

WW-7  
8-30-06



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

API: 47-001-02267 WELL NO.: 2187

FARM NAME: W.B. Cleavenger, et al

RESPONSIBLE PARTY NAME: Wolf Run Mining LLC

COUNTY: Barbour DISTRICT: Pleasant

QUADRANGLE: Philippi

SURFACE OWNER: Richard L. Cleavenger, et al

ROYALTY OWNER: Richard L. Cleavenger, et al

UTM GPS NORTHING: 4342119.778

UTM GPS EASTING: 578395.298 GPS ELEVATION: 1544.98

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- 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.

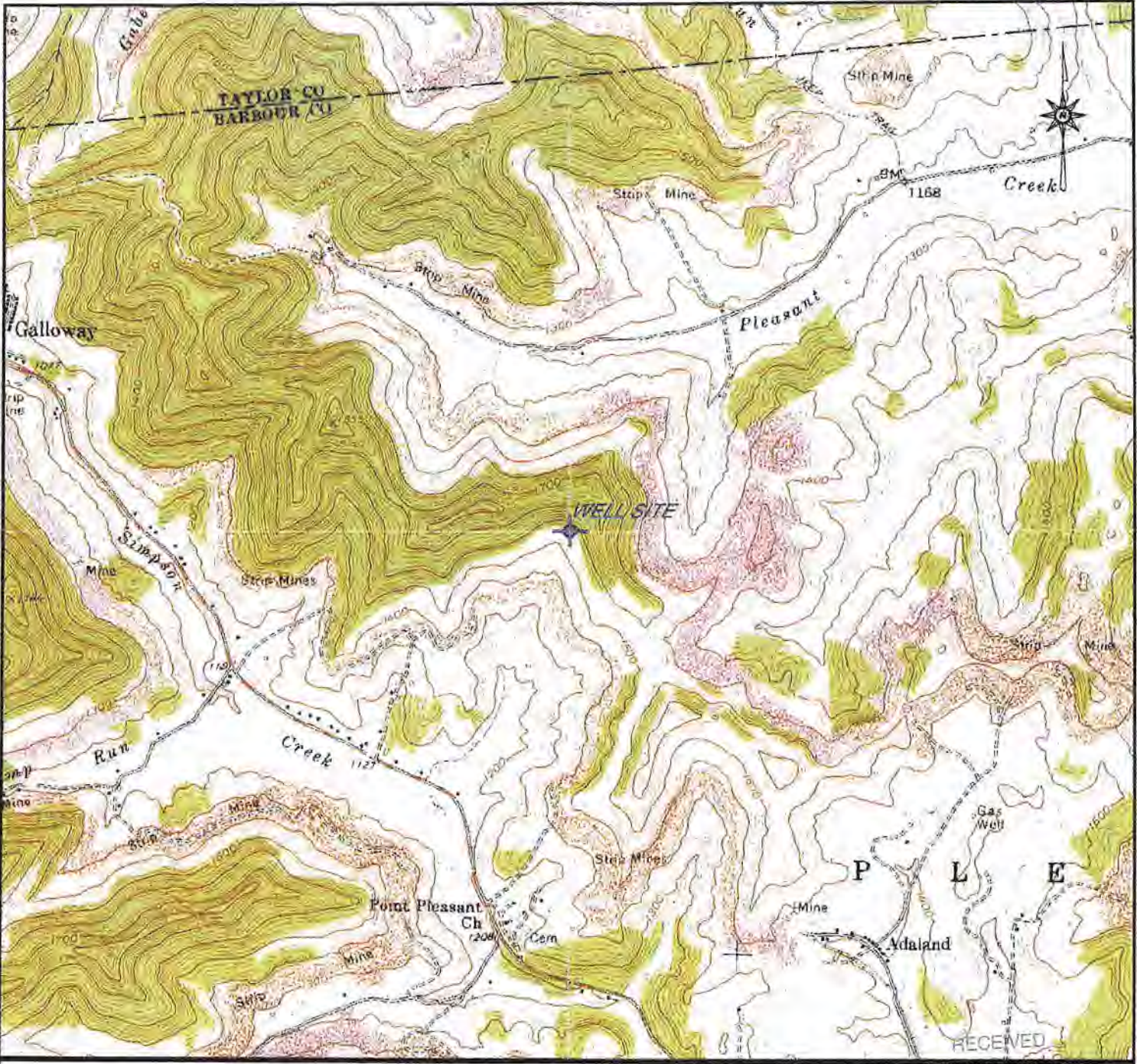
[Signature]  
Signature

Power of Attorney  
\_\_\_\_\_  
Title

January 5, 2021  
\_\_\_\_\_  
Date

RECEIVED  
Office of Oil and Gas  
JAN 22  
WV Department of  
Environmental Protection





LATITUDE: 39° 13' 29"  
 LONGITUDE: 80° 09' 31"  
 NEAREST WATERCOURSE: Unnamed Tributary of Simpson Creek  
 NEAREST TOWN: Philippi

OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. 2187  
**47 - 001 - 02267**  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION \_\_\_\_\_ WATERSHED Unnamed Tributary of Simpson Creek  
 DISTRICT Pleasant COUNTY Barbour  
 QUADRANGLE Philippi 7 1/2"  
 SURFACE OWNER: Richard L. Cleavenger, et al ACREAGE 252  
 OIL & GAS ROYALTY OWNER: Richard L. Cleavenger, et al LEASE ACREAGE 252  
 LEASE NO. 8032

PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_  
 FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_  
 PERFORATE NEW FORMATION \_\_\_\_\_  
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Banson ESTIMATED DEPTH 4500'  
 WELL OPERATOR Wolf Run Mining LLC DESIGNATED AGENT Charles E. Duckworth  
 ADDRESS 100 Tygart Drive, Grafton, WV 26354 ADDRESS 100 Tygart Drive, Grafton, WV 26354

RECEIVED  
 Office of Oil and Gas

JAN 22

DRAWN		DATE BY	
09/20		TAN	
REVISED		DATE BY	
APPROVED		Pleasant District Philippi, WV 7.5' Quadrangle	
DATE BY		TOPOGRAPHIC CONTOUR INTERVAL = 20'	
DATE BY		Scale: 1"=2000'	
DATE BY		File No.: 47-001-02270 WELL NO. 2187.dgn	
DATE BY		Sheet No.: 1 of 1	
Path DWG/WOLF RUN/SENTINEL/SENTINEL PERMITS/WV OIL & GAS PERMIT MAPS/			

**ARCH** Wolf Run Mining LLC  
 A Subsidiary of Arch Resources, Inc.  
 100 Tygart Drive, Grafton, WV 26354

API WELL NO. 47-001-02267  
 WELL NO. 2187  
 LOCATION MAP

Barbour County  
 West Virginia