

SHL Latitude: 40°12'30"

7,580'

BHL Latitude: 40°10'00"

3,991'

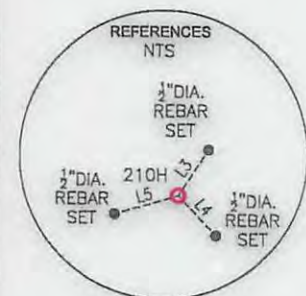
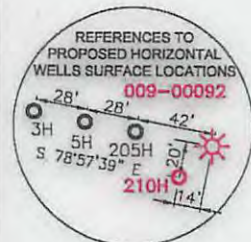


RETTEW Associates, Inc.
27 Travato Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8395
Email: rattlew@rettew.com
Website: www.rattlew.com

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains survey data for lines L1 through L5.

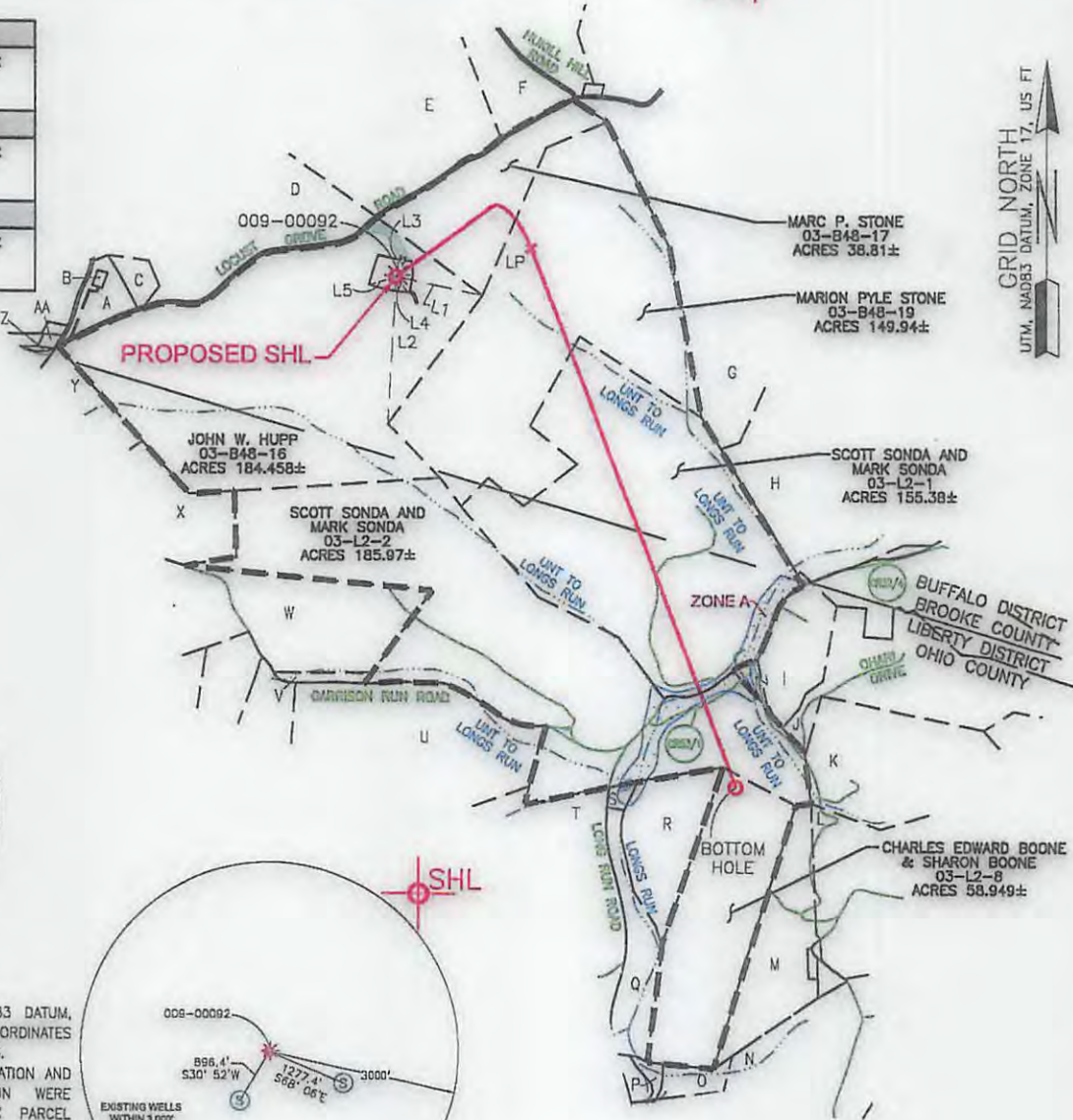
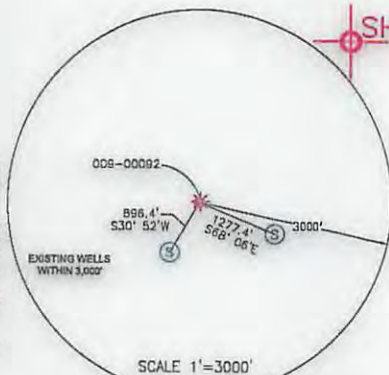


Location data tables for SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), and BOTTOM HOLE LOCATION (BHL) with UTM coordinates.



NOTES ON SURVEY

- 1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.



ADJOINING OWNER INFORMATION (SEE ADJOINING OWNER SHEET)

2000 0 2000

GRAPHIC SCALE IN FEET

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. 2313



(+) 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)

COMPANY: SWN Production Company, LLC

JOHN HUPP BRK
OPERATOR'S WELL #: 210H
API WELL #: 47 STATE COUNTY PERMIT

Well type and location details: WELL TYPE: OIL, WASTAGE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW. WATERSHED: UPPER OHIO NORTH. DISTRICT: BUFFALO. COUNTY: BROOKE. SURFACE OWNER: JOHN W. HUPP & LINDA H. DOUBLE. OIL & GAS ROYALTY OWNER: JOHN W. HUPP & LINDA H. DOUBLE. 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: 6,343' TVD 12,911' TMD.

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378
DESIGNATED AGENT: DEE SOUTHALL
ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378

Legend and Revisions table. Legend includes symbols for proposed surface hole, existing well, abandoned well, plugged well, cut conductor, access road, tie line, lease boundary, 500' DHP buffer, Marcellus DHP, and abandoned path. Revisions table includes date and drawing details.



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ADJOINING OWNERS

TRACT	ADJOINING PROPERTY OWNERS	TAX PARCEL	ACRES
A	GNAC ENTERPRISES LP	03-B48-7-2	5.629±
B	WINDSOR POWER HOUSE COAL CO	03-B48-7	0.49±
C	WILLIAM BRITT COX	03-B48-7-1	1.681±
D	WILLIAM BRITT COX	03-B48-8	79.27±
E	LAWRENCE RAY PYLE & JUDITH A. PYLE	03-B48-18	110.49±
F	ANNA MAE NORDEN	03-B48-22	103.00±
G	SCOTT SONDA & MARK SONDA	03-B48-20	139.00±
H	MARION PYLE STONE	03-B48-41	133.00±
I	WINDSOR COAL COMPANY	03-L2-9	20.07±
J	MICHAEL OHARA & DEIDRA OHARA	03-L2-10-2	46.94±
K	MICHAEL BREITINGER	03-L2-11	46.30±
L	CHAD & JULIE C. COX	03-L2-12	75.91±
M	CHARLES EDWARD BOONE	03-L2-8-4	30.97±
N	SHARON GARRISON (LIFE ESTATE)	03-L5-29	102.00±
O	CHARLES W. & CHRISTY D. GROUNDS	03-L5-4	2.81±
P	JAMES A. HUNTSMAN	03-L5-4-3	0.83±
Q	TIMOTHY W. & KITTY J. ELLIOTT	03-L2-7	18.54±
R	WINDSOR COAL COMPANY	03-L2-8-3	25.12±
S	ALISHA D. & SCOTT B. MEDLEN	03-L2-7-2	1.00±
T	JOAN C. MILLER (LIFE ESTATE)	03-L2-7-1	176.07±
U	BAIRD C. KLOSS	03-L2-4	112.40±
V	LARRY G. BALL	03-L1-38-5	1.85±
W	LARRY G. BALL	03-L1-38	130.46±
X	KEVIN K. & CYNTHIA R. MCGEE	03-L2-15-1	29.36±
Y	LARRY G. BALL	03-L1-38-3	38.49±
Z	ARLIE R. MCCARDLE JR	03-B47-46	0.35±
AA	RICK A. & LURA JOSEPH	03-B47-45	0.62±

03/03/2017

REVISIONS:	COMPANY:	
	OPERATOR'S	JOHN HUPP BRK
	WELL #:	210H
	LOCATION:	BUFFALO DISTRICT, BROOKE COUNTY, WEST VIRGINIA
	DATE:	11-30-2016
	DRAWN BY:	A. BENNER
	SCALE:	N/A
	DRAWING NO:	087569048
	ADJOINING OWNERS	