

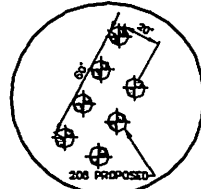
GRID NORTH
NAD 83

| TRACT / LESSOR | PARCEL NUMBER |
|---|---------------|
| 1 MIDDLE O. S. & MARGARET Y | 422006487 |
| 2 MICK ROBERT D & LISBETH A | 422008521 |
| 3 NESTOR NATHANIEL BURT JR & ANNA-ELIZABETH | 422008645 |
| 4 NESTOR NATHANIEL BURT JR & ANNA-ELIZABETH | 422008518 |
| 5 NESTOR NATHANIEL BURT JR & ANNA-ELIZABETH | 422008644 |
| 6 JAKERS GARY G & JOYCE K | 422008514 |
| 7 SHELTON TIMOTHY & JANET | 422008516 |
| 8 PITZER GEORGE D, LIFE EST | 422008631 |
| 9 JINGER FRANK E JR | 422008512 |
| 10 JINGER FRANK E JR | 422008510 |
| 11 BOYCE LAWRENCE JR | 422008643 |
| 12 HARKER ROSALEA | 422008489 |
| 13 BOYCE LAWRENCE JR | 422008637 |
| 14 BOYCE LAWRENCE JR | 422008840 |
| 15 BOYCE LAWRENCE JR | 422008515 |
| 16 HARKER ROSALEA | 422008481 |
| 17 MOWEN, BEN & BERGDORF, ZACKARY | 422008477 |
| 18 HARKER ROSALEA | 422008479 |
| 19 HARSHBERGER BEATRICE I/E | 422008692 |
| 20 KEENER DAVID A & MARY CRAIG | 422008459 |
| 21 SMITH ROY C JR & MARY | 422007480 |
| 22 WOLFE CATHARINE | 422008444 |
| 23 WOLFE JOHN MOORE & MARGARET J | 422008411 |
| 24 PITZER JAMES | 422008391 |
| 25 MACKAY MARGARET LIFE EST & JOHN M WOLFE | 422008402 |
| 26 WOLFE JOHN M & VICKIE C | 422005906 |
| 27 WOLFE HAZEL N | 422006474 |
| 28 MACKAY MARGARET J LIFE EST | 422008375 |
| 29 MACKAY MARGARET LIFE EST & JOHN M WOLFE | 422008410 |

GENERAL NOTES:

1. THE BOUNDARY LINES SHOWN HEREON ARE BASED ON RECORD DEED, PLATS, AND TAX MAPS BEST FIT TO FOUND FIELD EVIDENCE AND AERIAL PHOTOS.
2. THIS PLAT DOES NOT REPRESENT AN ACTUAL BOUNDARY SURVEY OF THE INDIVIDUAL PARCELS.

DETAIL N.T.S

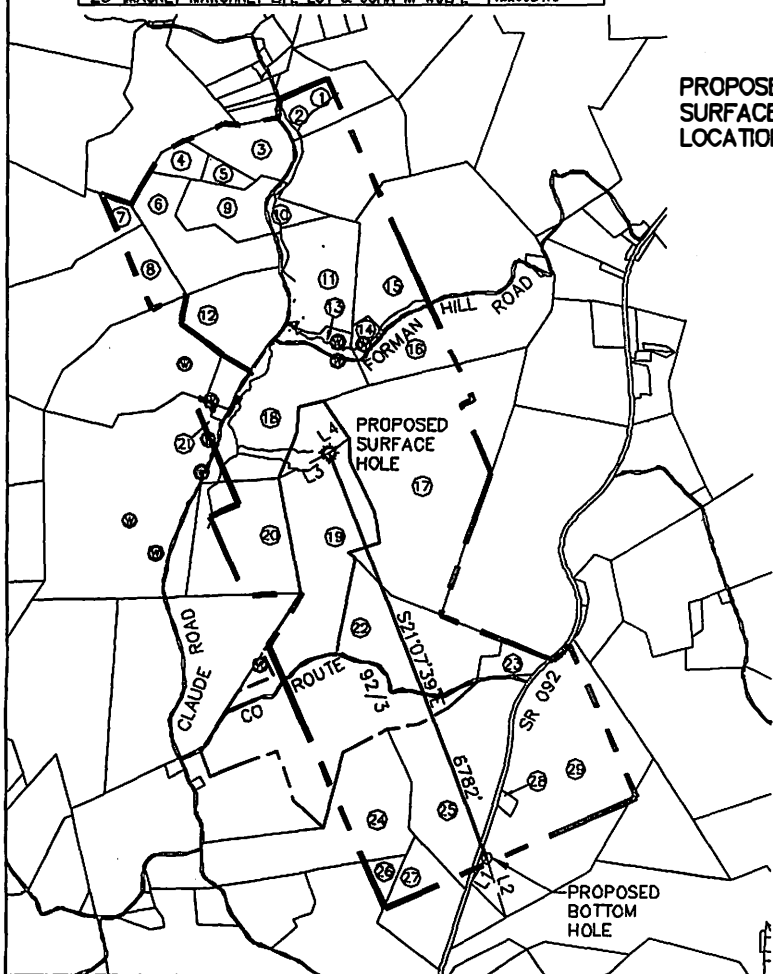


| LINE | BEARING | LENGTH |
|------|-------------|--------|
| L1 | N31°07'40"E | 455' |
| L2 | S17°22'43"E | 984' |
| L3 | S62°07'21"W | 870' |
| L4 | N54°32'55"E | 373' |

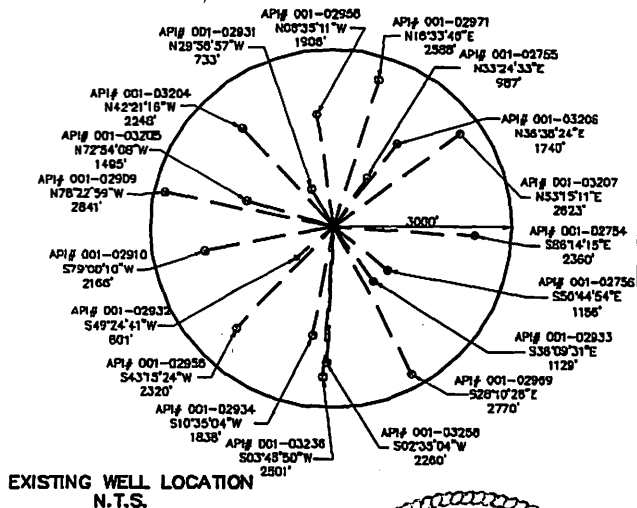
LEGEND

- PROPOSED GAS WELL
- PROPOSED BOTTOM HOLE
- PROPOSED BORE
- PROPERTY CORNER TIE LINE
- OIL & GAS LEASE BOUNDARY
- STREAM
- WATER WELL

PROPOSED SURFACE LOCATION



| SURFACE POINT | BOTTOM HOLE |
|--|--|
| LAT: 39.270757° (NAD 83) LONG: 79.898822° (NAD 83) N: 280981.48 (NAD 83) E: 1855590.24 (NAD 83) | LAT: 39.263418° (NAD 83) LONG: 79.890080° (NAD 83) N: 274655.44 (NAD 83) E: 1858034.67 (NAD 83) |
| LAT: 39.270859° (NAD 27) LONG: 79.899026° (NAD 27) N: 280940.66 (NAD 27) E: 1887029.53 (NAD 27) | LAT: 39.253319° (NAD 27) LONG: 79.890294° (NAD 27) N: 274614.20 (NAD 27) E: 1888474.09 (NAD 27) |
| N: 4347401.31m (UTM NAD 83) E: 594988.63m (UTM NAD 83) | N: 4345486.24m (UTM NAD 83) E: 595766.41m (UTM NAD 83) |



FILE#: 092942000

DRAWING#: 092942000_PB000_WellPlat

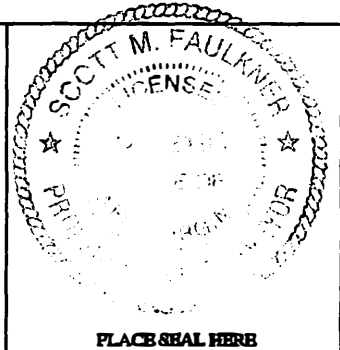
SCALE: 1" = 3000'

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING SURVEY GPS

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: [Signature]
R.P.R.: _____ L.L.S.: 2190



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: OCTOBER 02, 2012
OPERATOR'S WELL #: HARSHBERGER 208
API WELL #: 47 001 03277 HGA
STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL GAS LIQUID INJECTION

PRODUCTION DEEP STORAGE SHALLOW

WATERSHED: TYGART VALLEY
COUNTY/DISTRICT: BARBOUR / COVE
SURFACE OWNER: BEATRICE HARSHBERGER
OIL & GAS ROYALTY OWNER: _____

ELEVATION: 1,795'
QUADRANGLE: THORNTON
ACREAGE: 203±(DEED)
ACREAGE: _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON

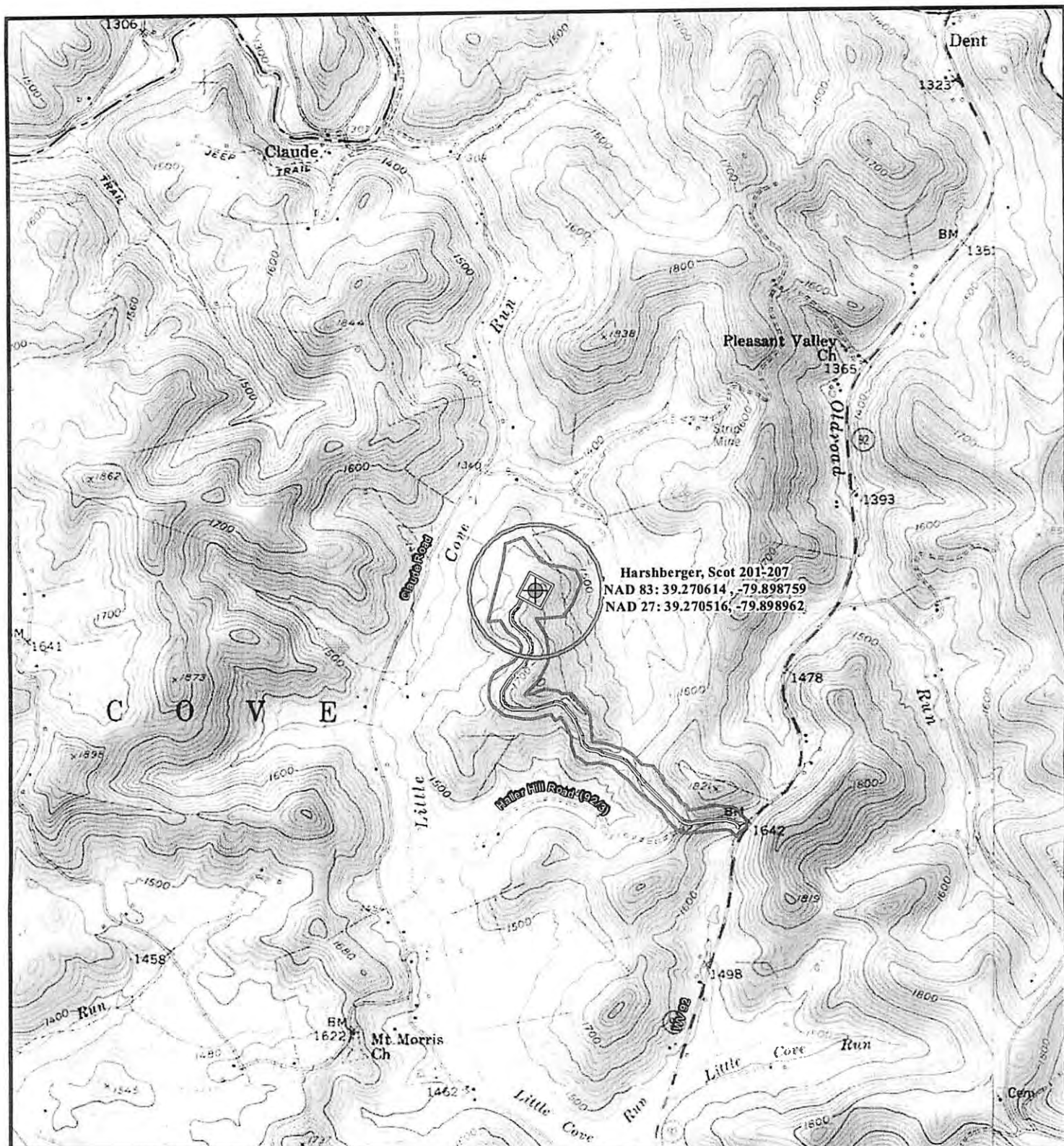
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____





TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TMD: 14503' TVD: 7884'

WELL OPERATOR: MOUNTAINEER KEYSTONE, LLC DESIGNATED AGENT: JOHN NOCK

ADDRESS: 1111 VAN VOORHIS DRIVE SUITE G ADDRESS: 1111 VAN VOORHIS DRIVE SUITE G

CITY: MORGANTOWN STATE: WV ZIP CODE: 26505 CITY: MORGANTOWN STATE: WV ZIP CODE: 26505

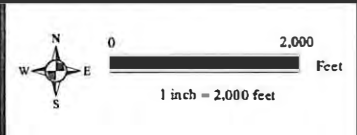


 Proposed Well Pad
 Well Pad & Access Road Outline
 Area of Investigation (78 Acres)
 1,000 Foot Buffer

RECEIVED
Office of Oil and Gas
 AUG 13 2012
WV Department of Environmental Protection

Cove District, Barbour County, WV
 Thornton, WV USGS 7.5' Topographic Quadrangle
8/7/2012

Mountaineer Keystone
 Harshberger, Scot 201-207
Figure 3: Water Purveyor Topographic Map
 Project No: 092942000





Mountaineer Keystone, LLC
 Harshberger, Scot 201-207
 1500 Foot Landowner Map
 Cove District, Barbour County, WV
 PROJECT NO: 092942000

9292012



Well Pad Centroid



NHD Stream



NW1 Wetland



Parcel Boundary



1500 Foot Well Buffer



Parcel's Touching Buffer



0 400 800 Feet
 1 inch = 800 Feet



BETTEW

L:\Projects\092942000\092942000.dwg (02/12/2012) Harshberger, Scot Buffer, April 11/12 2012