

Latitude: 39°27'30" 7,723' SHL

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 DATA.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREDY 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 HEREDY.
- 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.

PROPOSED COORDINATES UTM (NAD83, ZONE 17, METERS):	
SURFACE HOLE LOCATION (SHL):	
NORTHING:	4,365,469.05
EASTING:	590,899.52
LANDING POINT LOCATION (LPL):	
NORTHING:	4,365,826.25
EASTING:	591,174.30
BOTTOM HOLE LOCATION (BHL):	
NORTHING:	4,367,481.38
EASTING:	590,635.97
AS-DRILLED COORDINATES UTM (NAD83, ZONE 17, METERS):	
SURFACE HOLE LOCATION (SHL):	
NORTHING:	4,365,469.05
EASTING:	590,899.52
LANDING POINT LOCATION (LPL):	
NORTHING:	4,365,826.25
EASTING:	591,174.30
BOTTOM HOLE LOCATION (BHL):	
NORTHING:	4,367,481.38
EASTING:	590,635.97

ID	TM	PAR	OWNER	ACRES
A	3	16	N/F CHARLES E. MacDONALD	222.75
B	3	15.2	N/F RANDY L. ERVIN	107.40
C	3	15	N/F WILLIAM J. LOGAR	15.90
D	3	1.10	N/F RANDALL & KIMBERLY MCNEELY & SURV	3.00
E	3	1.4	N/F RAYMOND C. & SUSAN J. DERK & SURV	3.00
F	3	1.36	N/F DERRICK M. CAMPBELL	1.00
G	3	1.37	N/F BRADLEY A. BARILL HIERS	2.04
H	3	1.45	N/F RICKY A. & LISA M. BENNETT & SURV	2.64
I	3	1.17	N/F KENNETH & CHARLOTTE JOHNSTON & SURV	1.00
J	3	1.11	N/F HAYWARD J. MCCAULEY II	1.00
K	3	1.21	N/F JOSEPH E. & KARAN L. KINSLEY & SURV	1.00
L	3	1.33	N/F CHRISTINE M. ROUTLEDGE	1.00
M	3	1.47	N/F DAVID & MICHELLE ROYCE & SURV	2.00
N	1	5	N/F JACOB S. & SARAH BARTHOLOMEW	4.58
O	27	5.6	N/F BERNARD N. & EVA R. PETERSON	1.40
P	27	5.4	N/F RICHARD J. & SHASTA D. SHRIVER	2.60
Q	27	5.10	N/F GEORGE PALMIERI	1.53
R	27	5.2	N/F ALBERT & LESA R. REITZ	2.02

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



GRAPHIC SCALE IN FEET

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)</p>	<p>UNB NO. 215</p> <p>OPERATOR'S WELL #: 47</p> <p>API WELL #: 091</p> <p>STATE COUNTY PERMIT</p>
	<p>WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW</p> <p>WATERSHED: WHITE DAY CREEK</p> <p>DISTRICT: FETTERMAN COUNTY: TAYLOR</p> <p>SURFACE OWNER: CHARLES MacDONALD</p> <p>OIL & GAS ROYALTY OWNER: JP MORGAN</p> <p>DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION</p> <p>CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE X (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: TVD TMD</p>	<p>WELL OPERATOR: ARSENAL RESOURCES</p> <p>ADDRESS: 6031 WALLACE ROAD EXTENSION #300</p> <p>CITY: WEXFORD STATE: PA ZIP CODE: 15090</p> <p>DESIGNATED AGENT: WILLIAM VEIGEL</p> <p>ADDRESS: 65 PPROFESSIONAL PLACE, SUITE 200</p> <p>CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330</p>
<p>REVISIONS:</p>		<p>DATE: 09-29-2017</p> <p>DRAWN BY: R.DOERR</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: XXXXX</p> <p>WELL LOCATION PLAT</p>