

LATITUDE: 39° 11' 38"
 LONGITUDE: 80° 07' 19"
 NEAREST WATERCOURSE: Stewarts Run
 NEAREST TOWN: Phillipi

RECEIVED
 Office of Oil and Gas
 AUG 18 2022

OPERATOR'S WELL NO. 1
 API WELL NO. 47 - 001 - 00448
 STATE COUNTY PERMIT

WV Department of
 Environmental Protection

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1477' WATERSHED Stewarts Run
 DISTRICT Eik COUNTY Barbour
 QUADRANGLE Brownlton and Phillipi 7 1/2'
 SURFACE OWNER: William H. Wentz ACREAGE 20
 OIL & GAS ROYALTY OWNER: William H. Wentz LEASE ACREAGE 20
 LEASE NO. _____
 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 Benson and Riley ESTIMATED DEPTH 4480'
 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

DRAWN		ARCH		Wolf Run Mining LLC	
DATE	BY	A Subsidiary of Arch Resources, Inc.		100 Tygart Drive, Grafton, WV 26354	
06/22	TAN	API WELL NO. 47-001-00448 WELL NO. 1 LOCATION MAP			
REVISED					
DATE	BY	APPROVED		Pleasant District Phillipi, WV 7.5' Quadrangle	
DATE	BY	TOPOGRAPHIC CONTOUR INTERVAL = 20'		Scale: 1"=2000'	File No.: 47-001-00448
Path		DWG/WOLF RUN/SENTINEL/SENTINEL PERMITS/WV OIL & GAS PERMIT MAPS/		Sheet No.: 1 of 1	

02/23/2023
4700100448P

WW-7
8-30-06



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

API: 47-001-00448 WELL NO.: 1

FARM NAME: William Wentz

RESPONSIBLE PARTY NAME: Wolf Run Mining LLC

COUNTY: Barbour DISTRICT: Elk

QUADRANGLE: Philippi

SURFACE OWNER: William H. Wentz

ROYALTY OWNER: William H. Wentz

UTM GPS NORTHING: 4338678'

UTM GPS EASTING: 575843' GPS ELEVATION: 1328.72'

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:

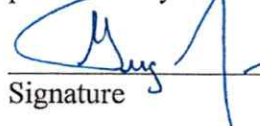
1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

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

Power of Attorney
Title

August 1, 2022
Date

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Office of Oil and Gas
AUG 18 2022
WV Department of
Environmental Protection

02/03/2023