

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 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	ADJOMER	TAX PARCEL
A	SHIPP	5-13A-28
B	BALL	5-13A-26
C	COALQUEST DEV. LLC	5-13A-15.1
D	COALQUEST DEV. LLC	5-13A-16
E	MCDANIEL	5-13A-8
F	LUCKEY	5-13A-5
G	MAYLE	5-13A-19
H	MCDANIEL	5-13A-10
I	MCDANIEL	5-13A-11
J	MCDANIEL	5-13A-12

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	COALQUEST DEVELOPMENT LLC	5-8-10-2	10
2	COALQUEST DEVELOPMENT LLC	5-8-26	1.14
3	RICOTELLI C & P & SURV 1/2 W&Y CORROthers & R RAGER	5-8-10-3	214.97
4	PHILLIPS DONALD B & WILLIAM	5-13-5-1	2.35
5	GERARD ELIZABETH/LEROY TRUSTEES	5-13A-13	0.28
6	KAMPAS LED & GERALDINE & SURV	5-13A-14	0.34
7	OCMAHRR LLC	5-13A-15	0.69
8	MOLLOHAN ROBERT WY SERVICE COMPANY	5-13A-9	0.23
9	KNOTTS JAMES E (LIFE) TORY L & SOMYA A MOORE (LIFE)	5-13A-8.1	0.53
10	KNOTTS JAMES E	5-13A-8	0.67
11	HELMICK MARY (LIFE) & NATHANIEL J MOORE	5-13A-7.1	0.35
12	MCDANIEL JEANIE LOETA	5-13A-4	1.69
13	LUCKEY DAVID C & JACQUELYN C & SURV	5-13-34	20.00
14	BOGESS ESTA A & WARREN L MULLAN & SURV	5-13-31.1	4.00
15	GREGORY HOLLIS	5-13-29	43.55
16	COALQUEST DEVELOPMENT, LLC.	5-13-80	55.18

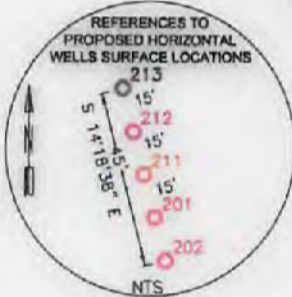
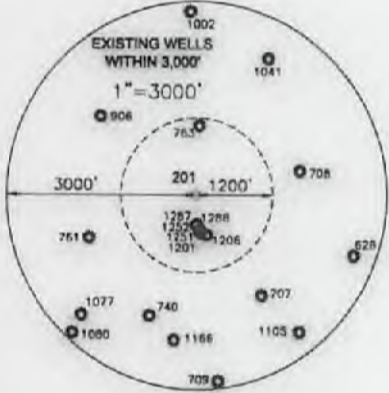
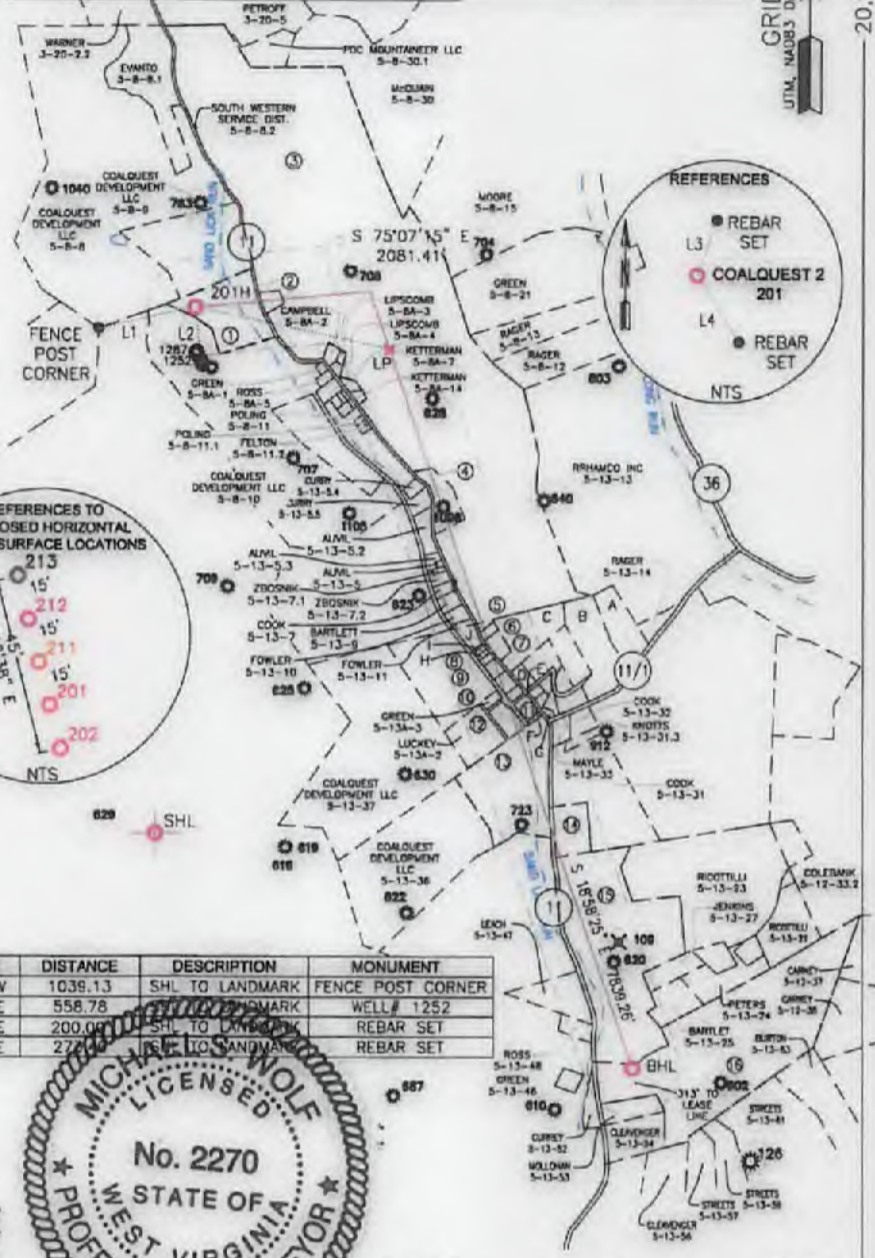
Latitude: 39°20'00"

Longitude: 80°05'00"

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

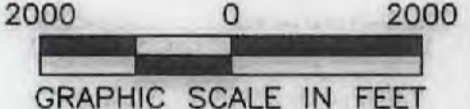
20,550' BHL

12,666' SHL



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,350,295.933 EASTING: 576,711.551
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,350,165.339 EASTING: 577,332.378
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,347,905.749 EASTING: 578,109.256

LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	S 77°34'55" W	1038.13	SHL TO LANDMARK	FENCE POST CORNER
L2	S 04°47'43" E	558.78	SHL TO LANDMARK	WELL# 1252
L3	N 20°03'55" E	200.00	SHL TO LANDMARK	REBAR SET
L4	S 31°48'02" E	272.00	SHL TO LANDMARK	REBAR SET



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 *M.W.* 5/30/17

(+) 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)	OPERATOR'S WELL #: 201 API WELL #: 47 STATE COUNTY PERMIT: 91 H&A 01343
	COALQUEST 2 ESTIMATED DEPTH: 7,779 TVD 16,357 TMD	

WELL TYPE: OIL	WASTE DISPOSAL	PRODUCTION	DEEP	GAS	LIQUID INJECTION	STORAGE	SHALLOW
WATERSHED: SAND LICK RUN OF SIMPSON CREEK				ELEVATION: 1266.0 (DESIGN)			
DISTRICT: COURTHOUSE				QUADRANGLE: GRAFTON			
SURFACE OWNER: COALQUEST DEVELOPMENT LLC				ACREAGE: 10.00			
OIL & GAS ROYALTY OWNER: PATRIOT MINING, INC.				ACREAGE: 10.00			
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: 7,779 TVD 16,357 TMD			

WELL OPERATOR: ARSENAL RESOURCES	DESIGNATED AGENT: WILLIAM VEIGEL
ADDRESS: 6031 WALLACE ROAD EXTENSION #300	ADDRESS: 65 PROFESSIONAL PLACE SUITE 20
CITY: WEXFORD	CITY: BRIDGEPORT
STATE: PA	STATE: WV
ZIP CODE: 15090	ZIP CODE: 26330

LEGEND:	REVISIONS:	DATE: 05-30-2017
<ul style="list-style-type: none"> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD ABANDONED WELL PLUGGED & ABANDONED WELL CUT CONDUCTOR LEASE BOUNDARY 500' DHP BUFFER DOWN HOLE PATH DHP BUFFER 	<ul style="list-style-type: none"> 1,500' 3,000' 	DRAWN BY: K. POTH SCALE: 1" = 2000' DRAWING NO: 030-3042 WELL LOCATION PLAT