

THRASHER

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

NOTES ON SURVEY

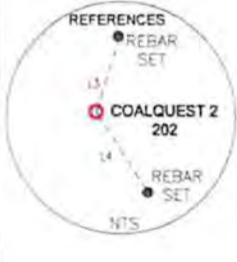
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED 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	TAX PARCEL	ACRES
1	COALQUEST DEVELOPMENT LLC	5-8-10.2	10
2	COALQUEST DEVELOPMENT LLC	5-8-10	63.9
3	COALQUEST DEVELOPMENT LLC	5-13-3	224.0
4	COALQUEST DEVELOPMENT LLC	5-13-38	83.0

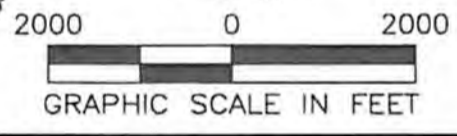
LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	S 78°24'31" W	1039.76	SHL TO LANDMARK	FENCE POST CORNER
L2	S 04°31'51" E	543.98	SHL TO LANDMARK	WELL # 1252
L3	N 17°46'23" E	212.54	SHL TO LANDMARK	REBAR SET
L4	S 32°47'29" E	259.11	SHL TO LANDMARK	REBAR SET

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT
Longitude: 80°05'00"
18,836' BHL
12,680' SHL

TRACT	ADJOINER	TAX PARCEL
A	FLEMING	5-8A-11
B	POLEN	5-8A-12
C	PODLING	5-8-11
D	FELTON	5-8-11.2
E	COALQUEST DEV. LLC	5-8-10.1
F	PHILLIPS	5-13-5.1
G	CURRY	5-13-5.4
H	CURRY	5-13-5.5
I	SINES	5-13-41
J	SINES	5-13-40
K	WILLIAMS	5-13-39.1
L	SPOTLOE	5-13-39
M	SINES	5-13-40



SURFACE HOLE LOCATION (SHL)	SURFACE HOLE LOCATION (SHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,350,291.507 EASTING: 576,712.680	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,350,291.502 EASTING: 576,712.691
LANDING POINT LOCATION (LPL)	LANDING POINT LOCATION (LPL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,349,817.954 EASTING: 576,492.273	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,349,789.734 EASTING: 576,501.507
BOTTOM HOLE LOCATION (BHL)	BOTTOM HOLE LOCATION (BHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,348,416.922 EASTING: 576,974.929	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,348,417.130 EASTING: 576,977.623



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* 1/12/18

<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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>OPERATOR'S WELL #: COALQUEST 2 202</p> <p>API WELL #: 47 91 01344</p> <p>STATE COUNTY PERMIT</p>
	<p>WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW</p> <p>WATERSHED: SAND LICK RUN OF SIMPSON CREEK</p> <p>DISTRICT: COURTHOUSE COUNTY: TAYLOR</p> <p>SURFACE OWNER: COALQUEST DEVELOPMENT LLC</p> <p>OIL & GAS ROYALTY OWNER: PATRIOT MINING, INC.</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 (SPECIFY) AS-DRILLED</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 3,793' TMD, 13,327' TMD</p>	<p>WELL OPERATOR: ARSENAL RESOURCES ADDRESS: 6031 WALLACE ROAD EXTENSION #300 CITY: WEXFORD STATE: PA ZIP CODE: 15090</p> <p>DESIGNATED AGENT: WILLIAM VEIGEL ADDRESS: 65 PROFESSIONAL PLACE SUITE 20 CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330</p>
<p>REVISIONS:</p>		<p>DATE: 01-12-2018</p> <p>DRAWN BY: K. POTH</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 030-3042</p> <p>WELL LOCATION PLAT</p>