

1,507' TOP HOLE
175' BOTTOM HOLE
LATITUDE 39° 20' 00"

**MOUNTAINEER KEYSTONE
WELL NO. GRAGG 203**

NOTES:
PLAT BASED ON NAD 2011 (CORS) WV STATE PLANE NORTH GRID NORTH ELEVATIONS BASED ON GEOID 2012A US SURVEY FEET UNLESS SHOWN OTHERWISE.

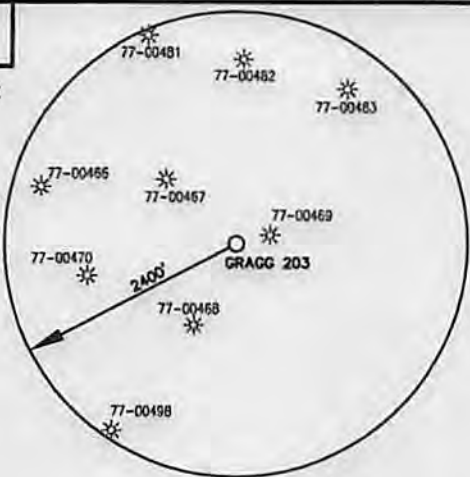
-THERE ARE NO (0) WATER WELL(S) LOCATED WITHIN 250' OF WELL GRAGG 203.

-THERE ARE NO (0) DWELLINGS OR AGRICULTURAL STRUCTURES USED FOR HOUSING LIVESTOCK WITHIN 825' OF WELL GRAGG 203.

⊙ = MONUMENT FOUND IRON REBAR UNLESS NOTED OTHERWISE.

UT = UNNAMED TRIBUTARY

-THE LEASE BOUNDARIES COINCIDE WITH SURFACE PROPERTY LINES AS REPRESENTED.



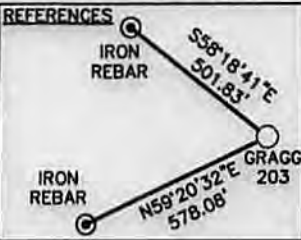
	TM	PAR	OWNER
A	9	14.2	JAMES E. GRAGG
B	15	3	WAYNE & GLORIA WAGNER
C	15	6	JOHN & LORETTA CLARKSON
D	15	7	WAYNE & GLORIA WAGNER

LONGITUDE 79° 52' 30"
5,725' BOTTOM HOLE
894' TOP HOLE

USER: elytle
LAYOUT: 203
PLOT DATE/TIME: 7/11/2014 - 10:02am
CAD FILE: L:\030-2476 - Mountaineer Keystone - Gragg Well Pad\Survey\Gragg.dwg

L1 | S69°18'05"W | 754.12'

T1 | N20°30'19"E | 1548.4'
T2 | N42°18'27"W | 651.7'



TH | BH
DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP

SURVEYED PROPERTY BOUNDARY
500' BUFFER



Michael S. Wolf, P.S. 2270

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

FILE NO. 030-2476

SCALE: 1"=2000'

MINIMUM DEGREE OF ACCURACY: 1 in 2500

PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

DATE JULY 9, 2014

OPERATOR'S WELL NO. MOUNTAINEER KEYSTONE GRAGG 203

API WELL NO.

47 - 077 - 00614 HSA
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS"), PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,500.0' WATER SHED: LITTLE SANDY CREEK

DISTRICT: RENO COUNTY: PRESTON

QUADRANGLE: THORNTON 7.5' ACREAGE: 120 AC±

SURFACE OWNER: JAMES E. GRAGG LEASE ACREAGE: 456.80 AC+

OIL & GAS ROYALTY OWNER(S): JAMES E. GRAGG/JOHN & LORETTA CLARKSON/WAYNE & GLORIA WAGNER

LEASE NO. 040/046/577

THRASHER

THE THRASHER GROUP, INC.
800 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

PERFORATE NEW FORMATION PLUG OFF OLD FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 8,359' TVD / 13,941' MD

WELL OPERATOR: MOUNTAINEER KEYSTONE, LLC.

DESIGNATED AGENT: NATHAN SKEEN

ADDRESS: 1111 VAN VOORHIS ROAD, SUITE G
MORGANTOWN, WV 26505

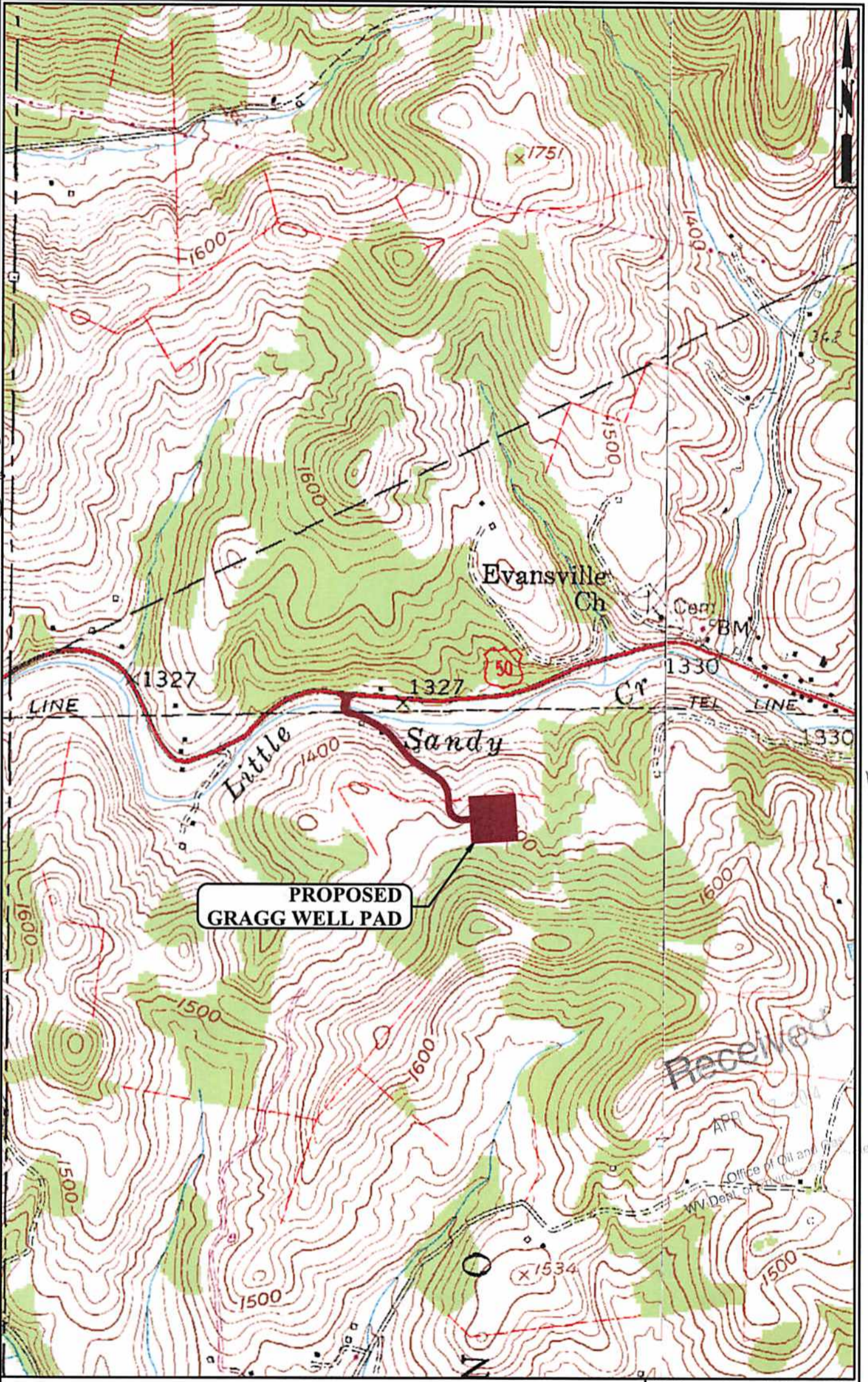
ADDRESS: 1111 VAN VOORHIS ROAD, SUITE G
MORGANTOWN, WV 26505

08/15/2014

USER: patricia a. escoriaza

PLOT DATE/TIME: 3/27/2014 2:34 PM

CAD FILE: R:\030-2476 - Mountaineer Keystone - Gragg Well Pad\Drawing\z-2476-WW9-Cover.dwg



PROPOSED GRAGG WELL PAD



PROJECT# 030-2476

THRASHER
 THE THRASHER GROUP INC.
 CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 800 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (204) 824-4108 • FAX (204) 824-7831

Mountaineer
Keystone
 LLC

GRAGG WELL PAD
 GLADESVILLE AND FELLOWSVILLE, WV
 QUAD MAPS

SHEET No.
1