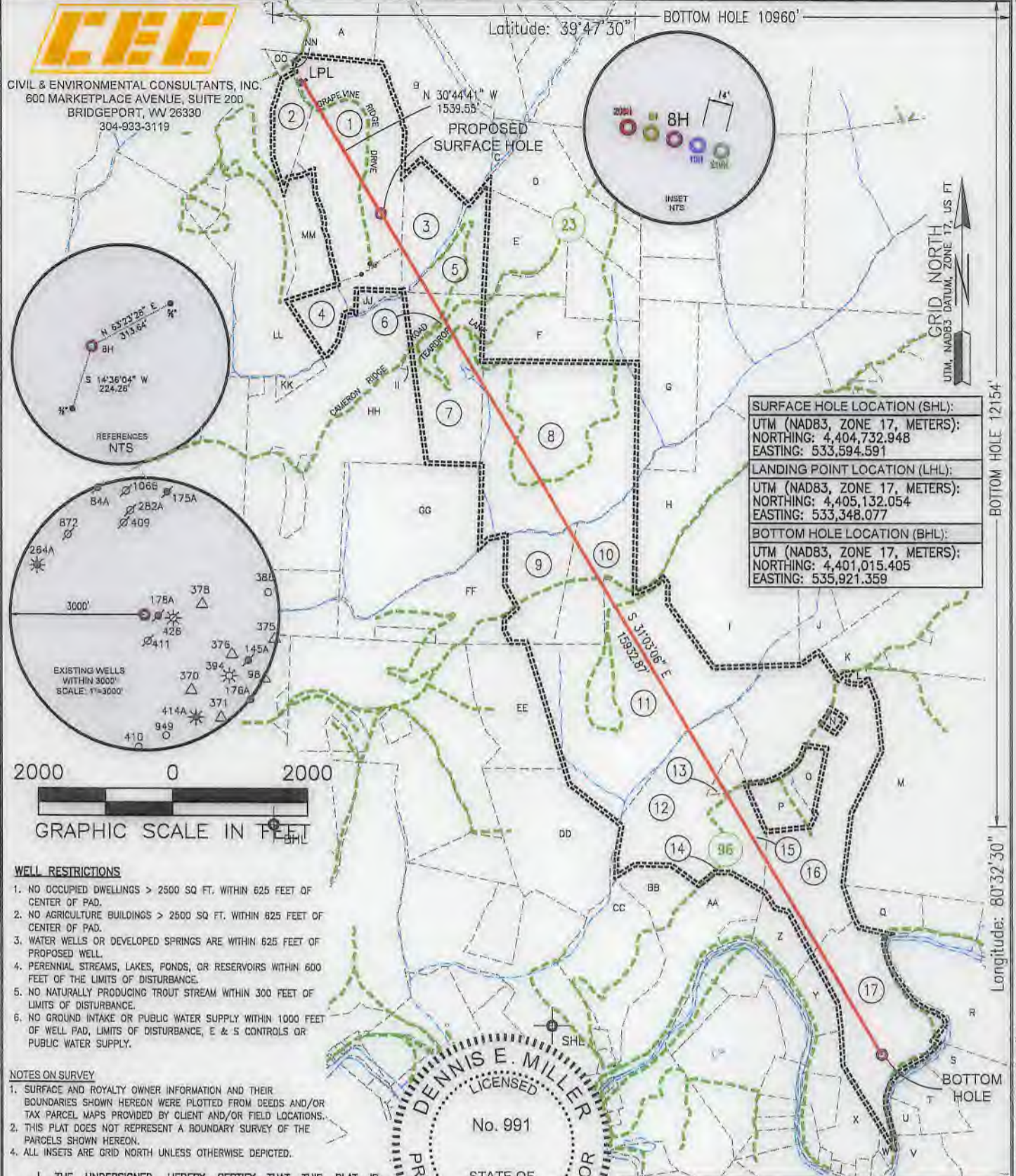
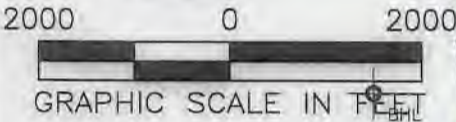
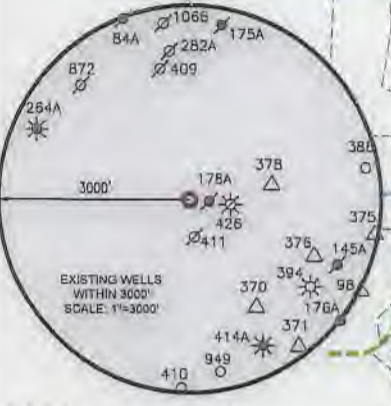


Latitude: 39°50'00" SURFACE HOLE 6826'

Latitude: 39°47'30" BOTTOM HOLE 10960'



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



- 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.



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,404,732.948
EASTING: 533,594.591
LANDING POINT LOCATION (LHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,405,132.054
EASTING: 533,348.077
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,401,015.405
EASTING: 535,921.359

P.S. 991

(+) 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)

COMPANY: **SWN SWN** Production Company, LLC Production Company™

CHARLES JAMISON MSH

OPERATOR'S WELL #: 8H

API WELL #: 47 051 02127

STATE COUNTY PERMIT

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: 7,291 TVD 23,932.04 TMD

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

ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	REVISIONS:	DATE: 08-06-2019
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	— LEASE BOUNDARY		
LPL LANDING POINT LOCATION	— EXISTING WATER WELL	— PROPOSED PATH		
⊙ 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	CONSOLIDATED COAL COMPANY	07-007-0006.3
3	GAIL ZWICK - LIFE	07-007-0012
4	TIMOTHY R. CAIN	07-007-0006.1
5	GAIL ZWICK - LIFE	07-007-0014
6	CO. RT. 23 ROW (CAMERON RIDGE ROAD)	
7	CONSOLIDATED COAL COMPANY	07-010-0019
8	GARY RAY DOBBS, ET UX	07-010-0021
9	HOWARD E WILLIAMS	07-010-0025.1
10	NAOMI WILLIAMS STARKEY	07-010-0025
11	RUSSELL ALLEN DOTSON JR, ET UX	07-016-0031
12	DONALD REX QUIGLEY, ET UX	07-016-0033
13	DAVID L. ELSON, ET UX	07-016-0032
14	CO. RT. 96 ROW	
15	DAVID L. ELSON, ET UX	07-016-0034
16	DONALD REX QUIGLEY, ET UX	07-016-0036
17	LILLIAN A. KERBY	07-020-0021

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	KENNETH WAYNE STEELE TRUST	07-007-0008.1
B	KENNETH WAYNE STEELE TRUST	07-007-0011
C	GAIL ZWICK - LIFE	07-006-0008
D	CONSOL MINING COMPANY LLC	07-006-0010
E	GAIL ZWICK - LIFE	07-006-0012.1
F	JACK R. BUZZARD, ET UX	07-010-0020
G	JACK R. BUZZARD, ET UX	07-011-0001
H	CONSOL COMPANY LLC	07-011-0003
I	SCOTT D. SHALAWAY, ET UX	07-011-0004
J	DONALD REX QUIGLEY, ET UX	07-011-0005
K	DONALD QUIGLEY, ET UX	07-011-0017
L	ANDREW MCCURDY, ET UX	07-016-0036.2
M	HINKLE FAMILY TRUST	07-015-0001
N	DONALD REX AND ELLEN QUIGLEY	07-016-0036.1
O	STEPHANIE L. WHITE	07-016-0036.3
P	TERRY A. AND DONNA L. BONAR	07-016-0035
Q	JAMES W. DEVER	07-020-0022
R	CLAUDE R. STEPHENS EST, ET AL	07-020-0023
S	AMMON A. BURLEY	07-020-0024
T	CONRAD M. BERISFORD, ET UX	07-020-0020
U	CONRAD M. BERISFORD, ET UX	07-020-0019
V	AMMON A. BURLEY	07-020-0018
W	WYATT A. MCCLURE	07-020-0017
X	ROBERT B. MCCLURE	07-020-0013
Y	JOHN E. RIGGS JR, ET UX	07-016-0044
Z	LOUIS S. MCCLELLAND EST	07-016-0037
AA	JOHN MATTHEW BUTLER	07-016-0039
BB	JEREMIAH N. AND ANDREA J. MAGERS	07-016-0033.1
CC	JOHN M. BUTLER	07-016-0026.1
DD	RUSSELL ALLEN DOTSON JR, ET UX	07-016-0028
EE	RALPH E. WILLIAMS	07-016-0030
FF	DELORSE A. HORNER - LIFE	07-016-0023
GG	GARY RAY DOBBS, ET AL	07-010-0022
HH	GARY RAY DOBBS, ET AL	07-010-0018
II	JEFFREY A. MURRAY	07-010-0018.2
JJ	CHARLES AND JEAN JAMISON	07-007-0013
KK	GARY RAY DOBBS, ET AL	07-010-0017
LL	CONSOL MINING COMPANY LLC	07-007-0005.3
MM	TIMOTHY R. CAIN	07-007-0006.2
NN	CONSOLIDATED COAL COMPANY	07-007-0007
OO	CONSOLIDATED COAL COMPANY	07-007-0007.1

API WELL #: **47** **051** **02121 MDD #1**
 STATE COUNTY PERMIT

REVISIONS:	COMPANY:		
	OPERATOR'S		
	WELL #:		DATE: 08-06-2019
	DISTRICT:		DRAWN BY: K.E.S.
	COUNTY:	STATE:	SCALE: N/A
	LIBERTY DISTRICT	WV	DRAWING NO: 170-426
			WELL LOCATION PLAT 2