

THRASHER

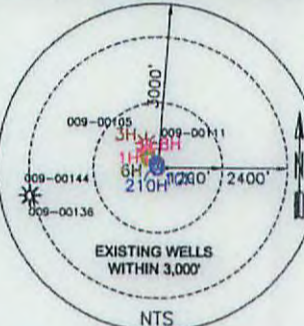
THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

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.

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 28°53'26" W	59.40'	SHL TO REF. PNT.	BRK BH #09-00111
L2	S 20°08'42" W	280.98'	SHL TO REF. PNT.	REBAR SET
L3	N 28°30'27" E	4764.11'	SHL TO LANDMARK	CONC. MONUMENT
L4	N 31°23'01" E	3949.43'	SHL TO LANDMARK	REBAR FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L5	S 73°46'09" E	892.81'		SHL TO PC
L6	S 18°41'20" E	7666.43'		LP TO BHL

REFERENCES



TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	(S) BROOKE COUNTY PARK COMMISSION (R) RICHARD P. GIST (R) VIRGINIA GIST ABBLITT (R) ANN GIST LEVIN	05-03-028-0064-0000	135.00
2	(S) COUNTY COURT OF BROOKE COUNTY (R) RICHARD P. GIST (R) VIRGINIA GIST ABBLITT (R) ANN GIST LEVIN	05-03-028-0040-0000	135.50
3	(S) THE COUNTY COURT OF BROOKE COUNTY (R) BROOKE COUNTY PARK & RECREATION COMMISSION	05-03-028-0061-0000	51.55
4	(S) BROOKE COUNTY PARK AND RECREATION COMMISSION (R) JAMES ROBERT HERVEY & KAREN L. HERVEY (R) WILLIAM JESSON HERVEY R & TERESA J. HERVEY (R) DEE L. HERVEY & CARY J. HERVEY (R) JANEY KATHERINE HERVEY DECARMO & ALAN H. DECARMO (R) RUSSELL D. HERVEY & LISA E. HERVEY	05-03-028-0060-0000	101.61
5	(S) BROOKE COUNTY PARK & RECREATION COMMISSION	05-03-033-0117-0000	4.17
6	(S) KEITH R. SMITH & KATHY J. SMITH (R) JODY INC	05-03-033-0114-0000	12.82
7	(S) KEITH SMITH & KATHY SMITH (R) LAURA G. NIMAN & JAMES C. NIMAN, JR. (R) KAREN G. YOUNGERS & TERRY D. YOUNGERS	05-03-034-0016-0003	2.78
8	(S) DAVID NAGAN (R) LAURA G. NIMAN & JAMES C. NIMAN, JR. (R) KAREN G. YOUNGERS & TERRY D. YOUNGERS	05-03-034-0016-0000	4.47
9	(S) JOHN C. WALES SR. & BARBARA A. WALES	05-03-034-0017-0000	170.40

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,456,758.139
EASTING: 538,454.658

LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,456,682.076
EASTING: 538,715.942

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,454,468.553
EASTING: 539,464.694

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 *MSW 10/28/15*

COMPANY: **SWN** Production Company, LLC

(+) 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)

BROOKE COUNTY PARKS BRK

OPERATOR'S WELL #: 10H

API WELL #: 47 009 00168 HGM
STATE COUNTY PERMIT

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

WATERSHED: BUFFALO CREEK

DISTRICT: BUFFALO COUNTY: BROOKE

SURFACE OWNER: BROOKE COUNTY PARKS COMMISSION

OIL & GAS ROYALTY OWNER: RICHARD P. GIST, VIRGINIA GIST ABBLITT, ANN GIST LEVIN.

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: 5,976' 12/11/2015

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
- MAR 10 --- MARCELLUS DHP
- ABANDONED PATH

REVISIONS:

DATE: 10-28-2015
SHEET 1 OF 2
DRAWN BY: E. LYTLE
SCALE: 1" = 2000'
DRAWING NO: 050-5525
WELL LOCATION PLAT

THRASHER

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

TRACT	ADJOINER	PARCEL
A	COUNTY COURT OF BROOKE COUNTY	05-03-B34-0049-0000
B	JOHN PAUL POTTER, PENNY POTTER SUAVE, JAY M POTTER II	05-03-B33-0108-0000
C	JOHN G. RADVANSKY & BARBARA J RADVANSKY	05-03-B33-0109-0000
D	GEORGE GIPALO & RHONDA GIPALO	05-03-B33-0110-0000
E	GEORGE GIPALO & RHONDA GIPALO	05-03-B33-0114-0001
F	COUNTY COURT OF BROOKE COUNTY	05-03-B33-0113-0000
G	KEITH SMITH & KATHY SMITH	05-03-B33-0026-0000
H	KEITH SMITH & KATHY SMITH	05-03-B33-0025-0000
I	KEITH SMITH & KATHY SMITH	05-03-B28-0045-0000
J	KEITH R SMITH & KATHY J SMITH	05-03-B28-0063-0000
K	DAVID L. RAGAN	05-03-B28-0062-0000
L	DAVID L. RAGAN	05-03-B28-0059-0000
M	WILLOW SPRINGS INC	05-03-B28-0058-0000
N	WILLIAM CURTIS HUNT & SUSAN L HUNT	05-03-B28-0057-0001
O	DELORES JEANNE BUYAN, SARAH LYNN LYCANS STENGER, JUDITH LEE BRINKLEY	05-03-B28-0066-0000
P	NANCY J AMBROSE	05-03-B29E-0001-0000
Q	NANCY J AMBROSE	05-03-B29J-0007-0000
R	DAVID RAGAN	05-03-B29J-0024-0000
S	CARMAN FANASE	05-03-B29J-0025-0000
T	JAMES L & LAURA INMAN	05-03-B29-0014-0000
U	BRIAN E & JENNIFER B PLANTS	05-03-B34-0001-0000
V	MARK OWEN WEAVER & VIRGINIA BEALL KREUTZ	05-03-B34-0016-0001
W	DENZIL & MARY LOU CONLEY	05-03-B34-0016-0002
X	MARLENE K. HUKILL	05-03-B34-0016-0005
Y	JOHN C WALES & BARBARA A WALES	05-03-B34-0001-0001
Z	BRIAN SMITH	05-03-B34-0016-0004
AA	PHOENIX-GREENLAWN PARTNERS	05-03-B34-0010-0002
BB	STARVAGGI INDUSTRIES INC.	05-03-B34-0007-0000
CC	STARVAGGI INDUSTRIES INC.	05-03-B34-0010-0000
DD	RUSSELL D HERVEY	05-03-B34-0011-0000
EE	STARVAGGI INDUSTRIES INC.	05-03-B34-0014-0000
FF	STARVAGGI INDUSTRIES INC.	05-03-B34-0015-0000
GG	BERNARD J KNORR III & NICOLE C KNORR	05-03-B34-0018-0000
HH	RUBY FAYE KNORR & BERNARD JOHN KNORR JR	05-03-B34-0019-0000
II	BERNARD J KNORR JR & RUBY F KNORR	05-03-B34-0048-0000

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RECEIVED
Office of Oil and Gas

NOV 03 2015

WV Department of
Energy and Mineral Resources

COMPANY: **SWN** **SWN** ^R/_A → V⁺

Production Company, LLC Production Company™

12/11/2015

REVISIONS:	DATE: 10-28-2015
	SHEET 2 OF 2
	DRAWN BY: E. LYTLE
	SCALE: 1" = 2000'
	DRAWING NO: 050-5525
	WELL LOCATION PLAT