

WW-7
8-30-06



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

API: 47-001-00671 WELL NO.: 2 - 1323

FARM NAME: H. D. Cleavenger

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: 4341705.006

UTM GPS EASTING: 577985.303 GPS ELEVATION: 1349.99

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 _____

- 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

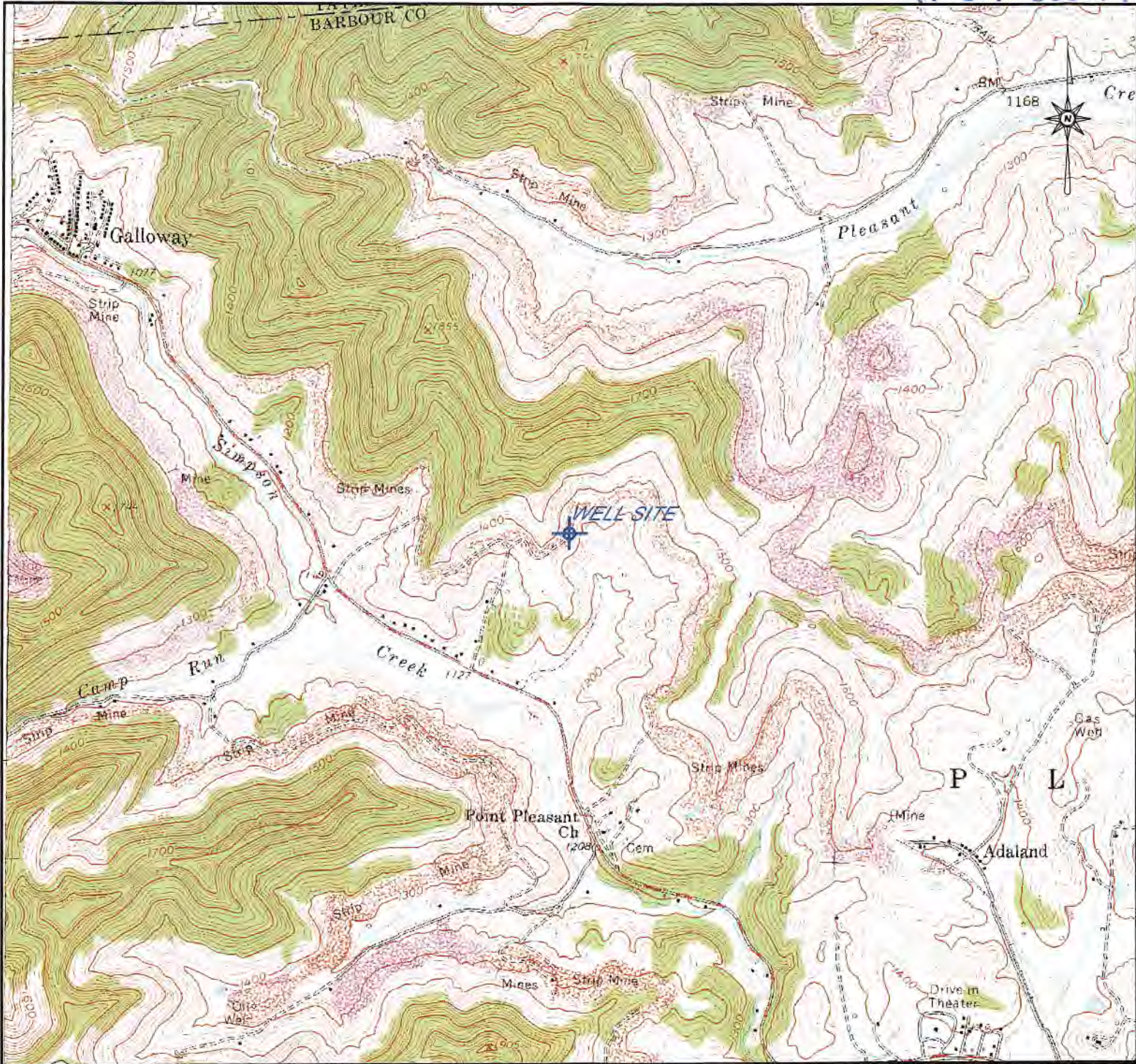
Power of Attorney

Title

January 14, 2020

Date

RECEIVED
Office of Oil and Gas
JAN 22 2020
WV Department of
Environmental Protection



LATITUDE: 39° 13' 15"
 LONGITUDE: 80° 05' 16"
 NEAREST WATERCOURSE: Simpson Creek
 NEAREST TOWN: Philippi

RECEIVED
 Office of Oil and Gas
 JAN 29 2020

OPERATOR'S WELL NO. _____
 API WELL NO. 2-1323
47 - 001 - 00671
 STATE COUNTY PERMIT

WV Department of
 Environmental Protection

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION _____ WATERSHED Simpson Creek
 DISTRICT Pleasant COUNTY Barbour
 QUADRANGLE Philippi 7 1/2'
 SURFACE OWNER: Richard L. Cleavenger, et al ACREAGE 0.00
 OIL & GAS ROYALTY OWNER: Richard L. Cleavenger, et al LEASE ACREAGE 0.00
 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 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

DRAWN	
DATE	BY
01/20	TAN
REVISED	
DATE	BY

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

API WELL NO. **47-001-00671**
 2-1323
 LOCATION MAP

Barbour County
 West Virginia

APPROVED	Pleasant District Philippi, WV 7.5' Quadrangle	Scale: 1"=2000'	File No.: 47-001-00671 2-1323.dgn	Sheet No.: 1 of 1
DATE	BY	TOPOGRAPHIC CONTOUR INTERVAL = 20'		
Path DWG/WOLF RUN/SENTINEL/SENTINEL PERMITS/WV OIL & GAS PERMIT MAPS/				