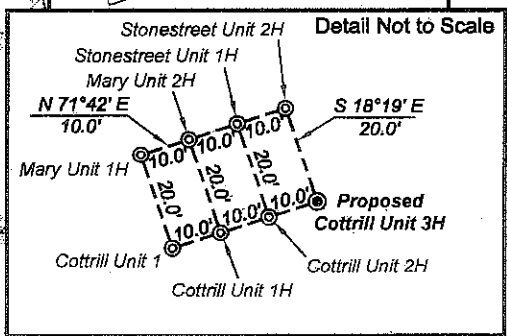
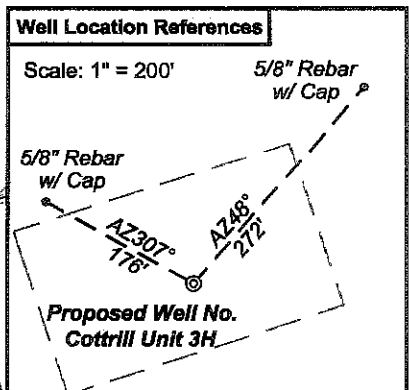
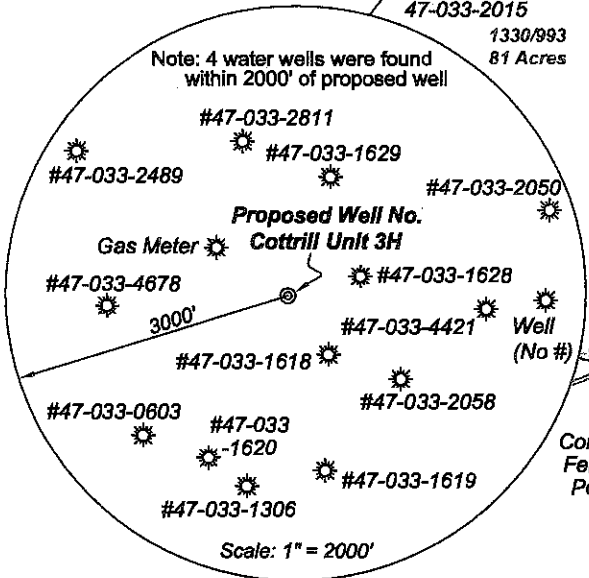


Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Cottrill Unit 3H Top Hole coordinates are
 N: 280,400.27' Latitude: 39°15'56.57"
 E: 1,722,695.66' Longitude: 80°28'45.91"
 Bottom Hole coordinates are
 N: 275,920.36' Latitude: 39°15'12.52"
 E: 1,724,838.35' Longitude: 80°28'18.05"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,346,402.985m N: 4,345,049.011m
 E: 544,924.783m E: 545,600.288m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.



	Bearing	Dist.
L1	S 75°09' W	678.3'
L2	N 83°02' E	771.2'
L3	N 79°58' W	959.7'
L4	N 27°50' W	528.0'

Legend

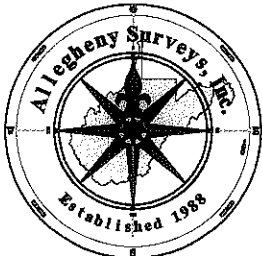
- ⊙ Proposed gas well
- ⊕ Found corner, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- Existing Fenceline

(⊕) Denotes Location of Well on United States Topographic Maps

Bottom Hole 7.5' Spot

Tax Map 323 Parcels

Par	Owner	Bk/Pg	Acres
1	26.1 Ronald L. & Laura Lee Huffman	1393/169	1.00
2	12.1 Marianne Kirien Lance	1465/926	1.96
3	25 Ronald L. & Laura Lee Huffman	1346/266	1.07
4	27 Oliver L. & Delma J. Huffman	1126/1099	24.0
5	12 Edgar Southern	1020/682	27.54



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.

Dwayne D. Matheny
 Dwayne D. Matheny, P.S. 2070



FILE NO: 222-36-TM-11
 DRAWING NO: 222-11 Cottrill Unit 3H
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS Glenville, WV

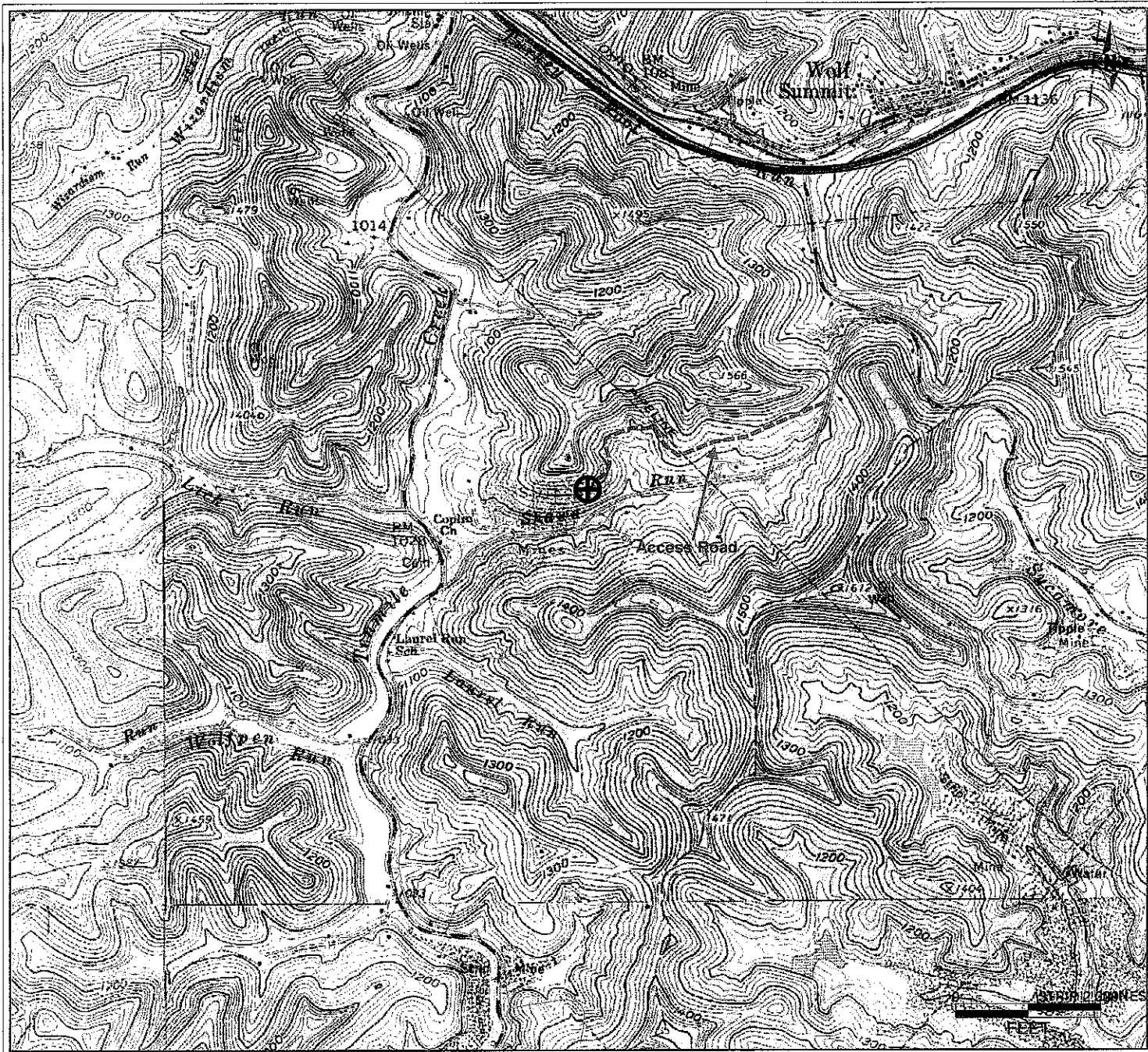
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: January 11 20 12
 OPERATOR'S WELL NO. Cottrill Unit 3H
 API WELL NO
 47 - 033 - 05602116
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1175' WATERSHED: Shaws Run of Tenmile Creek QUADRANGLE: Wolf Summit
 DISTRICT: Tenmile COUNTY: Harrison
 SURFACE OWNER: Edgar Southern John J. Williams 045515 ACREAGE: 27.54
 Charles Lee Andrew; Marie S. Johnson 052865; DV014265 1000
 ROYALTY OWNER: Mary V. Matheny & W.T. Williams; William Cottrill LEASE NO: 002304; 077910 ACREAGE: 30; 90; 330; 48.5
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER 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: Marcellus Shale ESTIMATED DEPTH: 7,200' TVD / 12,800' 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

04/27/2012



Antero Resources Corporation
APPALACHIAN BASIN
Cottrill Unit 3H Harrison County
REMARKS QUADRANGLE: WOLF SUMMIT WATERSHED: WEST FORK DISTRICT: TENMILE
Date: 01/06/12

RECEIVED
 OFFICE OF OIL & GAS
 JAN 17 2012
 WV DEPARTMENT OF
 ENVIRONMENTAL PROTECTION