

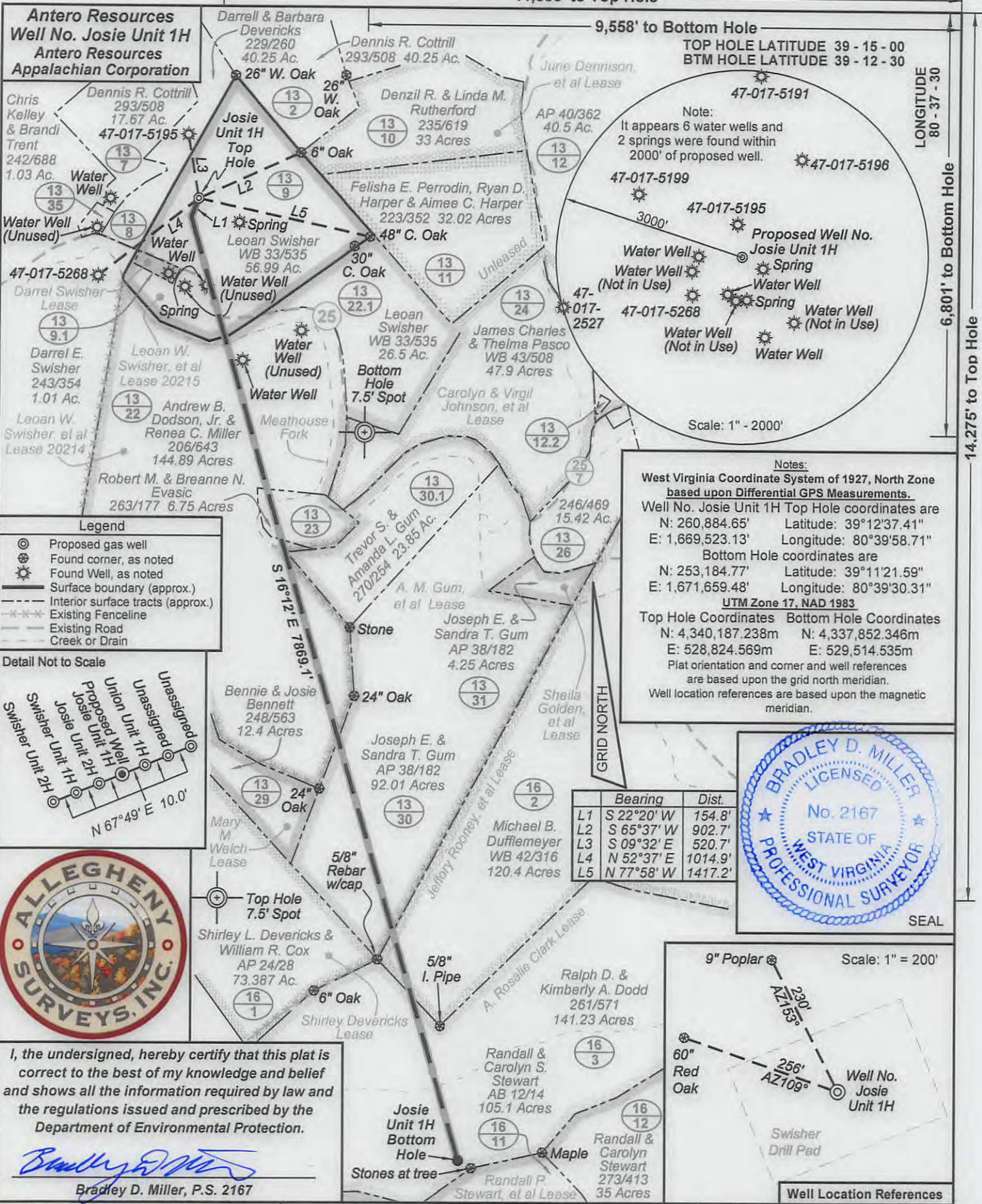
11,885' to Top Hole

9,558' to Bottom Hole

TOP HOLE LATITUDE 39 - 15 - 00
BTM HOLE LATITUDE 39 - 12 - 30

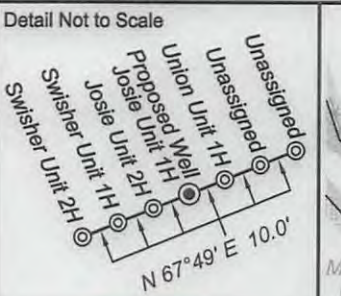
LONGITUDE
80 - 37 - 30

6,801' to Bottom Hole
14,275' to Top Hole



Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Josie Unit 1H Top Hole coordinates are
N: 260,884.65' Latitude: 39°12'37.41"
E: 1,669,523.13' Longitude: 80°39'58.71"
Bottom Hole coordinates are
N: 253,184.77' Latitude: 39°11'21.59"
E: 1,671,659.48' Longitude: 80°39'30.31"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,340,187.238m N: 4,337,852.346m
E: 528,824.569m E: 529,514.535m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

- Legend**
- ⊙ Proposed gas well
 - ⊙ Found corner, as noted
 - ⊙ Found Well, as noted
 - Surface boundary (approx.)
 - - - Interior surface tracts (approx.)
 - Existing Fenceline
 - Existing Road
 - Creek or Drain



| | Bearing | Dist. |
|----|------------|---------|
| L1 | S 22°20' W | 154.8' |
| L2 | S 65°37' W | 902.7' |
| L3 | S 09°32' E | 520.7' |
| L4 | N 52°37' E | 1014.9' |
| L5 | N 77°58' W | 1417.2' |

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.

Bradley D. Miller
Bradley D. Miller, P.S. 2167

FILE NO: 72-30-NM-13
DRAWING NO: 72-13 Josie Unit 1H
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

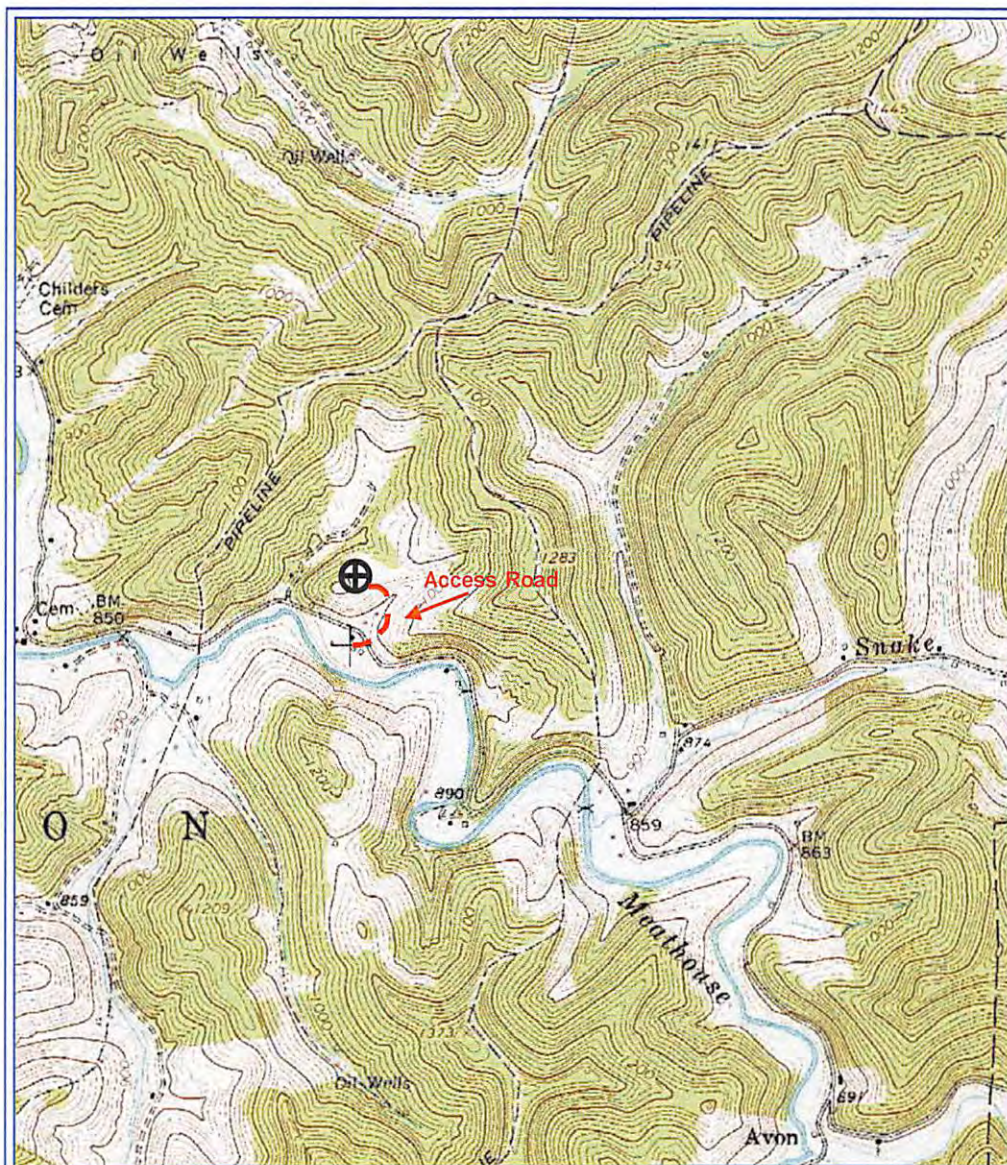
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 9 2013
OPERATOR'S WELL NO. Josie Unit 1H
API WELL NO
47 - 017 - 06265H6A
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 976' WATERSHED: Meathouse Fork QUADRANGLE: New Milton
DISTRICT: New Milton COUNTY: Doddridge 120
SURFACE OWNER: Leonan Swisher, et al A. M. Gum, et al; A. Rosalie Clark 20215 ACREAGE: 56.99 178.14
OIL & GAS ROYALTY OWNER: Jeffery Rooney, et al; Leonan W. Swisher, et al LEASE #: 20214 ACREAGE: 56.99; 116; 141.46
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 7,000' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,400' MD

WELL OPERATOR: Antero Resources Appalachian Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1625 17th Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

06/07/2013



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Antero Resources

Appalachian Basin

Josie Unit 1H

Doddridge County

Ratio Scale = 1 : 24,000



REMARKS

Quadrangle: New Milton
Watershed: Meathouse Fork
District: New Milton

By: TRO

RECEIVED
Office of Oil and Gas

APR 12 2013

WV Department of
Environmental Protection