

THRASHER

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

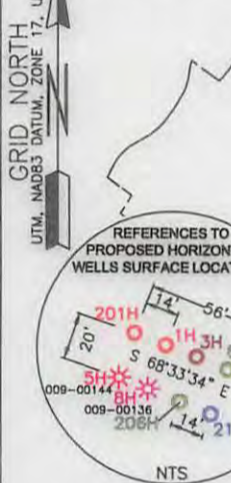
LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	N 67°49'03" W	27.32'	SHL TO 5H	EXISTING WELL HEAD
L2	N 13°21'25" W	24.67'	SHL TO 206H	PROPOSED WELL HEAD
L3	N 70°19'25" W	3689.79'	SHL TO LANDMARK	IRF FOUND
L4	N 32°32'30" W	2686.48'	SHL TO LANDMARK	CONCRETE MONUMENT
L5	S 77°09'09" W	572.95'	SHL TO LP	LANDING POINT
L6	S 08°04'41" E	6237.15'	SHL TO BHL	BOTTOM HOLE

NOTES ON SURVEY

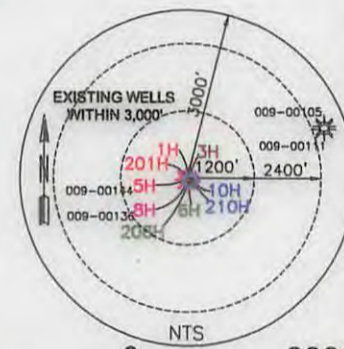
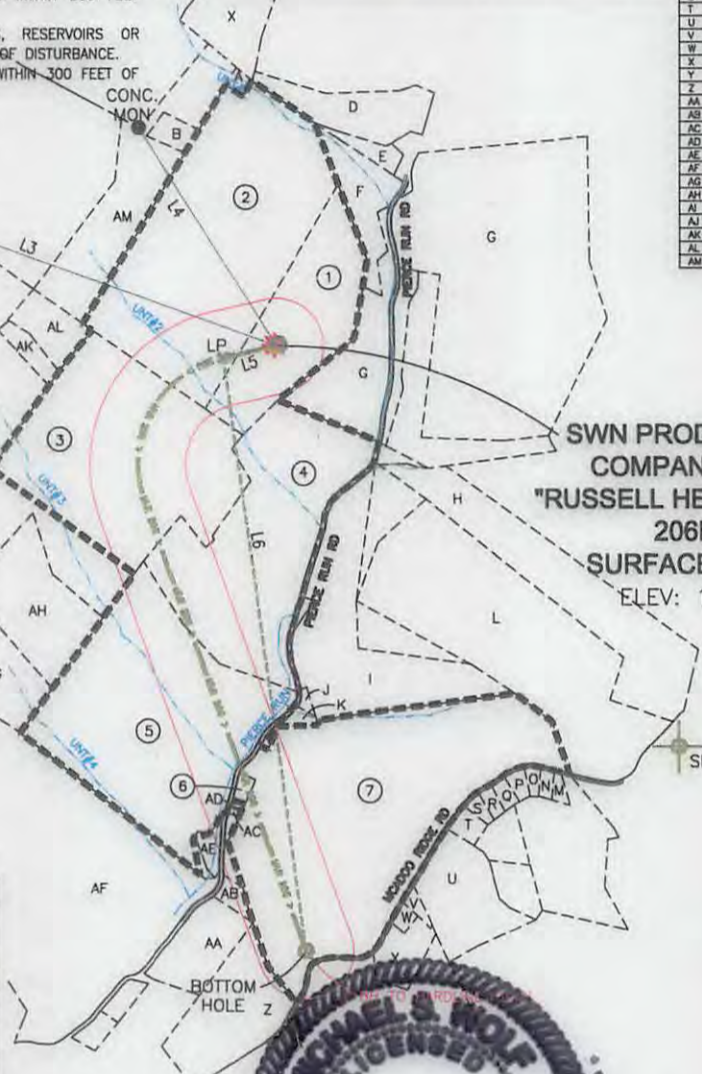
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT 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.

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	(S)RUSSELL D. HERVEY (R)RUSSELL D. HERVEY AND LISA K. HERVEY	05-03-828-0045-0000	37.84
2	(S)WILLIAM JUDSON HERVEY III (R)WILLIAM JUDSON HERVEY III AND THERESA J. HERVEY	05-03-828-0045-0002	112.51
3	(S)MICHAEL AND BARBARA WHITCO, ET AL (R)BARBARA AND MICHAEL WHITCO (R)PATRICIA GRAHAM	05-03-828-0043-0000	72.00
4	(S)(R)STARVAGGI INDUSTRIES	05-03-833-0025-0000	81.23
5	(S)(R)PHOENIX-GREENLAWN PARTNERS, LLC	05-03-833-0029-0000	83.50
6	(S)(R)SHARON A. CUNNINGHAM	05-03-833-0032-0000	1.06
7	(S)JAMES H. AND PAMELA J. STEWART (R)JAMES H. STEWART AND PAMELA JO STEWART	05-03-833-0031-0000	141.88

TRACT	ADJOINER	PARCEL
A	JAMES R. AND KAREN L. HERVEY	05-03-828-0045-0003
B	CHARLIE D. AND BRITNEY L. FARRIS	05-03-828-0045-0004
C	MICHAEL WHITCO, ET AL	05-03-828-0029-0000
D	DONALD AND JANICE EATON	05-03-828-0057-0000
E	BERNARD J. KNORR, III AND NICOLE C. KNORR	05-03-828-0057-0002
F	BERNARD J. KNORR, III AND NICOLE C. KNORR	05-03-828-0059-0000
G	BROOKE COUNTY PARK COMMISSION	05-03-828-0084-0000
H	BROOKE COUNTY PARK COMMISSION	05-03-828-0080-0000
I	STARVAGGI INDUSTRIES, INC.	05-03-833-0028-0000
J	STELLA MERMOK	05-03-833-0027-0000
K	THEODORE E. AND MELISSA A. EATON	05-03-833-0028-0000
L	PHOENIX-GREENLAWN PARTNERS, LP	05-03-833-0113-0000
M	CHARLES L. AND LAURA J. MCGOWAN	05-03-833-0107-0001
N	CHARLES L. AND LAURA J. MCGOWAN	05-03-833-0107-0002
O	CHARLES L. AND LAURA J. MCGOWAN	05-03-833-0107-0003
P	CHARLES L. AND LAURA J. MCGOWAN	05-03-833-0107-0004
Q	DON KOSCEVIC, ET AL	05-03-833-0107-0005
R	JAMIE D. BURNS	05-03-833-0107-0006
S	JAMIE D. BURNS	05-03-833-0107-0008
T	JOHN T. AND SALLY JEAN MILLER	05-03-833-0112-0000
U	HENRY E. DORLEY IV AND YVONNE CAITHRONE	05-03-833-0108-0000
V	MARGARET ELLEN CORBIN	05-03-833-0105-0000
W	CHARLES R. CORBIN, JR. AND MARGARET L. CORBIN	05-03-833-0104-0000
X	CHARLES R. CORBIN, JR.	05-03-833-0103-0000
Y	CHARLES R. CORBIN, JR. AND MARGARET L. CORBIN	05-03-833-0102-0000
Z	MELVIN AND DORIS CLEBERTSON	05-03-833-0086-0000
AA	PHOENIX-GREENLAWN PARTNERS, LP	05-03-833-0035-0000
AB	PHOENIX-GREENLAWN PARTNERS, LP	05-03-833-0034-0000
AC	DONALD M. AND JANICE F. EATON	05-03-833-0033-0000
AD	SHARON A. CUNNINGHAM	05-03-833-0033-0001
AE	SHARON A. CUNNINGHAM	05-03-833-0030-0000
AF	PHOENIX-GREENLAWN PARTNERS, LP	05-03-833-0040-0000
AG	PHOENIX-GREENLAWN PARTNERS, LP	05-03-833-0023-0000
AH	PHOENIX-GREENLAWN PARTNERS, LP	05-03-833-0024-0000
AJ	DONNA M. SULLIVAN	05-03-828-0022-0000
AJ	MICHAEL WHITCO, ET AL	05-03-828-0029-0000
AK	RANDY R. AND PATRICIA J. GRAHAM	05-03-828-0042-0000
AM	FREDERICK L. AND CATHY JO HERVEY	05-03-828-0045-0001

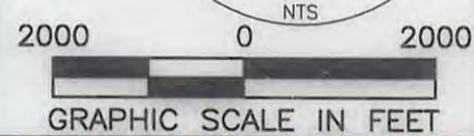


SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,498.485 EASTING: 537,703.119
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,459.654 EASTING: 537,532.855
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,454,577.429 EASTING: 537,800.002



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 *[Signature]* 1/14/16



(+) 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 Production Company, LLC SWN Production Company, LLC OPERATOR'S WELL #: 206H API WELL #: 47 009 0017146A
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: BUFFALO CREEK DISTRICT: BUFFALO COUNTY: BROOKE SURFACE OWNER: RUSSELL D. HERVEY OIL & GAS ROYALTY OWNER: RUSSELL D. HERVEY & LISA K. HERVEY

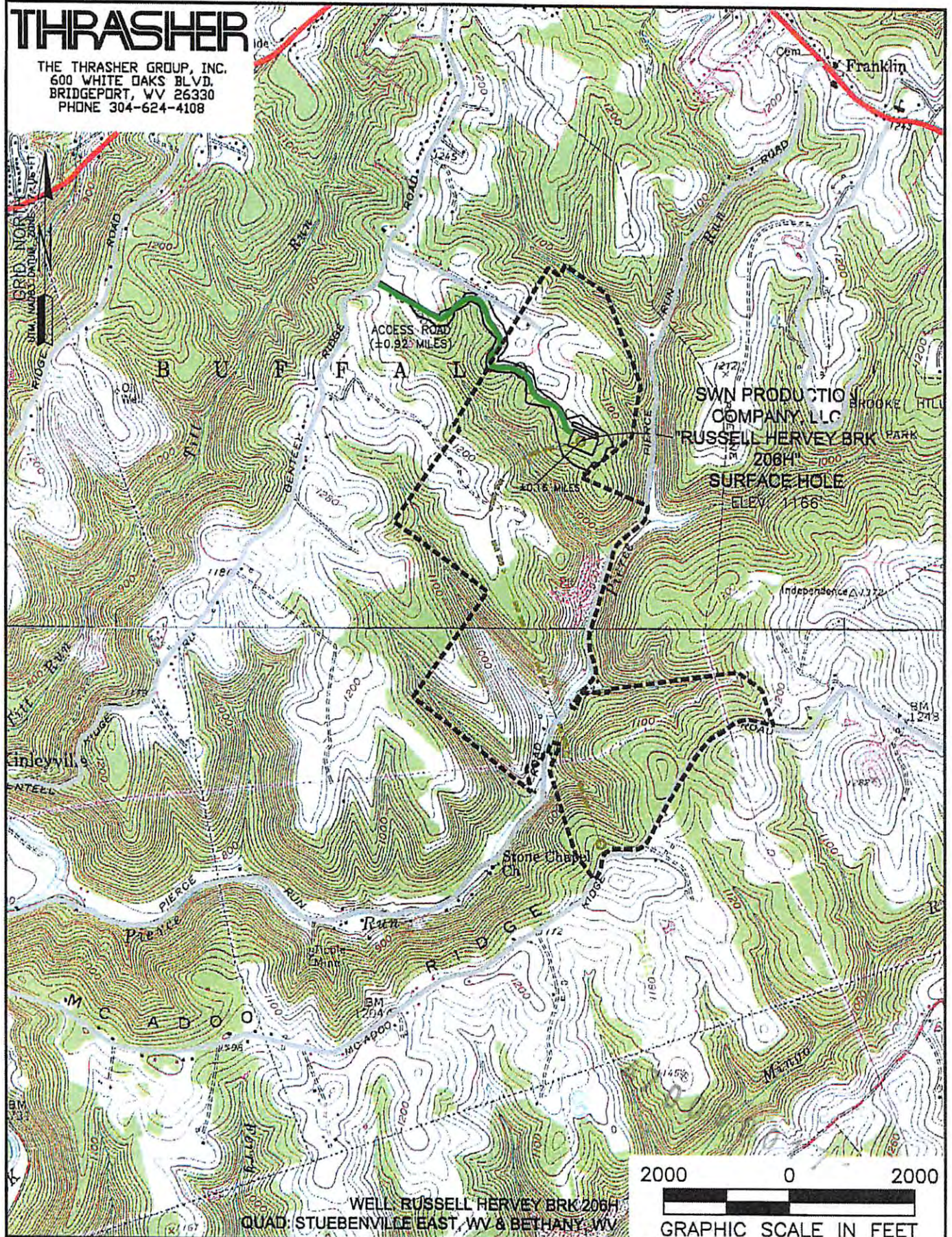
DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) _____
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,873' TVD 13,109' TMD

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

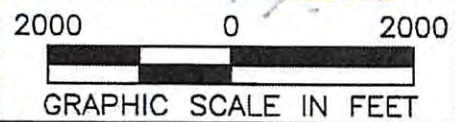
LEGEND:
 ● PROPOSED SURFACE HOLE / BOTTOM HOLE
 ✖ EXISTING / PRODUCING WELLHEAD
 ○ ABANDONED WELL
 ✖ PLUGGED & ABANDONED WELL
 △ CUT CONDUCTOR
 - - - - - LEASE BOUNDARY
 - - - - - 500' DHP BUFFER
 - - - - - MARCELLUS DHP
 - - - - - ABANDONED PATH

THRASHER

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600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108



WELL: RUSSELL HERVEY BRK 206H
QUAD: STUEBENVILLE EAST, WV & BETHANY, WV



NAME AND DISTANCE TO THE NEAREST STREAM: AN UN-NAMED TRIBUTARY TO PIERCE RUN IS LOCATED ±0.17 MILES SOUTHWEST OF THE CENTER OF THE DRILL PAD.		STREAM CROSSING COORDINATES (NAD 83): A. LAT: 40.257425° / LONG: -80.559752° B. LAT: 40.246185° / LONG: -80.558128°		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: >625 FEET		OPERATOR'S RUSSELL HERVEY BRK		WELL #: 206H	
FEMA FLOOD INFORMATION: NO FLOOD ZONES.		LOCATION: BUFFALO DISTRICT, BROOKE COUNTY, WEST VIRGINIA		SURFACE HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.258098° LONGITUDE: -80.556630° NOV 05 2015 01/15/2016	
LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ○ EXISTING / PRODUCING WELLHEAD ○ ABANDONED WELL ○ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR		○ EXISTING SPRING ○ EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD		REVISIONS: DATE: 11-03-2015 DRAWN BY: E. LYTLE SCALE: 1" = 2000' DRAWING NO: 050-5495 TOPOGRAPHIC MAP	