

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
WELL LOCATION FORM: GPS

API: 47-033-04262N WELL NO.: #1

FARM NAME: Jack Run

RESPONSIBLE PARTY NAME: Arsenal Resources

COUNTY: Harrison DISTRICT: Coal

QUADRANGLE: Clarksburg

SURFACE OWNER: John R. Nabors and Penny Ann Victoria Mangold

ROYALTY OWNER: John R. Nabors and Penny Ann Victoria Mangold

UTM GPS NORTHING: ~~557363.83~~ 4351880.69N

UTM GPS EASTING: ~~4351880.69~~ 557363.83 E GPS ELEVATION: 920' <sup>gwh</sup>

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS  : Post Processed Differential   
Real-Time Differential

Mapping Grade GPS  : Post Processed Differential   
Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Signature

Designated Agent, Sr. Director of Production  
Title

11/16/17  
Date

RECEIVED  
Office of Oil and Gas  
NOV 09 2017  
WV Department of  
Environmental Protection



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input coordinates

input comma delimited coordinates examples  
16 15 30.1 -81 25 15.2 (lat, lon as degrees minutes seconds)  
16.258356 -81.424356 (lat, lon as decimal degrees)  
16 15 30.1 N 81 25 15.2 W (lat, lon as existing morning)  
1607594 32 364 123 49 (UTM state plane as easting, northing)  
557363 93 435 1880 69

UTM NAD83 Zone 17N

Convert zoom to point

output coordinates

39 314337 -80 334774

Lat/Lon NAD27

Google Maps

history (for copy, paste edit)

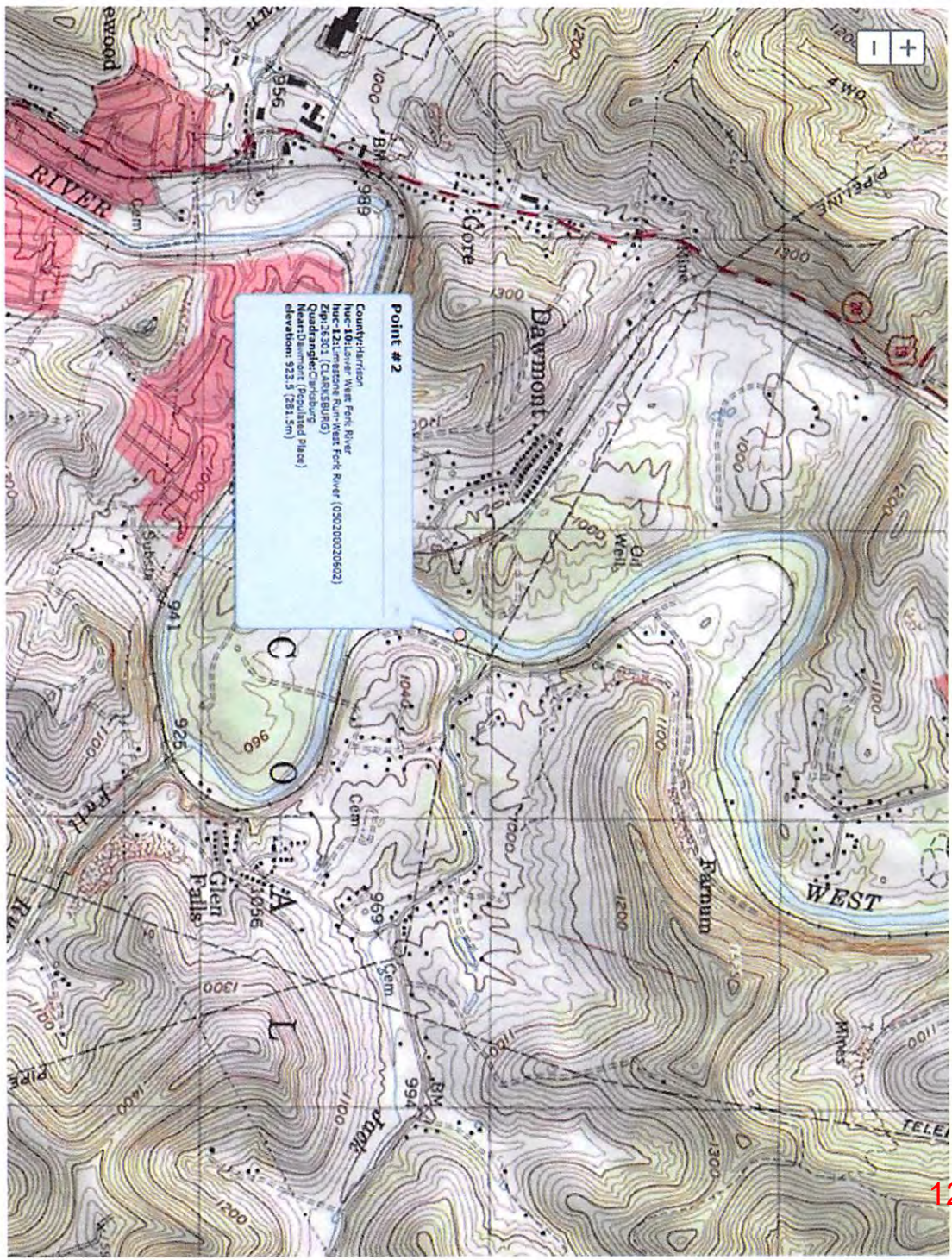
1 559598 3 432490 8 UTM 17N NAD83 1980 10 258356 -80 377826 LL NAD27  
2 257762 8 4351580 7 UTM 17N NAD83 1980 10 314337 -80 334774 LL NAD27

notes about datum conversions

Datum conversions between all realizations of NAD27, NAD83, and WGS84 are not practical, or sometimes not strictly possible. Many of the issues are associated with the inability to convert between the original realization of NAD83 and more recent realizations. While error could be reduced by introducing an intermediate HARN conversion, separate transformations would have to be implemented for each state, which significantly increases the complexity of the application. Therefore datum conversions include a few built-in assumptions:

1 Conversion between NAD27 and NAD83: This converts between NAD27 and NAD83(1986) using the NADCON transformation. Newer realizations of NAD83, such as NAD83(GRS96) and NAD83(CM11) can differ from NAD83(1986) by a meter or so. This conversion uses the Eni transformation NAD\_1983\_To\_NAD\_1983\_NADCON.

[link to arcgis.com version](#)



Jack Run #1 47-033-04262

12/22/2017