

WW-7  
8-30-06



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

API: 47-051-01127 WELL NO.: MC-46A

FARM NAME: White

RESPONSIBLE PARTY NAME: Murray Energy Corporation

COUNTY: Marshall DISTRICT: Cameron

QUADRANGLE: Cameron, WV 7.5'

SURFACE OWNER: Russell L. White Jr., et ux

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4413199.45

UTM GPS EASTING: 536921.99 GPS ELEVATION: 390.60

(1281.5')

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.**

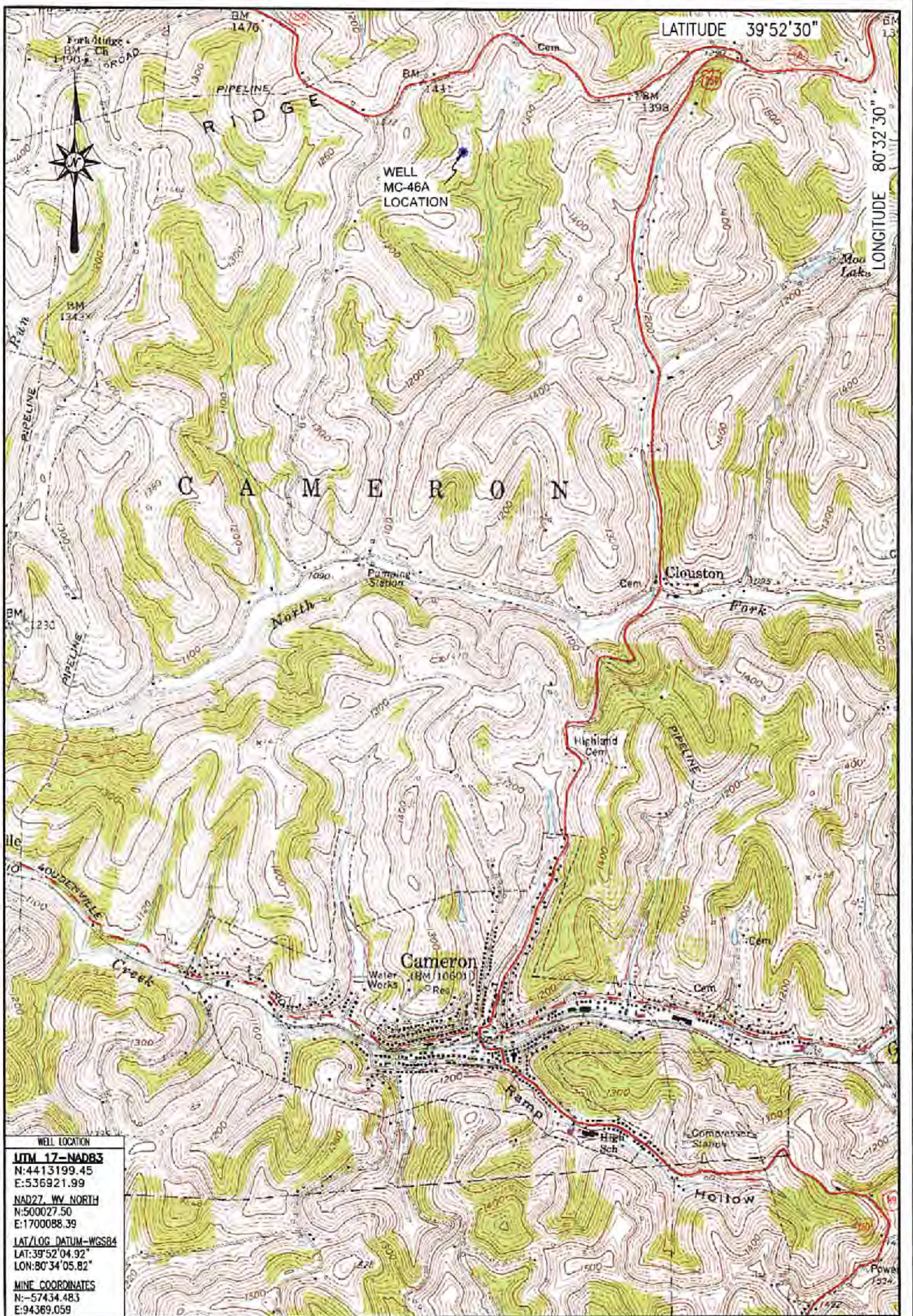
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature *Jeffrey A. Morgan*

Well Permitting Manager  
Title

20 December 2018  
Date



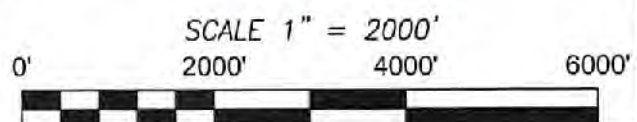


WELL LOCATION  
**ITM 17-NAD83**  
 N:4413199.45  
 E:536921.99  
**NAD27 WV NORTH**  
 N:500027.50  
 E:1700088.39  
**LAT/LOG DATUM-WGS84**  
 LAT:39°52'04.92"  
 LON:80°34'05.82"  
**MINE COORDINATES**  
 N:-57434.483  
 E:94369.059

LOCATION MAP  
 DECEMBER 20, 2018

**Blue Mountain**  
 10125 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

MC-46A  
 CAMERON QUADRANGLE  
 WEST VIRGINIA

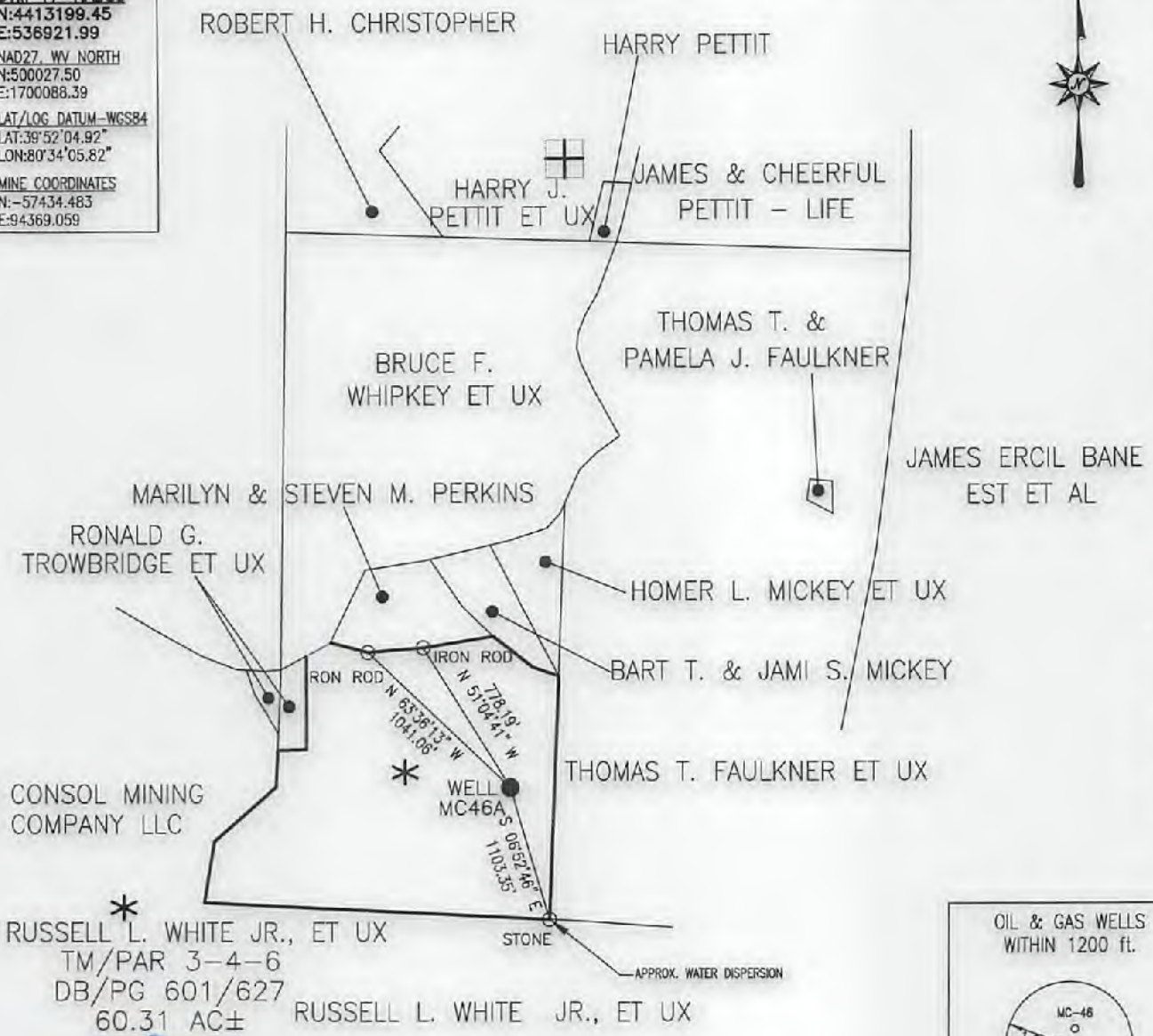




Well is located on topo map 2,590 feet south of Latitude: 39° 52' 30"

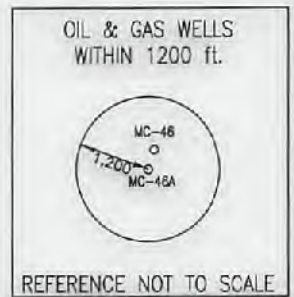
Well is located on topo map 7,526 feet west of Longitude: 80° 32' 30"

WELL LOCATION  
**UTM 17-NAD83**  
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 E:536921.99  
 NAD27, WV NORTH  
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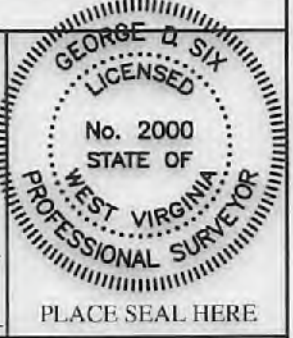
**Blue Mountain**  
 10125 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

NOTE:  
 It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



FILE #: MC-46A  
 DRAWING #: MC-46A  
 SCALE: 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.  
 Signed: *George D. Six*  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: DECEMBER 20, 2018  
 OPERATOR'S WELL #: MC-46A  
 API WELL #: 47 51 01127 P  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1281.48'

COUNTY/DISTRICT: MARSHALL / CAMERON QUADRANGLE: CAMERON, WV 7.5'

SURFACE OWNER: RUSSELL L. WHITE JR., ET UX ACREAGE: 60.31±

OIL & GAS ROYALTY OWNER: \_\_\_\_\_ ACREAGE: \_\_\_\_\_

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: \_\_\_\_\_ ESTIMATED DEPTH: 820'±

WELL OPERATOR MURRAY ENERGY CORPORATION DESIGNATED AGENT DAVID RODDY  
 Address 6126 ENERGY DRIVE Address 6126 ENERGY DRIVE  
 City MOUNDSVILLE State WV Zip Code 26041 City MOUNDSVILLE State WV Zip Code 26041