

WW-7
8-30-06



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

API: 47-091-00419 WELL NO.: 486

FARM NAME: Warren L. Shumaker, et ux

RESPONSIBLE PARTY NAME: ICG Tygart Valley, LLC

COUNTY: Taylor DISTRICT: Knottsville

QUADRANGLE: Thornton

SURFACE OWNER: Donald and Linda Hershman

ROYALTY OWNER: Donald and Linda Hershman

UTM GPS NORTHING: 4350720.323

UTM GPS EASTING: 590938.066 GPS ELEVATION: 1671.12

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]
Signature

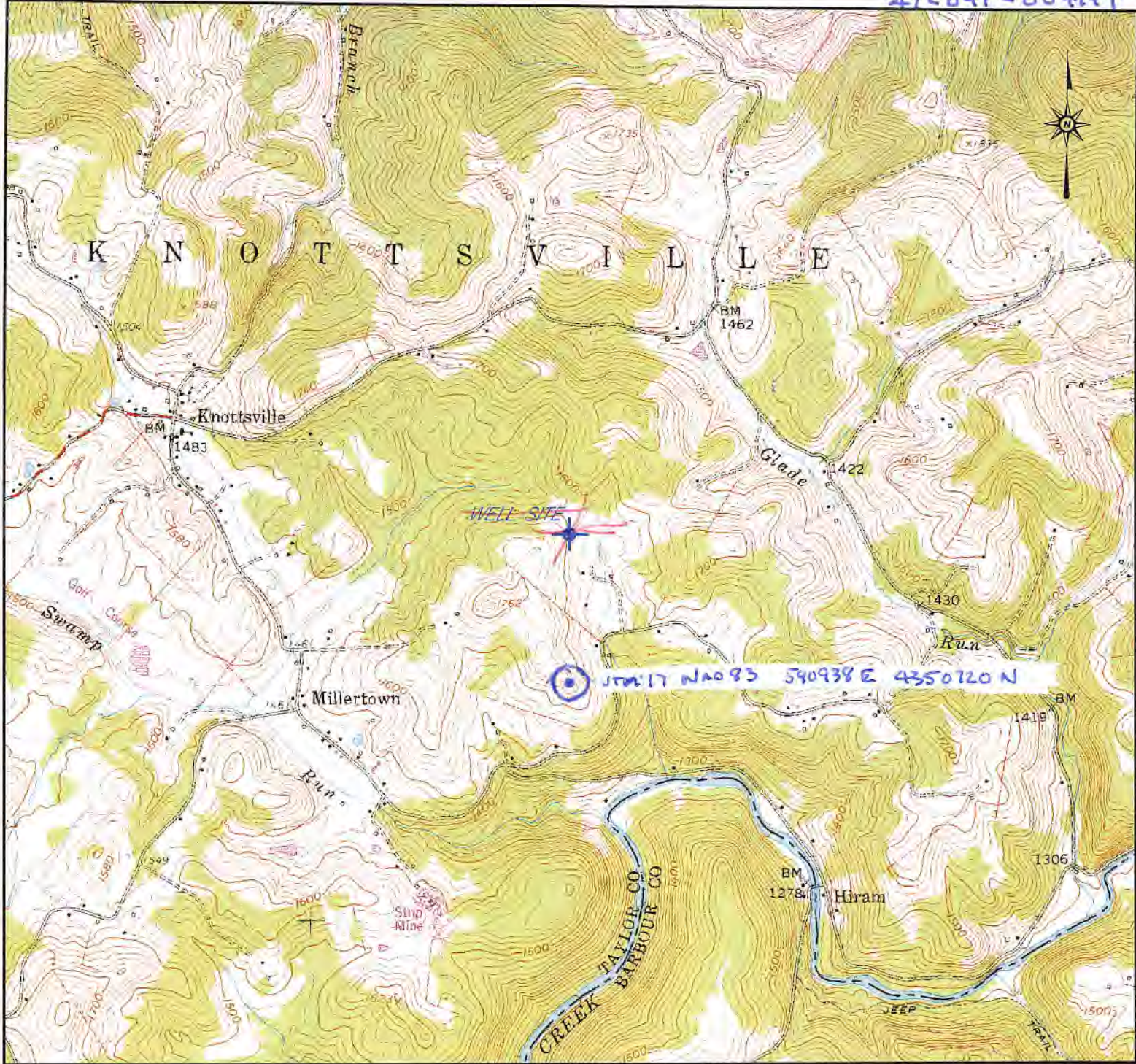
Power of Attorney

Title

February 11, 2020

Date

RECEIVED
Office of Oil and Gas
FEB 18 2020
WV Department of Environmental Protection



LATITUDE: 39° 18' 03"
 LONGITUDE: 79° 56' 44"
 NEAREST WATERCOURSE: Sandy Creek
 NEAREST TOWN: Knottsville

RECEIVED
 Office of Oil and Gas
 FEB 11 2020

OPERATOR'S WELL NO. CNGD-486
 API WELL NO. 47 - 091 - 0419
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1048 WATERSHED Sandy Creek
 DISTRICT Knottsville COUNTY Taylor
 QUADRANGLE Thornton 7 1/2'
 SURFACE OWNER: Donald and Linda Hershman ACREAGE 30.70
 OIL & GAS ROYALTY OWNER: Donald and Linda Hershman LEASE ACREAGE 35.00
 LEASE NO. 75214
 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: Havenly ESTIMATED DEPTH 5600'
 WELL OPERATOR: ICG Tygart Valley, LLC DESIGNATED AGENT: Charles E. Duckworth
 ADDRESS: 1200 Tygart Drive, Grafton, WV 26354 ADDRESS: 100 Tygart Drive, Grafton, WV 26508

DRAWN	
DATE	BY
2/20	TAN
REVISED	
DATE	BY
APPROVED	
DATE	BY

ICG Tygart Valley LLC

A Subsidiary of Arch Coal, Inc.
 1200 Tygart Drive
 Grafton, WV 26354

API Well No. 47-091-0419
 CNGD-486
 SITE LOCATION MAP

Article 3 Permit No.: U-2004-06
 Associated NPDES Permit No.: WV1017764
 Leer Deep Mine

APPROVED Knottsville District Grafton, WV 7.5' Quadrangle	Taylor County West Virginia	TOPOGRAPHIC CONTOUR INTERVAL = 20'	Scale: 1"=2000'
File No.: 47-091-0419 CNGD-486.dgn		Sheet No.: 1 of 1	

Path: DWG\TYG VALLEY\TYG #1\TYGART #1 PERMITS\U-2004-06\OIL & GAS WELL PERMITS\