

Latitude: 39°27'30" SURFACE HOLE 4111'

Latitude: 39°27'30" BOTTOM HOLE 5345'



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

<b>SURFACE HOLE LOCATION (SHL):</b>	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4364256.658	
EASTING: 588408.046	
<b>LANDING POINT (LPL):</b>	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4364151.719	
EASTING: 588641.950	
<b>BOTTOM HOLE LOCATION (BHL):</b>	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4365981.333	
EASTING: 588011.987	

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



<b>SURFACE HOLE LOCATION (SHL):</b>	
SPC (NAD83, WV NORTH, FEET):	
NORTHING: 336646.31	
EASTING: 1834914.45	
<b>GEOGRAPHIC (NAD83):</b>	
LAT: 39°25'23.91"	
LONG: 79°58'22.39"	
<b>GEOGRAPHIC (NAD83):</b>	
DEC. LAT: 39.423309	
DEC. LONG: -79.972887	
<b>LANDING POINT (LPL):</b>	
SPC (NAD83, WV NORTH, FEET):	
NORTHING: 336289.20	
EASTING: 1835676.20	
<b>GEOGRAPHIC (NAD83):</b>	
LAT: 39°25'20.42"	
LONG: 79°58'12.66"	
<b>GEOGRAPHIC (NAD83):</b>	
DEC. LAT: 39.422340	
DEC. LONG: -79.970184	
<b>BOTTOM HOLE LOCATION (BHL):</b>	
SPC (NAD83, WV NORTH, FEET):	
NORTHING: 342326.96	
EASTING: 1833709.13	
<b>GEOGRAPHIC (NAD83):</b>	
LAT: 39°26'20.00"	
LONG: 79°58'38.14"	
<b>GEOGRAPHIC (NAD83):</b>	
DEC. LAT: 39.438888	
DEC. LONG: -79.972621	

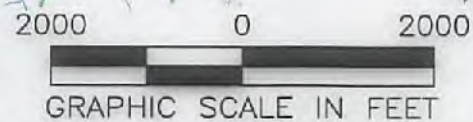
TAX MAP PARCEL SURVEYED LINE COORDINATES (UTM - NAD83 - ZONE 17, U.S. FOOT)			
NORTHING	EASTING	LATITUDE	LONGITUDE
A 14318435.936	1828845.676	39.423462	-79.978632
B 14319262.042	1930917.956	39.425666	-79.971262

- WELL RESTRICTIONS**
- NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
  - NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
  - WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 969 FEET OF PROPOSED WELL.
  - PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 800 FEET OF THE LIMITS OF DISTURBANCE.
  - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
  - NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & 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 INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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



(+) 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**

WILLIAMS  
OPERATOR'S WELL #: 216  
API WELL #: 47 STATE 091 PERMIT 01335100

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

WATERSHED: WHITEDAY CREEK ELEVATION: 1,804'

DISTRICT: FETTERMAN DISTRICT COUNTY: TAYLOR QUADRANGLE: GLADESVILLE

SURFACE OWNER: WILLIAM C. WILLIAMS ACREAGE: 107.25±

OIL & GAS ROYALTY OWNER: WILLIAM C. WILLIAMS ACREAGE: 107.25±

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: 7,826 TVD 14,800.3 TMD

06/29/2018

WELL OPERATOR: ARSENAL RESOURCES ADDRESS: 6031 WALLACE RD, EXT. SUITE 300 CITY: WEXFORD STATE: PA ZIP CODE: 15090

DESIGNATED AGENT: WILLIAM VEIGEL ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200 CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330

<b>LEGEND:</b>	<b>REVISIONS:</b>	<b>DATE:</b> 04-04-2018
PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY	
EXISTING / PRODUCING WELLHEAD	PROPOSED PATH	
LANDING POINT LOCATION	PENETRATED PARCEL	
EXISTING WATER WELL	LEASE BOUNDARY	
EXISTING SPRING	MAIN ROAD	
	ADJOINER PROPERTY	
	WATER	
	SURVEYED CORNER	
		<b>DRAWN BY:</b> K.E.S.
		<b>SCALE:</b> 1" = 2000'
		<b>DRAWING NO:</b> 154-452
		<b>WELL LOCATION PLAT</b>





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WELL BORE TABLE FOR SURFACE OWNERS		
TRACT	SURFACE OWNER	TAX PARCEL
1	WILLIAM C. WILLIAMS	06-07-09
2	FIREMAN PAYTON TRUSTEE OF MELBA M. ZINN TRUST (HEIRS)	06-07-11
3	ALVIN L. & JUDY K. LIPSCOMB	06-02-10
4	ANTHONY T. DORSEY & LAURA J. TOBIN & SURV.	06-02-8.1
5	SAMMY R. & SARA L. JACOBS FAMILY TRUST & DANIEL & SONDR & SURV	06-02-03
6	WESLEY H. OR CAROLYN A. HAMILTON	06-02-08
7	ORTHODOX EDUCATIONAL SOCIETY	06-03-41
8	THE JOHN M. CONNOLLY TRUST, ET AL	06-26-11

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	WESLEY H. & CAROLYN ANN HAMILTON & SURV.	06-07-12
B	WESLEY H. & CAROLYN ANN HAMILTON & SURV.	06-07-13
C	GLENNA LEE EVANS	06-07-14
D	MARGIE M. CURRY	06-07-14.9
E	MARGIE M. CURRY	06-07-14.7
F	MARY ANN & WILLIAM CHRISTOPHER WILLIAMS & SURV.	06-07-15
G	MARY ANN NUZUM	06-07-16
H	ALVIN L. & JUDY K. LIPSCOMB	06-07-08
I	ALVIN L. & JUDY K. LIPSCOMB	06-02-09
J	CHARLES C. GATANIA	06-02-2.1
K	MARK D. & KAREN T. WOLF & SURV.	06-02-2.2
L	SAMMY R. & SARA L. JACOBS FAMILY TRUST, ET AL	19-26-12
M	CHARLES E. MCDONALD	19-26-06
N	THE JOHN M. CONNOLLY TRUST	19-26-7.8
O	DAVID L. SR & BONNIE SMITH	19-29-15
P	THE JOHN M. CONNOLLY TRUST, ET AL	19-26-10
Q	THE JOHN M. CONNOLLY TRUST, ET AL	19-26-09
R	NATHAN S. STEVENS	19-26-8.4
S	DANIEL W. & SONDR A. JACOBS	19-26-8.3
T	EVELYN J. MUSGROVE	19-28-01
U	CHRISTOPHER J. MORAN & CAROLINE E M ROBISON	19-28-3.1
V	MARK D. MORAN	19-28-03
W	VA E FLANNAGAN	19-27-08
X	WILLIAM R. BJORKMAN	19-27-07
Y	JAMES O. & JUDITH A. MORAN TRS MORAN LIVING TRUST	19-27-01
Z	BEVERLY D. HORNBECK TRUST	19-27-04
AA	CHARLES EDWARD & LAVERNE MACDONALD	6-03-20
BB	RUTH E. HAUGHT, ET AL	19-27-03
CC	RUTH E. PYSSELL	6-2-7
DD	CHARLES E. MCDONALD	6-2-6
EE	ROBERT W. & KIMBERLY J. BRYAN	6-2-5
FF	CHARLES E. MCDONALD	6-2-11
GG	WESLEY HAROLD HAMILTON & CAROLYN ANN BOWMAN	5-2-12
HH	BREWER VIRGINIA MORGAN	5-3-24
II	CAROL W. GALLAHER	5-3-26
JJ	BREWER VIRGINIA MORGAN	5-6-1

06/29/2018

REVISIONS:	COMPANY:			DATE: 04-04-2018
				DRAWN BY: K.E.S.
	OPERATOR'S	WILLIAMS		SCALE: N/A
	WELL #:	216		DRAWING NO: 154-452
	DISTRICT:	COUNTY:	STATE:	WELL LOCATION PLAT 2
	FETTERMAN DISTRICT	TAYLOR	WV	