

TAX MAP ID NUMBER	OWNER NAME	PARCEL NUMBER
A	Jennings, Franklin M. & Peggy A.	04-0015-0004-0000
B	Hershman Jason D.	04-0009-0036-0000
C	Jennings Eric & Jennifer	04-0015-0004-0001
D	Shahan Kenneth Ray	04-0016-0001-0004
E	Shahan Kenneth Ray	04-0016-0001-0002
F	Keene Bernard W.	04-0016-0001-0001
G	Falcon Partners	04-0016-0001-0006
H	Jennings, Franklin M. & Peggy A.	04-0016-0012-0000
I	Jennings, Jesse, Joyce Marie & Jarrett Lee	04-0016-0012-0002
J	Runner Harrison HRS	04-0016-0021-0000
K	Cline Roxann & Timothy S	04-0016-0022-0000
L	Clarkson William Earl Jr. & JoAnn	04-0016-0037-0000
M	Krukowsky Peter A. & Flora	04-0016-0038-0003
N	Baylor Jennifer Lou Claire	04-0016-0038-0000
O	West Virginia Department Of Highways	XX-XXXX-XXXX-XXXX

REFERENCE NOTES

- Property lines as shown taken from deeds, tax maps, and field locations. A full boundary survey is not expressed or implied. All bearings are based on grid North. Ownership taken from public records Preston County, West Virginia Date 2017.
- State Plane Coordinates & NAD83 Lat/Long by differential submeter mapping grade GPS.
- There are no railroads, dwellings, or agricultural buildings within 525 feet of center of pad.
- No water wells found within 250' of the center of well pad.

LEGEND

- PROPOSED WELL LATERAL
- PROPOSED WELL TIE LINE
- STREAM
- EXISTING ROAD
- BUFFER
- PROPERTY LINE
- PROPOSE WELL HEAD
- EXISTING WELL HEAD
- LANDING POINT/BOTTOM HOLE
- SURFACE OWNER
- LAND TIE HOOK

(NAD83-WV) US SURVEY FT.	(NAD83 LAT/LONG) Decimal	(NAD83 UTM) Meters
<b>TOP HOLE</b>	<b>TOP HOLE</b>	<b>TOP HOLE</b>
N) 301468.10	N) 39.32711491	N) 4353691.594
E) 1865136.60	E) 79.86539689	E) 597794.560
<b>LANDING POINT</b>	<b>LANDING POINT</b>	<b>LANDING POINT</b>
N) 301606.20	N) 39.32749606	N) 4353734.576
E) 1865315.30	E) 79.86476716	E) 597848.308
<b>BOTTOM HOLE</b>	<b>BOTTOM HOLE</b>	<b>BOTTOM HOLE</b>
N) 293639.00	N) 39.30566090	N) 4351325.076
E) 1868870.50	E) 79.85208896	E) 598971.866

FILE#: 17078-003  
 SHEET#: 1 of 1  
 SCALE: 1" = 2000'  
 TICK SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: WV-RTN CORS STATION

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: Gary W. Kuroski 08/18/17  
 P.S. #2069: Gary W. Kuroski, P.S.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: TYGART VALLEY - SANDY CREEK  
 COUNTY / DISTRICT: PRESTON / RENO  
 SURFACE OWNER: FRANKLIN M. and PEGGY A. JENNINGS  
 OIL & GAS ROYALTY OWNER: FRANKLIN M. AND PEGGY A. JENNINGS

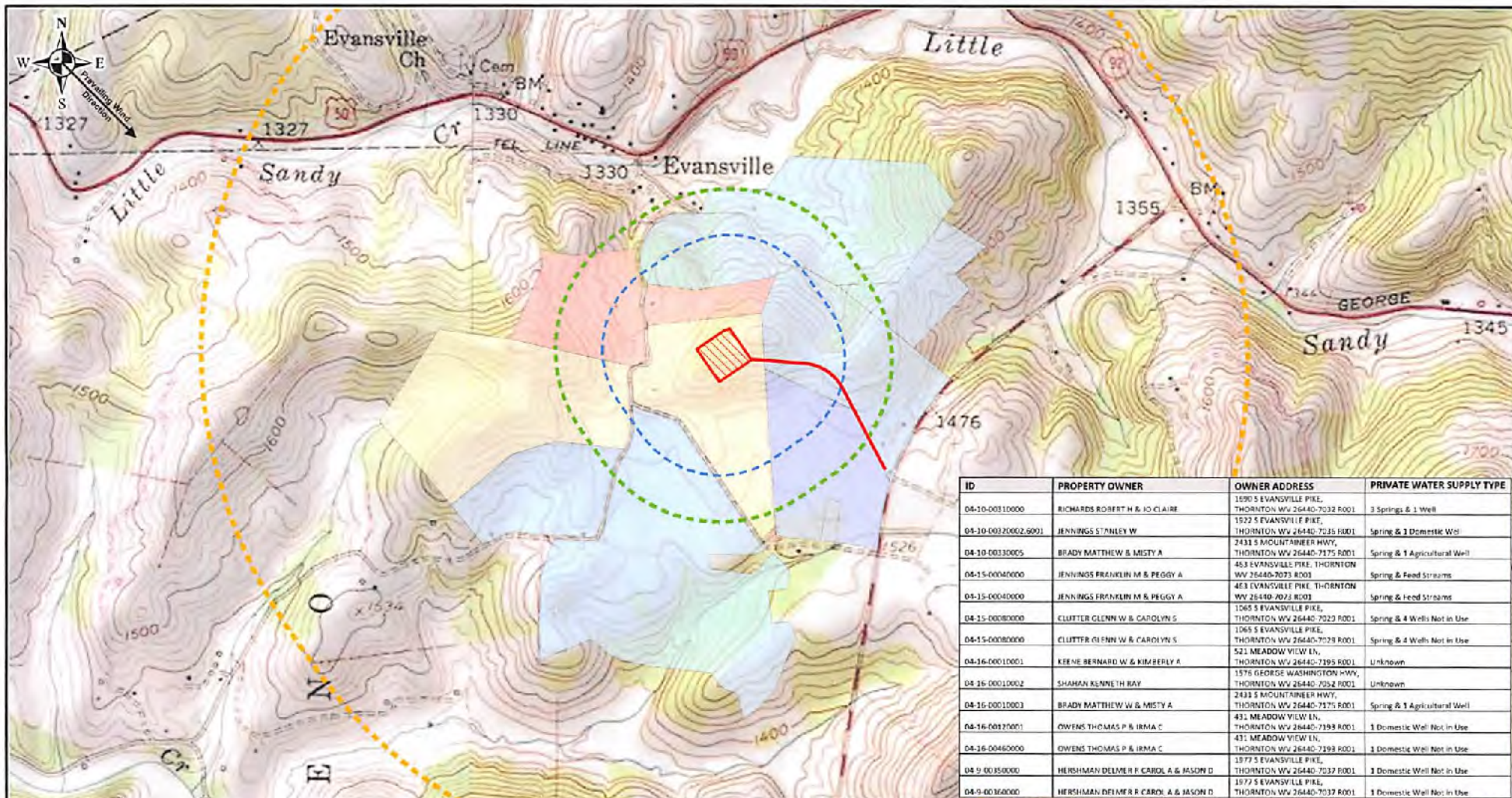


DATE: AUGUST 18, 2017  
 OPERATOR'S WELL #: ROCKY JENNINGS #203  
 API WELL #: 47 77 00634  
 STATE COUNTY PERMIT  
 ELEVATION: 1651.5' - DESIGN  
 QUADRANGLE: FELLOWSVILLE, WV  
 ACREAGE: 114  
 ACREAGE: 572 ±

- DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE
- PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON
- CLEAN OUT & REPLUG  OTHER CHANGE SPECIFY: \_\_\_\_\_

TARGET FORMATION: MARCELLUS (LATERAL)  
 HUNTERSVILLE CHERT (PILOT)  
 WELL OPERATOR: ARSENAL RESOURCES  
 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300  
 CITY: WEXFORD STATE: PA ZIP: 15090

ESTIMATED DEPTH: TVD: 7940' TMD: 17134' (lateral)  
 ESTIMATED DEPTH: TVD: 8049.5' (pilot)  
 DESIGNATED AGENT: WILLIAM VEIGEL  
 ADDRESS: 65 PROFESSIONAL PLACE SUITE 200  
 CITY: BRIDGEPORT STATE: WV ZIP: 26330



ID	PROPERTY OWNER	OWNER ADDRESS	PRIVATE WATER SUPPLY TYPE
04-10-00310000	RICHARDS ROBERT H & JO CLAIRE	1090 S EVANSVILLE PIKE, THORNTON WV 26440-7032 R001	3 Springs & 1 Well
04-10-00320002.6001	JENNINGS STANLEY W	1922 S EVANSVILLE PIKE, THORNTON WV 26440-7235 R001	Spring & 1 Domestic Well
04-10-00330005	BRADY MATTHEW B & MISTY A	2433 S MOUNTAINEER HWY, THORNTON WV 26440-7175 R001	Spring & 1 Agricultural Well
04-15-00040000	JENNINGS FRANKLIN M & PEGGY A	483 EVANSVILLE PIKE, THORNTON WV 26440-7073 R001	Spring & Feed Streams
04-15-00040000	JENNINGS FRANKLIN M & PEGGY A	483 EVANSVILLE PIKE, THORNTON WV 26440-7073 R003	Spring & Feed Streams
04-15-00080000	CLUTTER GLENN W & CAROLYN S	1065 S EVANSVILLE PIKE, THORNTON WV 26440-7023 R001	Spring & 4 Wells Not in Use
04-15-00080000	CLUTTER GLENN W & CAROLYN S	1065 S EVANSVILLE PIKE, THORNTON WV 26440-7023 R001	Spring & 4 Wells Not in Use
04-16-00010001	KEENE BERNARD W & KIMBERLY A	521 MEADOW VIEW LN, THORNTON WV 26440-7195 R001	Unknown
04-16-00010002	SHAMAN KENNETH RAY	1576 GEORGE WASHINGTON HWY, THORNTON WV 26440-7032 R001	Unknown
04-16-00010003	BRADY MATTHEW W & MISTY A	2433 S MOUNTAINEER HWY, THORNTON WV 26440-7175 R001	Spring & 1 Agricultural Well
04-16-00030001	OWENS THOMAS P & IRMA C	431 MEADOW VIEW LN, THORNTON WV 26440-7193 R001	1 Domestic Well Not in Use
04-16-00040000	OWENS THOMAS P & IRMA C	431 MEADOW VIEW LN, THORNTON WV 26440-7193 R001	1 Domestic Well Not in Use
04-9-00350000	MERSHMAN DELMER R CAROL A & JASON D	1877 S EVANSVILLE PIKE, THORNTON WV 26440-7037 R001	1 Domestic Well Not in Use
04-9-00350000	MERSHMAN DELMER R CAROL A & JASON D	1877 S EVANSVILLE PIKE, THORNTON WV 26440-7037 R001	1 Domestic Well Not in Use

- Legend**
- Proposed Access Road
  - Proposed Well Pad Location
  - 1000ft. Radius from Well Pad
  - 1500ft. Radius from Well Pad
  - One-Mile Radius from Well Pad

- Private Water Supply Type**
- Well
  - Spring
  - Spring & Well
  - Unknown



**Notes:**  
 1. Prevailing wind direction is Southeast  
 2. Topographic base map is provided through Langan's Esri ArcGIS software licensing and ArcGIS online.  
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 3. Water supply areas obtained from WV DEP.

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Langan Engineering & Environmental Services, Inc.  
 Langan Engineering, Environmental, Surveying and  
 Landscape Architecture, D.P.C.  
 Langan Industrial LLC  
 Collectively known as Langan

Project  
**ARSENAL RESOURCES  
 JENNINGS WELL PAD SITE**  
 THORNTON  
 PRESTON COUNTY WEST VIRGINIA

Drawing Title  
**PRIVATE WELL  
 LOCATION MAP**

Project No.	250023101	Figure	1
Date	4/11/2017		
Scale	1"=1000'		
Drawn By	BJS		
Submission Date	n/a		
		Sheet 1 of 1	

RECEIVED  
 Office of Oil and Gas  
 WV Department of  
 Environmental Protection  
 AUG 22 2017

7/1/2017  
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