

Top Hole Latitude: 40°15'00"

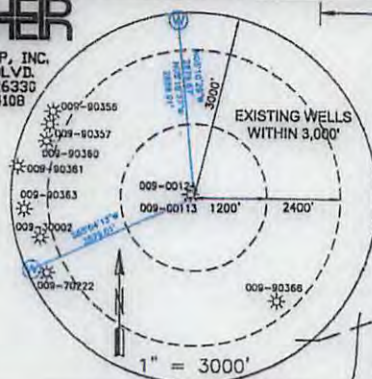
10,956'

Bottom Hole Latitude: 40°15'00"-9,449'

**THRASHER**

THE THRASHER GROUP, INC.  
600 WHITE OAKS BLVD.  
BRIDGEPORT, WV 26330  
PHONE 304-624-4108

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT

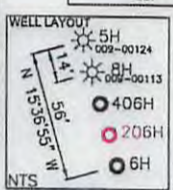


TRACT	ADJONER	TAX PARCEL
A	JOHN PRATHER GOOD III & LAURIE THOMAS	03-832-0119-0000
B	JOHN PRATHER GOOD JR IRREVOCABLE TRUST	03-832-0057-0000
C	MARK T. NICHOLSON	03-838-0045-0000
D	MARK T. NICHOLSON	03-838-0046-0000
E	HARRY J. LOWE	03-838-0047-0000
F	LESLIE & GAYLENE ELSON	03-838-0051-0000
G	LESLIE & GAYLENE ELSON	03-838-0052-0000
H	LESLIE & GAYLENE ELSON	03-838-0050-0000
I	LESLIE & GAYLENE ELSON	03-838-0048-0000
J	PERRY M. STUMPF	03-838-0057-0000
K	MATTHEW T. NICHOLSON	03-838-0043-0000
L	MARK T. NICHOLSON & KIMBORLY J. NICHOLSON	03-838-0042-0001
M	ROY T. NICHOLSON	03-838-0042-0000
N	ROY T. NICHOLSON	03-838-0041-0000
O	AMY LYNN RICE	03-838-0040-0000
P	GEORGE S. RICE	03-838-0039-0000
Q	BRIAN CORNH	03-843-0028-0000
R	BETHANY VOLUNTEER FIRE DEPARTMENT	03-843-0003-0000
S	ROBERT & MARY MOZINGO	03-843-0008-0001
T	BRIAN LEE DECK	03-843-0007-0000
U	WINDSOR POWER HOUSE COAL CO	03-843-0000-0000
V	MARY W. CHAMBERS	03-843-0012-0000
W	MARY W. CHAMBERS	03-843-0013-0000
X	WINDSOR POWER HOUSE COAL CO	03-843-0015-0000
Y	MARY W. CHAMBERS	03-843-0014-0000
Z	WINDSOR POWER HOUSE COAL CO	03-843-0016-0000
AA	WINDSOR POWER HOUSE COAL CO	03-842-0048-0000
AB	JOHN B. DAUGHTERY	03-837-0035-0000
AC	KEITH LUTHE	03-837-0087-0000
AD	THEODORE R. BUNWELL	03-837-0098-0000
AE	WILLIAM E. JOHNSTON & GLORIA BONHAY	03-837-0069-0000
AF	JOSEPH K. BONHAY, SR. & GLORIA J. BONHAY	03-837-0069-0001
AG	JOSEPH K. & GLORIA BONHAY	03-837-0070-0000
AH	JOHN E. & SHERILL J. RIPLEY	03-837-0081-0000
AI	TRAVIS POLEN	03-837-0039-0000
AJ	JEREMY S. PERSINGER	03-837-0057-0000
AK	ERIAN COHAN, RICHARD COHAN, DIANE E. DIGHT, JODY TENHANT	03-837-0058-0000
AL	MARLIN G. SR & JOY CRAWFORD	03-837-0035-0000
AM	LAWRENCE PAUL SMITH, SR.	03-837-0054-0000
AN	WILLIAM E. & HAZEL E. JOHNSTON	03-837-0053-0001
AO	CLEO KLAGES	03-837-0052-0000
AP	BONNIE LUKACIEN & SHAYNE SCHUETZNER	03-837-0049-0000
AQ	LLOYD M. & ALICE WERMA	03-837-0125-0000
AR	BRADFORD L. JONES & SHARON E. SHYDER	03-832-0123-0000
AS	TRAVIS A. MILLER	03-832-0122-0000
AT	GRAG & COURTNEY HAVELKA	03-832-0121-0000

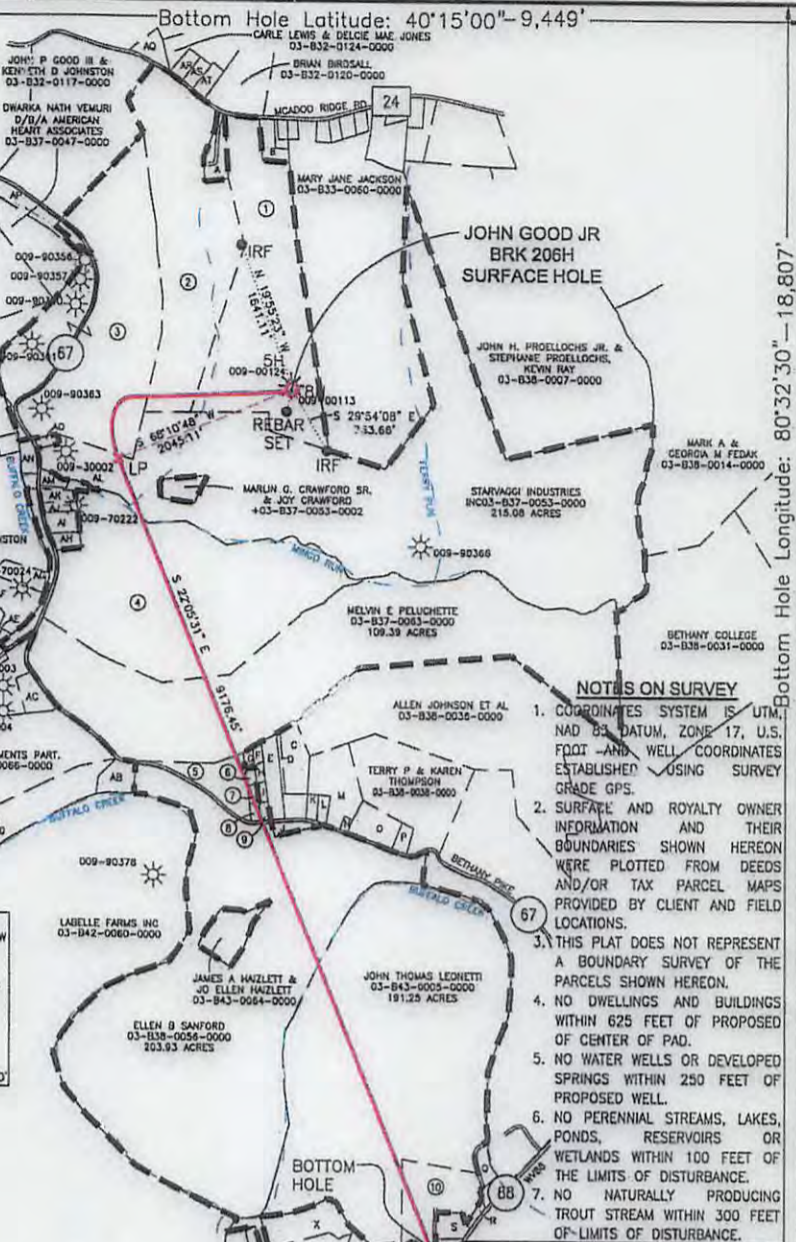
MARK A CHRISTMAN  
03-837-0045-0000

WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON  
03-837-0073-0000

ELLEN B SANFORD  
03-837-0078-0000

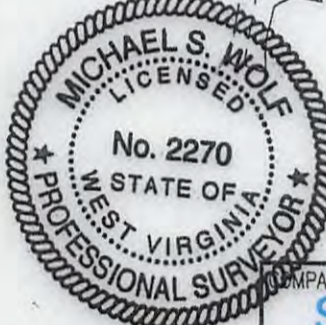


TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	JOHN P. GOOD III, TRUSTEE OF THE JOHN P. GOOD JR. IRREVOCABLE TRUST	03-838-0001-0000	66.57
2	PHYLIS A. MARSH, TRUSTEE OF THE PHYLIS A. MARSH LIVING TRUST	03-832-0118-0000	60.023
3	BONNIE LEE LUKACIEN-SHELLEY CARRELL, SHAYNE SCHUETZNER, SHARON SCHUETZNER, SUEY SCHUETZNER, CHEN SHAWP, JOHN THOMAS RODGERS, INCE ELEANETH ROLLINS	03-837-0048-0000	61.50
4	WILDA L. RIPLEY, JOHN E. RIPLEY, & SHERILL J. RIPLEY	03-837-0081-0000	65.40
5	DEANNA ARACHO AND MORGAN A. ARACHO, TENANTS IN COMMON	03-837-0054-0000	8.30
6	LESLIE & GAYLENE ELSON	03-838-0053-0000	0.48
7	LESLIE & GAYLENE ELSON	03-838-0054-0000	0.47
8	LESLIE & GAYLENE ELSON	03-838-0055-0000	0.45
9	LESLIE & GAYLENE ELSON	03-838-0048-0000	0.45
10	LEONA MAE DECK	03-843-0009-0000	12.81



- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT - AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
  - 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.
  - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  - NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
  - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
  - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
  - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

LOCATION	UTM (NAD83, ZONE 17, METERS):
SURFACE HOLE LOCATION (SHL):	NORTHING: 4,452,685.274 EASTING: 535,674.834
LANDING POINT LOCATION (LPL):	NORTHING: 4,452,453.580 EASTING: 535,096.142
BOTTOM HOLE LOCATION (BHL):	NORTHING: 4,449,861.946 EASTING: 535,148.076



GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC

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. 2270 *M.S. Wolf* 1/6/17

(+) 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)

OPERATOR'S WELL #: JOHN GOOD JR BRK 206H  
API WELL #: 47 009 00196  
STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION  DEEP GAS LIQUID INJECTION STORAGE SHALLOW   
WATERSHED: BUFFALO CREEK ELEVATION: 1152.6'  
DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY  
SURFACE OWNER: JOHN P. GOOD III, TRUSTEE OF THE JOHN P. GOOD JR., IRREVOCABLE TRUST ACREAGE: 66.57  
OIL & GAS ROYALTY OWNER: JOHN P. GOOD, JR. ACREAGE: 66.57  
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: 5,890' 06/09/2017

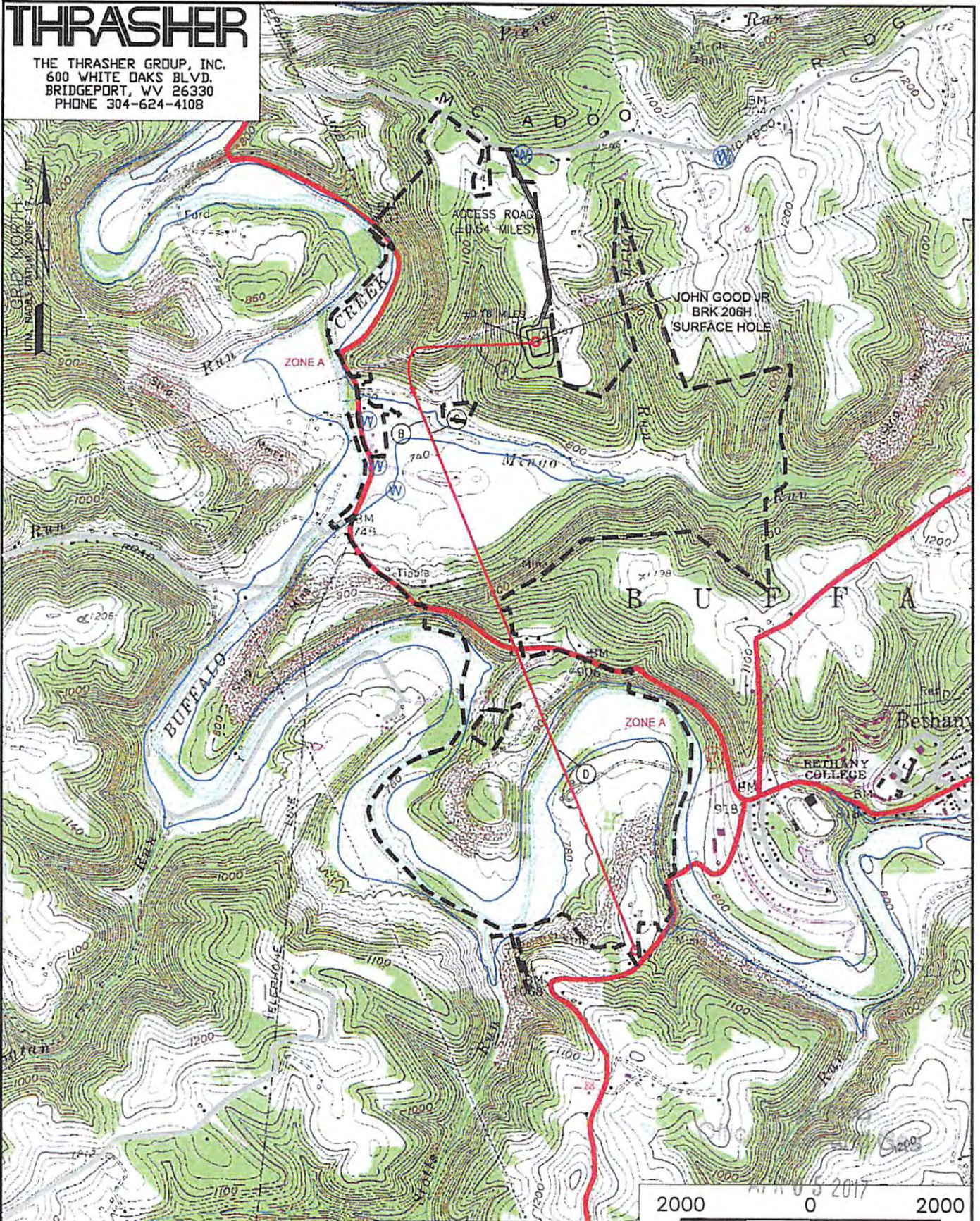
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL  
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300  
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:  
PROPOSED SURFACE HOLE / BOTTOM HOLE  
EXISTING / PRODUCING WELLHEAD  
ABANDONED WELL  
PLUGGED & ABANDONED WELL  
CUT CONDUCTOR  
EXISTING SPRING  
EXISTING WATER WELL  
LEASE BOUNDARY  
MARCELLUS DHP  
ABANDONED PATH  
REVISIONS:  
DATE: 01-06-2017  
DRAWN BY: E. LYTLE  
SCALE: 1" = 2000'  
DRAWING NO: 050-5700  
WELL LOCATION PLAT



# THRASHER

THE THRASHER GROUP, INC.  
600 WHITE OAKS BLVD.  
BRIDGEPORT, WV 26330  
PHONE 304-624-4108



WELL: JOHN GOOD JR BRK 206H  
QUAD: BETHANY, WV

GRAPHIC SCALE IN FEET

NAME AND DISTANCE TO THE NEAREST STREAM: UNNAMED TRIBUTARY TO MINGO RUN IS LOCATED ±0.18 MILES NORTHEAST OF THE CENTER OF THE DRILL PAD.	STREAM CROSSING COORDINATES (NAD 83): A. LAT: 40.223672° / LONG: -80.584020° B. LAT: 40.220502° / LONG: -80.586845° C. LAT: 40.219987° / LONG: -80.586576° D. LAT: 40.206795° / LONG: -80.579685°
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COMPANY:

SWN  
Production Company, LLC

SWN  
Production Company™

**WELL RESTRICTIONS:**

WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: >100 FEET
WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: >300 FEET
WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: >1000 FEET
WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: >250 FEET
CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >625 FEET
CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >525 FEET

OPERATOR'S: JOHN GOOD JR

WELL #: BRK 206H

LOCATION: BUFFALO DISTRICT, BROOKE COUNTY, WEST VIRGINIA

SURFACE HOLE LOCATION:

GEOGRAPHIC (NAD83):  
LATITUDE: 40.223833°  
LONGITUDE: -80.580693°

06/09/2017

**FEMA FLOOD INFORMATION:**  
BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF BROOKE COUNTY, WEST VIRGINIA; MAP NUMBER 54009C0130D; EFFECTIVE DATE: APRIL 19, 2010.

BOTTOM HOLE LOCATION:

GEOGRAPHIC (NAD83):  
LATITUDE: 40.198376°  
LONGITUDE: -80.575289°

**LEGEND:**

PROPOSED SURFACE HOLE / BOTTOM HOLE	EXISTING SPRING
EXISTING / PRODUCING WELLHEAD	EXISTING WATER WELL
ABANDONED WELL	ACCESS ROAD
PLUGGED & ABANDONED WELL	ACCESS ROAD TO PREV. SITE
CUT CONDUCTOR	HIGHWAY/INTERSTATE
	COUNTY ROAD

REVISIONS:	DATE: 01-06-2017
	DRAWN BY: E. LYTLE
	SCALE: 1" = 2000'
	DRAWING NO: 050-5700
	TOPOGRAPHIC MAP