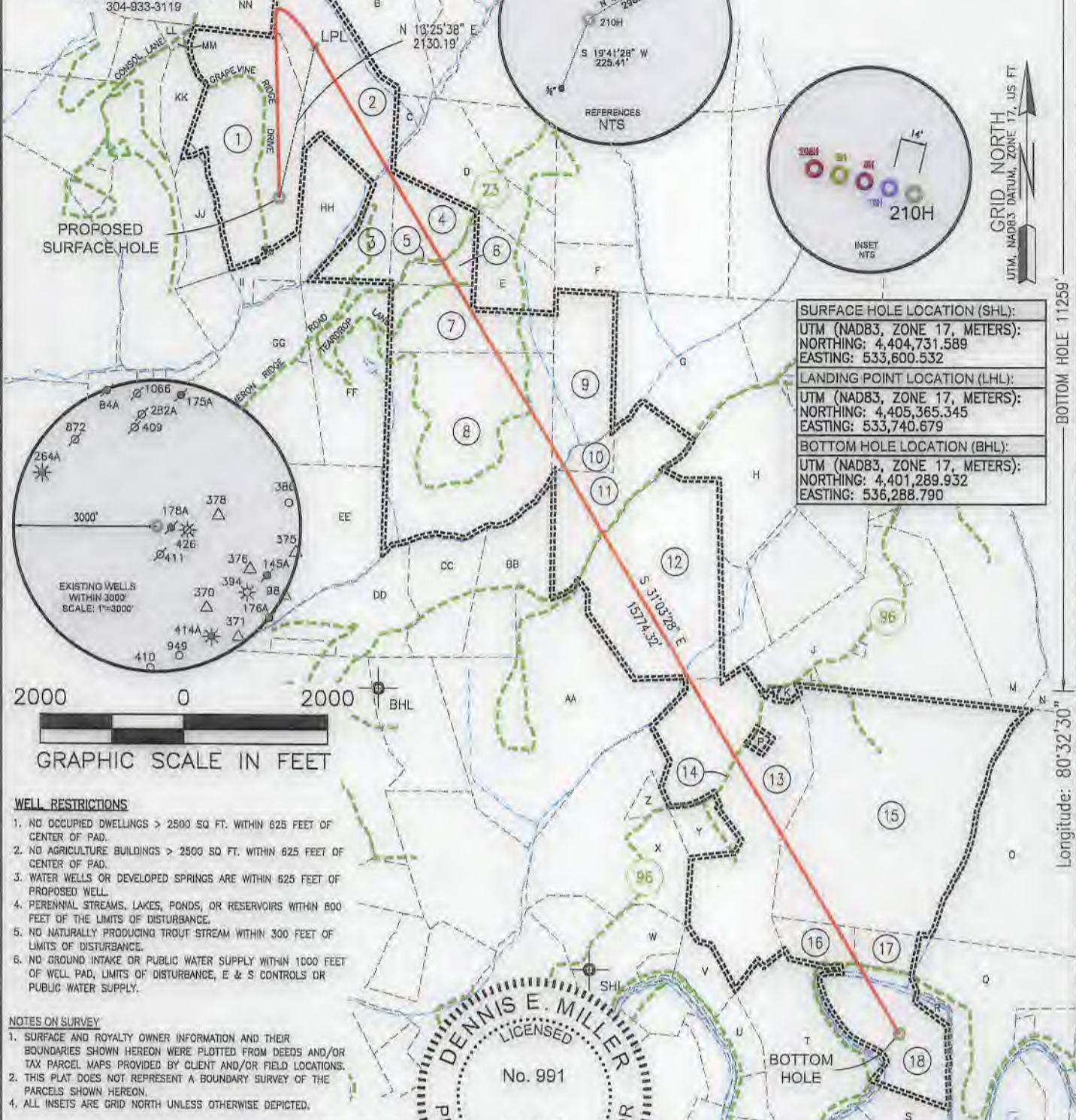
SURFACE HOLE 6806'

BOTTOM HOLE 9750'

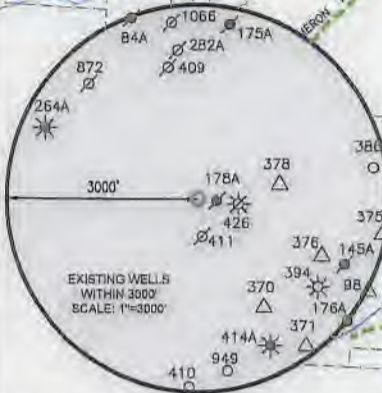
Latitude: 39°47'30"



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
600 MARKETPLACE AVENUE, SUITE 200
BRIDGEPORT, WV 26330
304-933-3119



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,404,731.589
EASTING: 533,600.532
LANDING POINT LOCATION (LHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,405,365.345
EASTING: 533,740.679
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,401,289.932
EASTING: 536,288.790



WELL RESTRICTIONS

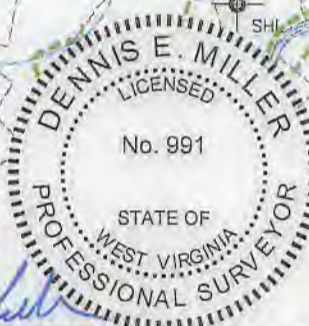
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 625 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 600 FEET OF THE LIMITS 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.
4. 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. 991



COMPANY: **SWN** Production Company, LLC

CHARLES JAMISON MSH

OPERATOR'S WELL #: 210H

API WELL #: 47 051 02302

STATE COUNTY 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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

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

WATERSHED: MAGGOTY RUN ELEVATION: 1335.0'

DISTRICT: LIBERTY DISTRICT COUNTY: MARSHALL QUADRANGLE: CAMERON

SURFACE OWNER: CHARLES AND JEAN JAMISON ACREAGE: 97.2±

OIL & GAS ROYALTY OWNER: CHARLES AND JEAN JAMISON ACREAGE: 97.2±

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: 7,320 TVD 23,928.54 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:	— SURVEYED BOUNDARY	— DATE: 05-31-2019
● PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT	— DRAWN BY: K.E.S.
★ EXISTING / PRODUCING WELLHEAD	— LEASE BOUNDARY	— SCALE: 1" = 2000'
LPL★ LANDING POINT LOCATION	— PROPOSED PATH	— DRAWING NO: 170-426
⊕ EXISTING WATER WELL		— WELL LOCATION PLAT
⊙ EXISTING SPRING		



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WELL BORE TABLE FOR SURFACE OWNERS

TRACT	SURFACE OWNER	TAX PARCEL
1	CHARLES AND JEAN JAMISON	07-007-0006
2	KENNETH WAYNE STEELE TRUST	07-007-0011
3	GAIL ZWICK - LIFE	07-007-0014
4	GAIL ZWICK - LIFE	07-006-0012.1
5	STEPHEN L. AND PAMELA SCOTT	07-006-0011
6	CO. RT. 23 ROW (CAMERON RIDGE ROAD)	
7	JACK R. BUZZARD, ET UX	07-010-0020
8	GARY R. DOBBS, ET UX	07-010-0021
9	JACK R. BUZZARD, ET UX	07-011-0001
10	CONSOL MINING COMPANY LLC	07-011-0002
11	CONSOL MINING COMPANY LLC	07-011-0003
12	SCOTT D. SHALAWAY, ET UX	07-011-0004
13	DONALD REX QUIGLEY, ET UX	07-016-0036
14	CO. RT. 96 ROW	
15	HINKLE FAMILY TRUST	07-015-0001
16	JAMES W. DEVER	07-020-0022
17	HINKLE FAMILY TRUST	07-015-0019
18	CLAUDE R. STEPHENS EST, ET AL	07-020-0023

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL
A	JEAN JAMISON	07-007-0009.1
B	ANTHONY M. SKRYPEK	07-007-0010
C	GAIL L. ZWICK - LIFE	07-006-0008
D	CONSOL MINING COMPANY LLC	07-006-0010
E	CONSOL MINING COMPANY LLC	07-006-0012
F	MARVIN AND SHIRLEY BYARD	07-006-0014
G	CONSOL MINING COMPANY LLC	07-011-0008
H	DOUGLAS AND DEANA MCCOMBS	07-011-0007
I	DONALD REX QUIGLEY, ET UX	07-011-0005
J	DONALD QUIGLEY, ET UX	07-011-0017
K	ANDREW MCCURDY, ET UX	07-016-0036.2
L	ANDREW DAVID MCCURDY	07-011-0017.1
M	DONALD MACK QUIGLEY, ET UX	07-011-0018
N	DOUGLAS R. AND REBECCA J. MCCOMBS	07-011-0019
O	EVE GORDON - LIFE	07-015-0001.1
P	DONALD REX AND ELLEN QUIGLEY	07-016-0036.1
Q	THOMAS P. AND TAMARA R. WOOD	07-015-0017
R	HAROLD LEROY DOTY JR	07-015-0018
S	AMMON A. BURLEY	07-020-0024
T	LILLIAN A. KERBY	07-020-0021
U	JOHN E. RIGGS JR, ET UX	07-016-0044
V	LOUIS S. MCCLELLAND EST	07-016-0037
W	JOHN MATTHEW BUTLER	07-016-0039
X	DONALD QUIGLEY, ET UX	07-016-0033
Y	TERRY A. AND DONNA L. BONAR	07-016-0035
Z	DAVID L. ELSON, ET UX	07-016-0032
AA	RUSSELL ALLEN DOTSON JR, ET UX	07-016-0031
BB	NAOMI WILLIAMS STARKEY	07-010-0025
CC	HOWARD E WILLIAMS	07-010-0025.1
DD	DEBRSE A. HORNER - LIFE	07-016-0023
EE	GARY RAY DOBBS, ET AL	07-010-0022
FF	CONSOLIDATED COAL COMPANY	07-010-0019
GG	GARY RAY DOBBS, ET AL	07-010-0018
HH	GAIL ZWICK - LIFE	07-007-0012
II	TIMOTHY R. CAIN	07-007-0006.1
JJ	TIMOTHY R. CAIN	07-007-0006.2
KK	CONSOLIDATED COAL COMPANY	07-007-0006.3
LL	JUDITH A. AND VIRGINIA L. BURGE	07-020-0006
MM	JUDITH A. AND VIRGINIA L. BURGE	07-016-0040
NN	KENNETH WAYNE STEELE TRUST	07-007-0008.1

API WELL #: 47 051 02302 HGA
 STATE COUNTY PERMIT

REVISIONS:	COMPANY:		
	OPERATOR'S	CHARLES JAMISON MSH	DATE: 05-20-2019
	WELL #:	<u>47-051-02302 HGA</u> 210H	DRAWN BY: K.E.S.
	DISTRICT:	LIBERTY DISTRICT	SCALE: N/A
	COUNTY:	MARSHALL	DRAWING NO: 170-426
	STATE:	WV	WELL LOCATION PLAT 2