

Latitude: (STUEBENVILLE EAST) 40°17'30" | 4,189' SHL

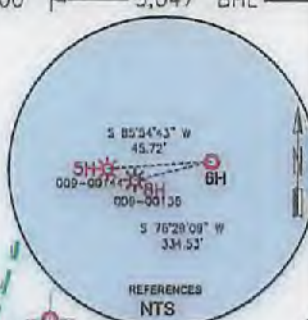
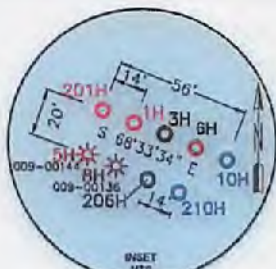
Latitude: (BETHANY) 40°15'00" | 3,047' BHL

THRASHER

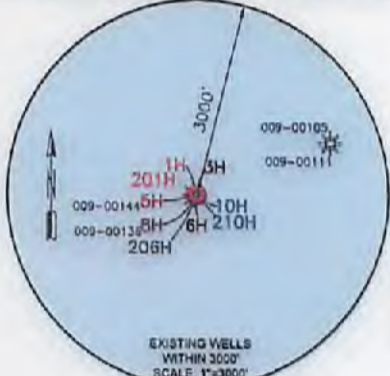
THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

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
1	RUSSELL D. HERVEY	03-0828-0045-0000
2	WILLIAM JUDSON HERVEY III	03-0828-0045-0002
3	MICHAEL WHITCO ET AL	03-0828-0043-0000
4	STARVAGGI INDUSTRIES INC.	03-0833-0025-0000
5	WELLS-DIST LAND CO., LLC.	03-0833-0029-0000
6	WEST VIRGINIA DEPT. OF TRANSPORTATION, DIVISION OF HIGHWAYS	PIERCE RUN ROAD
7	THEODORE EDWIN & MELISSA ANN EATON	03-0833-0028-0000
8	JAMES H. & PAMELA JO STEWART	03-0833-0031-0000
9	CHARLES R. CORBIN JR.	03-0833-0103-0000



LINE	BEARING	DISTANCE
L1	N 33°03'41" W	2686.08'
L2	N 70°37'36" W	3704.34'
L3	S 51°40'34" W	1189.81'
L4	S 20°01'12" E	6130.50'

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,502.621 EASTING: 537,709.308
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,277.736 EASTING: 537,424.798
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,454,522.070 EASTING: 538,064.504

TRACT	ADJACENT	PARCEL
A	WILLIAM JUDSON HERVEY III	03-0828-0045-0002
B	DONALD AND JANICE EATON	03-0828-0054-0000
C	BERNARD J. KNORR, II AND NICOLE C. KNORR	03-0828-0028-0000
D	BERNARD J. KNORR, II AND NICOLE C. KNORR	03-0828-0028-0000
E	BROOKE COUNTY PARK COMMISSION	03-0828-0044-0000
F	BROOKE COUNTY PARK COMMISSION	03-0828-0028-0000
G	STARVAGGI INDUSTRIES, INC.	03-0833-0025-0000
H	STUEBENVILLE EAST	03-0833-0027-0000
I	INDROX-CRECHAW PARTNERS, LP	03-05-0033-0115-0000
J	BARBARA WALES	03-0833-0110-0000
K	CHARLES R. JR. AND LAURA J. MCGOWAN	03-0833-0107-0001
L	CHARLES R. AND LAURA J. MCGOWAN	03-0833-0107-0002
M	CHARLES R. AND LAURA J. MCGOWAN	03-0833-0107-0003
N	CHARLES R. AND LAURA J. MCGOWAN	03-0833-0107-0004
O	DEB RUSSEVIC, ET AL	03-0833-0107-0000
P	JAMES D. BURNS	03-0833-0107-0005
Q	JAMES D. BURNS	03-0833-0107-0006
R	JOHN T. AND SALLY JEAN MILLET	03-05-0033-0178-0000



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

(+) 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 ELEVATION: GRADE GPS (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC

RUSSELL HERVEY BRK
OPERATOR'S WELL #: 6H
API WELL #: 47 STATE 009 COUNTY PERMIT 00255

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

WATERSHED: BUFFALO CREEK ELEVATION: 1166.5'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: STUEBENVILLE EAST & BETHANY

SURFACE OWNER: RUSSELL D. HERVEY ACREAGE: ± 37.84

OIL & GAS ROYALTY OWNER: RUSSELL D. HERVEY AND LISA K. HERVEY ACREAGE: ± 37.84

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

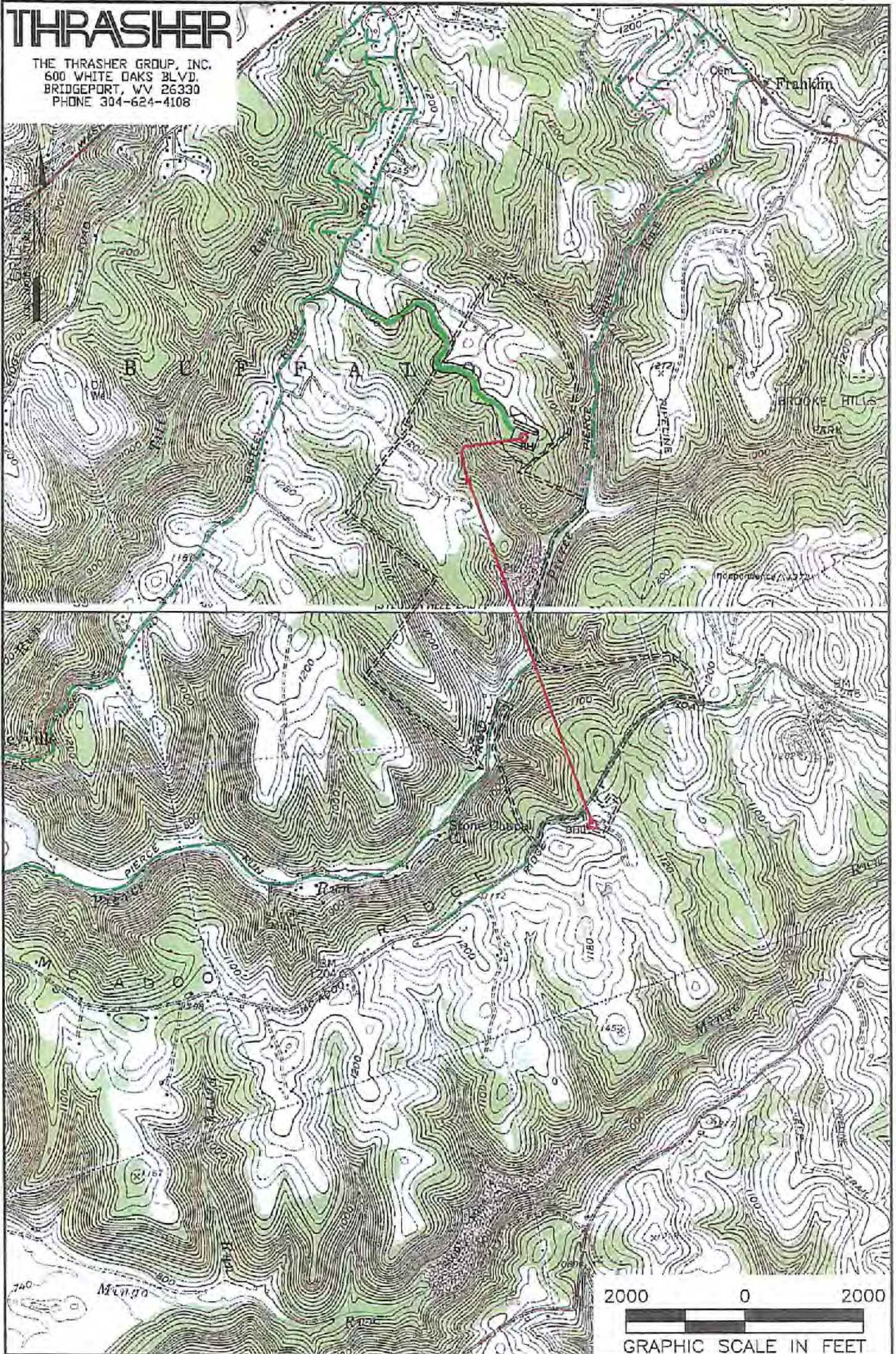
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,986' TVD 12,467' TMD

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:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	04-10-2018
⊗ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL LANDING POINT LOCATION	— LEASE BOUNDARY	
⊕ EXISTING WATER WELL	— PROPOSED PATH	
⊙ EXISTING SPRING		
		DRAWN BY: R. DOERR
		SCALE: 1" = 2000'
		DRAWING NO: 050-5495
		WELL LOCATION PLAT

THRASHER

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NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREIN 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.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ✱ EXISTING / PRODUCING WELLHEAD
- LPLM LANDING POINT LOCATION
- FLOOD PLAN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

RECEIVED
Office of Oil and Gas

APR 12 2018

WV Department of Environmental Protection

WELL (FARM) NAME: RUSSELL HERVEY BRK		WELL # 6H	SERIAL # XXXX
COUNTY BROOKE	DISTRICT; PROCTOR		
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	USGS 7 1/2 QUADRANGLE MAP NAME STUEBENVILLE EAST & BETHANY, WV		

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC

ADDRESS:
P.O. BOX 1300 JANE LEW, WV 26378

SURFACE OWNER:
WILLIAM D & SHIRLEY E RITCHEA

08/17/2018