

WW-7  
8-30-06



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

API: 47-001-01769 WELL NO.: 1 - 1807

FARM NAME: Henry Moss

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: 434 0009

UTM GPS EASTING: 578139 GPS ELEVATION: 1444.99

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:

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

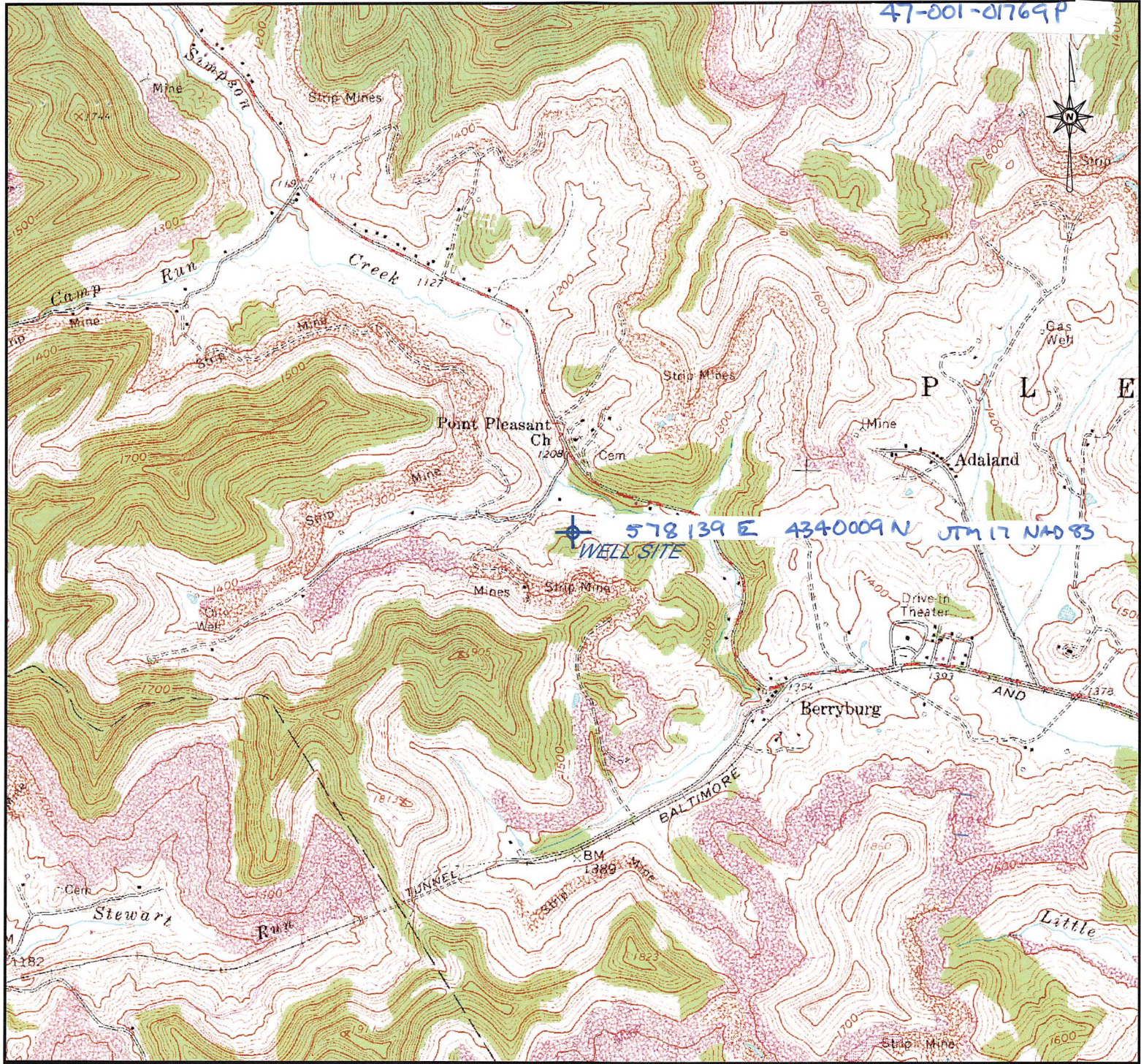
January 14, 2020  
\_\_\_\_\_  
Date

RECEIVED  
Office of Oil and Gas

JAN 22 2020

WV Department of  
Environmental Protection

47-001-01769P



RECEIVED  
Office of Oil and Gas

JAN 22 2020

WV Department of  
Environmental Protection

LATITUDE: 39° 12' 21"  
LONGITUDE: 80° 05' 42"  
NEAREST WATERCOURSE: Simpson Creek  
NEAREST TOWN: Phillippi

OPERATOR'S WELL NO. \_\_\_\_\_  
API WELL NO. 1-1807  
**47 - 001 - 01769**  
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 Phillippi 7 1/2'  
SURFACE OWNER: Wolf Run Mining LLC ACREAGE 123  
OIL & GAS ROYALTY OWNER: Wolf Run Mining LLC LEASE ACREAGE 160  
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 4700'  
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
APPROVED	
DATE	BY

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

API WELL NO. 47-001-01769  
1-1807  
LOCATION MAP

Pleasant District Phillippi, WV 7.5' Quadrangle		Barbour County West Virginia	
TOPOGRAPHIC CONTOUR INTERVAL = 20'	Scale: 1"=2000'	File No.: 47-001-01769 1-1807.dgn	Sheet No.: 1 of 1
Path DWG/WOLF RUN/SENTINEL/SENTINEL PERMITS/WV OIL & GAS PERMIT MAPS/			