

Latitude: 39°27'30" SURFACE HOLE 4147'

Latitude: 39°27'30" BOTTOM HOLE 7451'

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

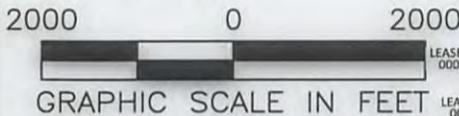


CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
600 MARKETPLACE AVENUE, SUITE 200
BRIDGEPORT, WV 26330
304-933-3119



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4364248.309
EASTING: 588397.171
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4363730.205
EASTING: 588141.044
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4365910.207
EASTING: 587390.393

SURFACE HOLE LOCATION (SHL):
SPC (NAD83, WV NORTH, FEET):
NORTHING: 336619.51
EASTING: 1834878.31
GEOGRAPHIC (NAD83):
DEC. LAT: 39°25'23.64"
LONG: 79°58'22.85"
GEOGRAPHIC (NAD83):
DEC. LAT: 39.423235
DEC. LONG: -79.973015
LANDING POINT (LPL):
SPC (NAD83, WV NORTH, FEET):
NORTHING: 334933.50
EASTING: 1834009.60
GEOGRAPHIC (NAD83):
DEC. LAT: 39°25'06.94"
LONG: 79°58'33.81"
GEOGRAPHIC (NAD83):
DEC. LAT: 39.418594
DEC. LONG: -79.976058
BOTTOM HOLE LOCATION (BHL):
SPC (NAD83, WV NORTH, FEET):
NORTHING: 342127.55
EASTING: 1831665.67
GEOGRAPHIC (NAD83):
DEC. LAT: 39°26'17.92"
LONG: 79°59'04.17"
GEOGRAPHIC (NAD83):
DEC. LAT: 39.438311
DEC. LONG: -79.984492



WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 969 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 800 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

TAX MAP PARCEL SURVEYED LINE COORDINATES (UTM - NAD 83 - ZONE 17, U.S. FOOT)				
	NORTHING	EASTING	LATITUDE	LONGITUDE
A	14318435.936	1928845.676	39.423462	-79.978632"
B	14319262.042	1930917.956	39.425666	-79.971262"

NOTES ON SURVEY

1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. 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



COMPANY:



(+) 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)

WILLIAMS

OPERATOR'S WELL #: 213

API WELL #: 47 091

STATE COUNTY PERMIT

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 16,322.4 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: 04-04-2018
				DRAWN BY: K.E.S.
				SCALE: 1" = 2000'
				DRAWING NO: 154-452
				WELL LOCATION PLAT

Longitude: 79°57'30" SURFACE HOLE 12784'

06/22/2018



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WELL BORE TABLE FOR SURFACE OWNERS		
TRACT	SURFACE OWNER	TAX PARCEL
1	WILLIAM C. WILLIAMS	06-07-09
2	MARY ANN & WILLIAM CHRISTOPHER WILLIAMS & SURV.	06-07-15
3	MARY ANN NUZUM	06-07-16
4	ALVIN L. & JUDY K. LIPSCOMB	06-07-08
5	PAUL SICILIANO & BETHANY L. HORNBECK	06-07-8.1
6	MARK D. & KAREN T. WOLF & SURV.	06-02-2.2
7	SAMMY R. & SARA L. JACOBS FAMILY TRUST, ET AL	19-26-12
8	THE JOHN M. CONNOLLY TRUST, ET AL	19-26-11

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	PHILIP K. & KIMBERLY J. BROWN & SURV.	06-07-14.8
G	PHILIP K. & KIMBERLY J. BROWN & SURV.	06-07-14.4
H	GRETTA R. JONES	06-07-15.3
I	WILLIAM OR AMY WILLIAMS & SURV.	06-07-15.5
J	WILLIAM C. WILLIAMS	06-07-15.2
K	MCCONKEY CHAPEL TRS. S. PYSSELL C. MACDONALD, C BUCKLEW JR	06-07-17
L	WILLIAM K. II & JOCELYN M. OLDLAND & SURV.	06-07-6.4
M	PAUL L. SICILIANO	06-07-7
N	LAWRENCE A. JR & SAMANTHA L. BALDWIN & SURV.	06-02-9.1
O	JEFFREY A. SHAFFER	6-2-2
P	CHARLES C. CATANIA	06-02-2.1
Q	CHARLES E. MCDONALD	06-02-1
R	CHARLES E. MCDONALD	19-26-06
S	THE JOHN M. CONNOLLY TRUST	19-26-7.8
T	DAVID L. SR & BONNIE SMITH	19-29-15
U	THE JOHN M. CONNOLLY TRUST, ET AL	19-26-09
V	ORTHODOX EDUCATIONAL SOCIETY	06-03-41
W	SAMMY R. & SARA L. JACOBS FAMILY TRUST & DANIEL & SONDR & SURV	06-02-03
X	ANTHONY T. DORSEY & LAURA J. TOBIN & SURV.	06-02-8.1
Y	ALVIN L. & JUDY K. LIPSCOMB	06-02-09
Z	ALVIN L. & JUDY K. LIPSCOMB	06-02-10
AA	FIREMAN PAYTON TRUSTEE OF MELBA M. ZINN TRUST (HEIRS)	06-07-11

06/22/2018

REVISIONS:	COMPANY:			DATE: 04-04-2018
				DRAWN BY: K.E.S.
	OPERATOR'S	WILLIAMS		SCALE: N/A
	WELL #:	213		DRAWING NO: 154-452
	DISTRICT:	COUNTY:	STATE:	WELL LOCATION PLAT 2
	FETTERMAN DISTRICT	TAYLOR	WV	