

Latitude: 39°15'00"

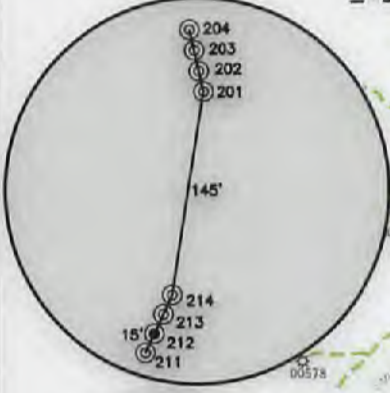
SURFACE HOLE 10295'

Latitude: 39°17'30" BOTTOM HOLE 76'



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
600 MARKETPLACE AVENUE, SUITE 200
BRIDGEPORT, WV 26330
304-933-3119

TAX MAP PARCEL SURVEYED LINE COORDINATES (UTM - NAD83 - ZONE 17 US FOOT)			
NORTHING	EASTING	LATITUDE	LONGITUDE
A 1425328.444	1882132.057	39.285593	-80.128557
B 18251915.806	1886258.071	39.342002	-80.151719



WELL RESTRICTIONS

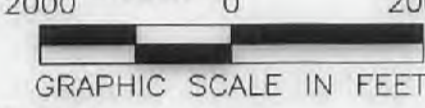
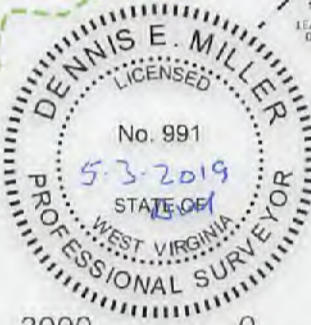
- NO OCCUPIED CIRCLES x 2500 SQ FT WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURAL BUILDINGS x 2500 SQ FT WITHIN 625 FEET OF CENTER OF PAD.
- WATER WELLS OR DEVELOPED STREAMS ARE WITHIN 500 FEET OF CENTER OF PAD.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TIGHT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO DRIVING WITHIN OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, P & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL ASPECTS ARE GRID NORTH UNLESS OTHERWISE DESIGNATED.

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. 991



SURFACE HOLE LOCATION (SHL)	
SFC (NAD83, WV NORTH, FEET):	NORTHING: 271870.67 EASTING: 1792985.25
GEOGRAPHIC (NAD83):	LAT: 39°14'21.17" LONG: -80°07'10.86"
GEOGRAPHIC (NAD83):	DEC. LAT: 39.244759 DEC. LONG: -80.119683
LANDING POINT (LPL)	
SFC (NAD83, WV NORTH, FEET):	NORTHING: 272514.85 EASTING: 1793747.45
GEOGRAPHIC (NAD83):	LAT: 39°14'47.59" LONG: -80°07'01.37"
GEOGRAPHIC (NAD83):	DEC. LAT: 39.246552 DEC. LONG: -80.117045
BOTTOM HOLE LOCATION (BHL)	
SFC (NAD83, WV NORTH, FEET):	NORTHING: 279159.33 EASTING: 1791467.16
GEOGRAPHIC (NAD83):	LAT: 39°15'53.37" LONG: -80°07'30.96"
GEOGRAPHIC (NAD83):	DEC. LAT: 39.264857 DEC. LONG: -80.125267

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

COMPANY: ARSENAL RESOURCES

DRAINER 2 TFP24

OPERATOR'S WELL #: 212

API WELL #: 47 091 0136/HG

STATE COUNTY PERMIT

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

WATERSHED: SIMPSON CREEK ELEVATION: 1,258.70'

DISTRICT: FLEMINGTON DISTRICT COUNTY: TAYLOR QUADRANGLE: PHILIPPI

SURFACE OWNER: NORMAN C. AND ESSIE M. DRAINER AND CLINTON DRAINER (LIFE) ACREAGE: 125.73±

OIL & GAS ROYALTY OWNER: NORMAN C. AND ESSIE M. DRAINER (LIFE) ACREAGE: 125.73±

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,797.0 TVD 15,261.6 TMD

WELL OPERATOR: ARSENAL RESOURCES DESIGNATED AGENT: WILLIAM VEIGEL

ADDRESS: 6031 WALLACE RD, EXT. SUITE 300 ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200

CITY: WEXFORD STATE: PA ZIP CODE: 15090 CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	--- SURVEYED BOUNDARY	04-30-2019
☆ EXISTING / PRODUCING WELLHEAD	--- PROPOSED PATH	
LPL X LANDING POINT LOCATION	--- PENETRATED PARCEL	
W EXISTING WATER WELL	--- LEASE BOUNDARY	
S EXISTING SPRING	--- MAIN ROAD	
	--- ADJACENT PROPERTY	
	--- WATER	
	--- SURVEYED CORNER	



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600 MARKETPLACE AVENUE, SUITE 200
BRIDGEPORT, WV 26330
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WELL BORE TABLE FOR SURFACE OWNERS		
TRACT	SURFACE OWNER	TAX PARCEL
1	NORMAN C. AND ESSIE M. DRAINER AND CLINTON DRAINER (LIFE)	04-10-01
2	A. J. SMITH HEIRS	05-19-07
3	A. J. SMITH HEIRS	05-20-01
4	GERALD B. SMITH	04-09-40
5	BRENDA M. GAINES	04-09-28
6	BRENDA M. GAINES	04-09-27
7	ELEANOR D. GREATHOUSE	04-09-24
8	CO. RT. 13/3	
9	JOSEPH W. COSTILOW	04-09-21
10	CONNIE SUE SCOTT	04-09-21.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ROBERT D. STOUT II	05-20-02
B	BECKWITH LUMBER COMPANY INC.	09-08-01
C	NORMAN C. AND ESSIE M. DRAINER AND CLINTON DRAINER (LIFE)	04-10-03
D	RANDALL AND CRYSTAL KELLEY	04-10-2.2
E	VIRGINIA SHAFFER AND ADA MAE ANGLIN AND ROBERT PYLE ET AL	04-10-2.1
F	WILLIAM CLARK AND CRYSTAL BRAKE	04-09-39
G	KATHY L. BLAKE	04-09-30
H	KATHY L. BLAKE	04-09-30.1
I	JAMES P. AND BRENDA M. GAINES	04-09-28.2
J	MIRACLE MOUNTAIN MINISTRY	04-09-28.3
K	BRENDA M. GAINES	04-09-28.4
L	RONALD PAUL AND VICKIE LYNN CRIMM	04-09-23.2
M	ELEANOR D. GREATHOUSE	04-09-23.1
N	JAMES P. AND BRENDA M. GAINES	04-09-23
O	BRENDA M. GAINES	04-09-22
P	JEFFREY GREATHOUSE (LIFE) AND RANDALL GREATHOUSE AND SANDRA GREATHOUSE (LIFE)	04-10-2.1
Q	PETROLEUM DEVELOPMENT CORPORATION	04-09-54
R	ELEANOR D. GREATHOUSE	04-09-55
S	CSX TRANSPORTATION INC.	04-09-20
T	JOHNNA L. BAKER	04-09-19
U	KARL L. GREATHOUSE	04-09-24.3
V	ELEANOR D. GREATHOUSE	04-09-24
W	ELEANOR D. GREATHOUSE	04-09-25
X	ELEANOR D. GREATHOUSE	04-09-26
Y	JAMES F. AND ALICIA M. KINSEY (SUR)	05-20-04
Z	BECKWITH LUMBER COMPANY INC.	05-20-10

REVISIONS:

COMPANY:



OPERATOR'S DRAINER 2 TFP24
WELL #: 47-091-01361-46A 212

DATE: 04-30-2019

DRAWN BY: K.E.S.

SCALE: N/A

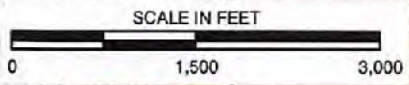
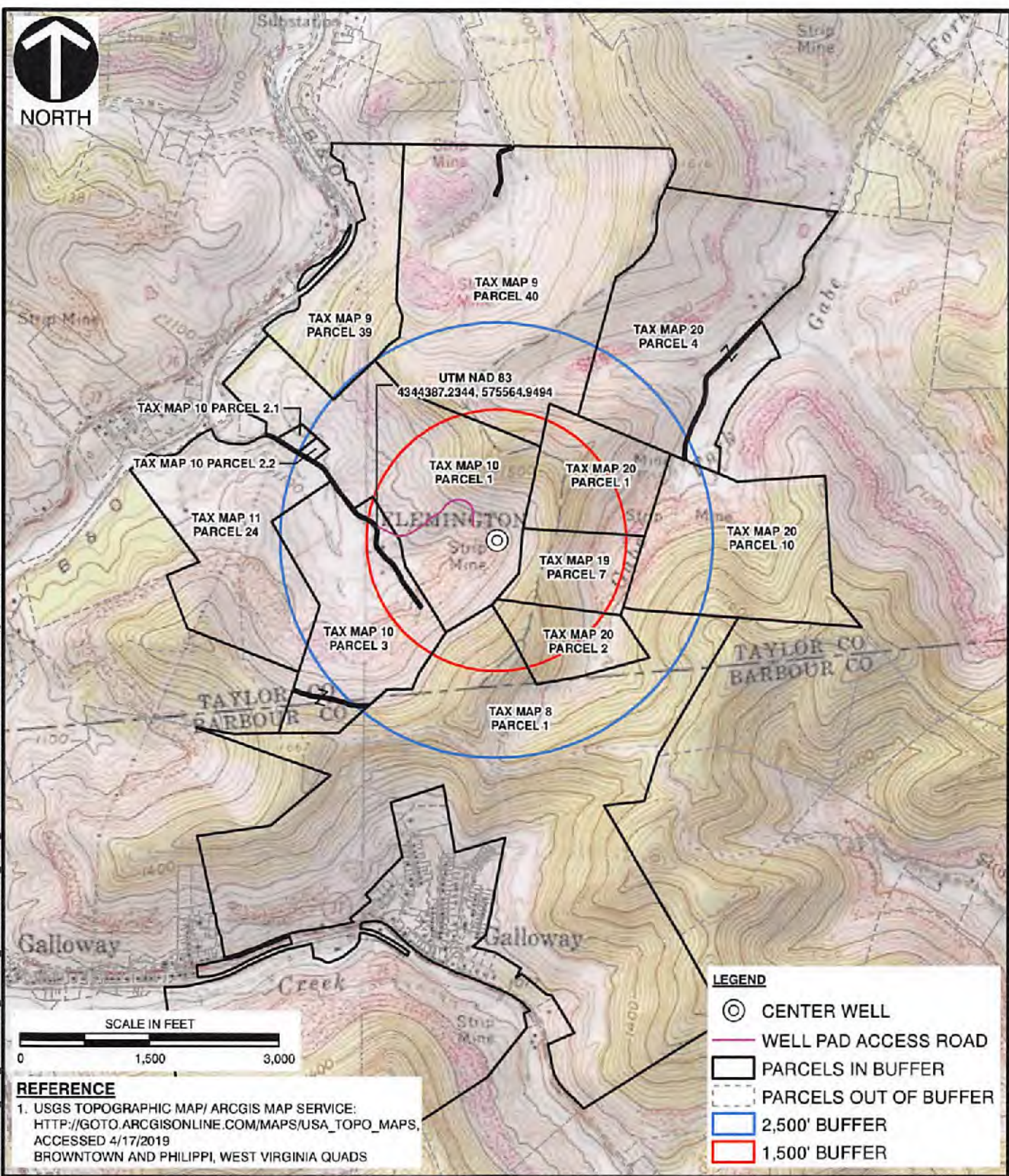
DRAWING NO: 190-283

WELL LOCATION PLAT 2

DISTRICT:
FLEMINGTON DISTRICT

COUNTY:
TAYLOR

STATE:
WV



REFERENCE

1. USGS TOPOGRAPHIC MAP/ ARCGIS MAP SERVICE:
[HTTP://GOTO.ARCGISONLINE.COM/MAPS/USA_TOPO_MAPS](http://GOTO.ARCGISONLINE.COM/MAPS/USA_TOPO_MAPS),
 ACCESSED 4/17/2019
 BROWNTOWN AND PHILIPPI, WEST VIRGINIA QUADS

LEGEND

- CENTER WELL
- WELL PAD ACCESS ROAD
- PARCELS IN BUFFER
- PARCELS OUT OF BUFFER
- 2,500' BUFFER
- 1,500' BUFFER



Civil & Environmental Consultants, Inc.
 600 Marketplace Avenue, Suite 200 - Bridgeport, WV 26330-9121
 Ph: 304-933-3119 • Toll: 855-488-9539 • Fax: 304-933-3327
www.cecinc.com

ARSENAL RESOURCES RECEIVED
 DRAINER 2 TFP24 WELL PAD Office of Oil and Gas
 TAYLOR COUNTY, WEST VIRGINIA
 MAY 10 2019

USGS SITE LOCATION MAP
 WV Department of Environmental Protection

DRAWN BY: GSK	CHECKED BY: DBS	APPROVED BY: DRAFT*	FIGURE NO: 1
DATE: 04/17/2019	SCALE: 1" = 1,500'	PROJECT NO: 190-283.2105	

I:\svr-bridgeport\p12019\190-283\GIS\Maps\Task_2105_ENGIWELL_SAFETY_PLAN\190283_2105_SITE.mxd - 4/17/2019 - 3:06:55 PM (gkucukuck)