

WW-7
8-30-06



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

API: 47-001-01337 WELL NO.: 1574

FARM NAME: O. T. Marks, Hrs.

RESPONSIBLE PARTY NAME: Wolf Run Mining LLC

COUNTY: Barbour DISTRICT: Pleasant

QUADRANGLE: Philippi

SURFACE OWNER: Wolf Run Mining LLC

ROYALTY OWNER: Wolf Run Mining LLC

UTM GPS NORTHING: 4339859.975

UTM GPS EASTING: 577527.263 GPS ELEVATION: 1422.98'

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:

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.**

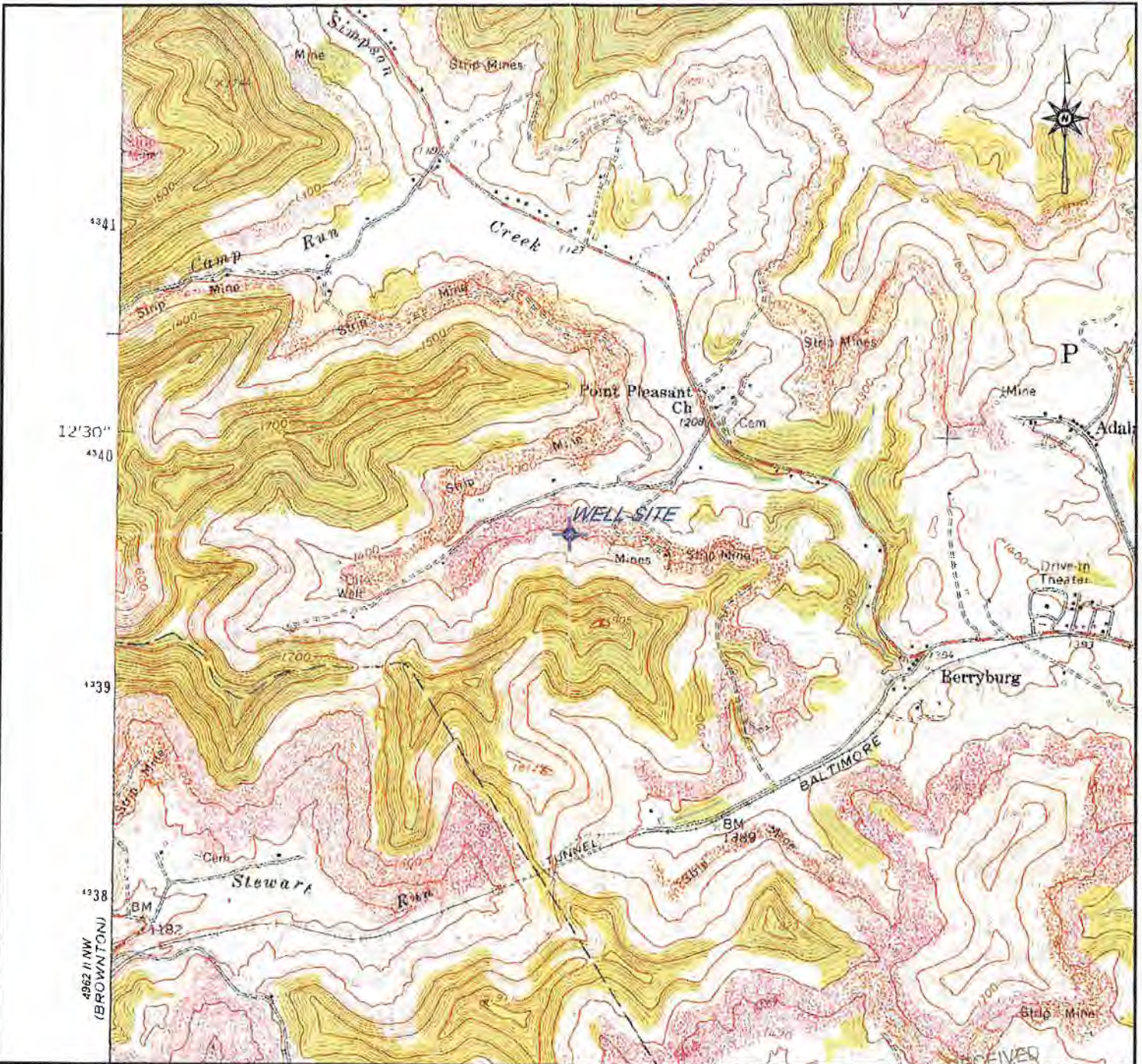
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature]
Signature

Power of Attorney
Title

January 6, 2021
Date

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



LATITUDE: 39° 12' 16"
 LONGITUDE: 80° 06' 08"
 NEAREST WATERCOURSE: Simpson Creek
 NEAREST TOWN: Philippi

OPERATOR'S WELL NO. 1574
 API WELL NO. 47 - 001 - 01337
 STATE COUNTY PERMIT

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: Wolf Run Mining LLC ACREAGE 27.25
 OIL & GAS ROYALTY OWNER: Wolf Run Mining LLC LEASE ACREAGE 55
 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 ESTIMATED DEPTH: 4200'
 WELL OPERATOR: Wolf Run Mining LLC DESIGNATED AGENT: Charles E. Duckworth
 ADDRESS: 100 Tygart Drive, Grafton, WV 26354 ADDRESS: 100 Tygart Drive, Grafton, WV 26304

RECEIVED
 Office of Oil and Gas
 JAN 22

DRAWN		Wolf Run Mining LLC A Subsidiary of Arch Resources, Inc. 100 Tygart Drive, Grafton, WV 26354	
DATE	BY		
01/21	TAN		
REVISED		API WELL NO. 47-001-01337 WELL NO. 1574 LOCATION MAP	
DATE	BY		
APPROVED		Pleasant District Philippi, WV 7.5' Quadrangle	
DATE	BY	TOPOGRAPHIC CONTOUR INTERVAL = 20'	Scale: 1"=2000'
		File No.: 47-001-01337 1574.dgn	Sheet No.: 1 of 1
Path: DWG\WOLF RUN\SENTINEL\SENTINEL PERMITS\WV OIL & GAS PERMIT MAPS\			