

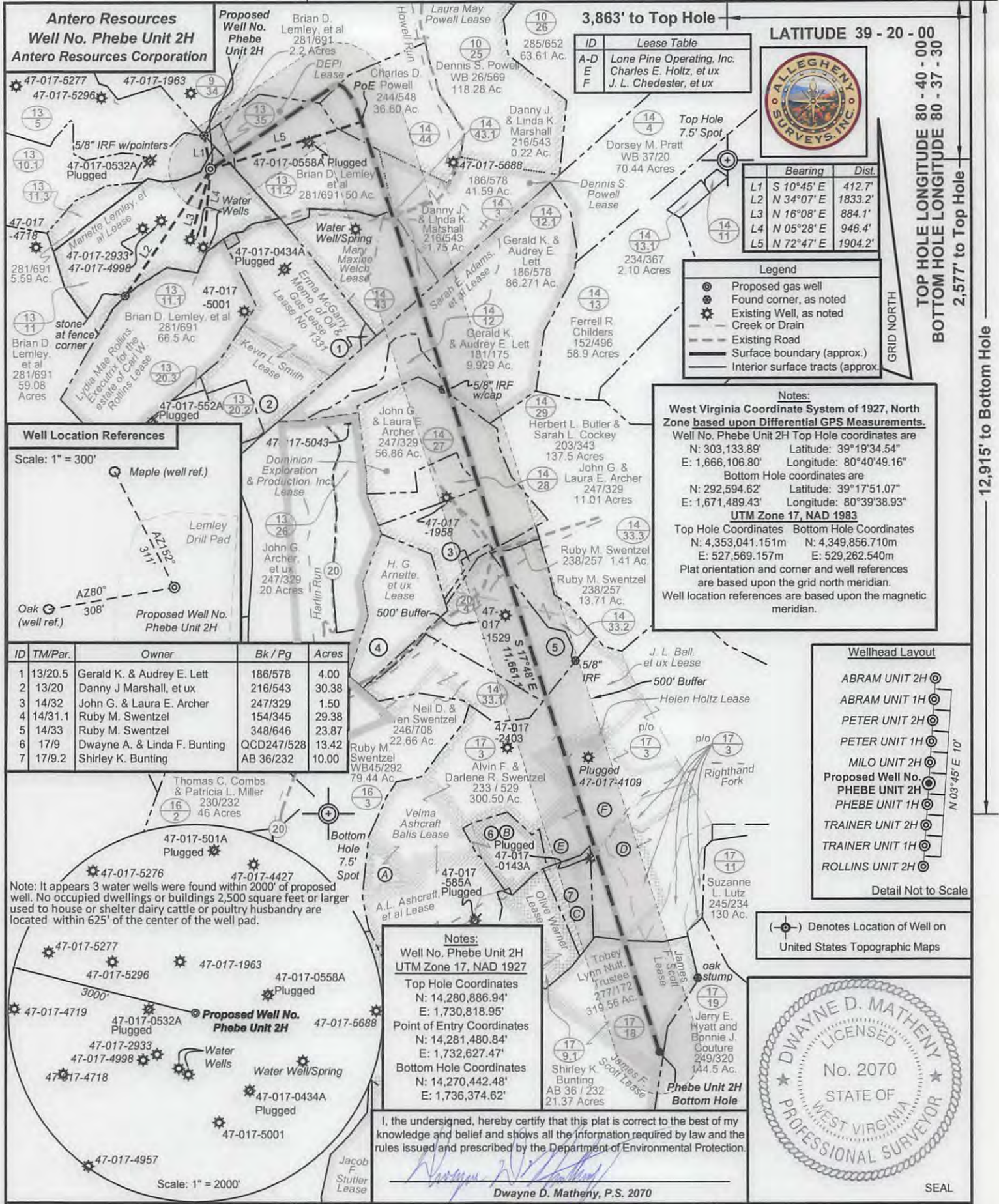
10,298' to Bottom Hole

3,863' to Top Hole

LATITUDE 39 - 20 - 00

TOP HOLE LONGITUDE 80 - 40 - 00
BOTTOM HOLE LONGITUDE 80 - 37 - 30
2,577' to Top Hole

12,915' to Bottom Hole



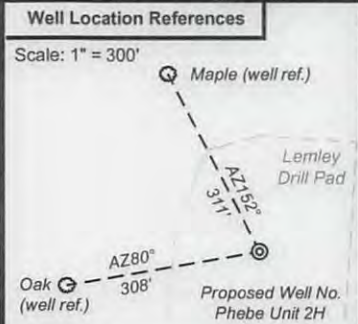
ID	Lease Table
A-D	Lone Pine Operating, Inc.
E	Charles E. Holtz, et ux
F	J. L. Chedester, et ux



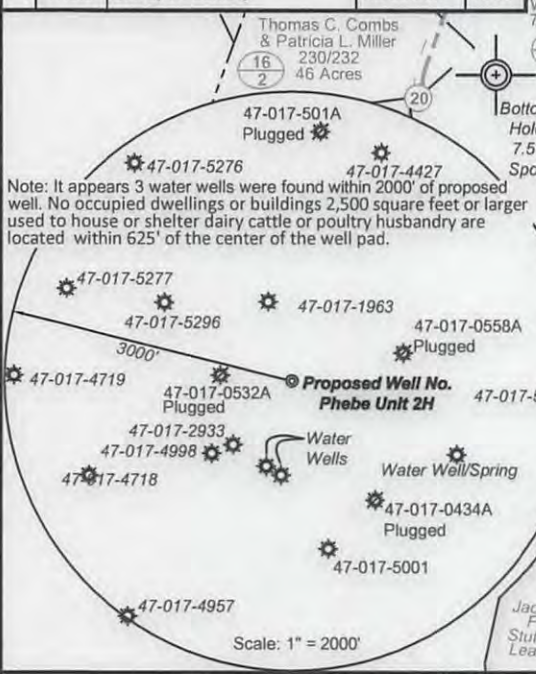
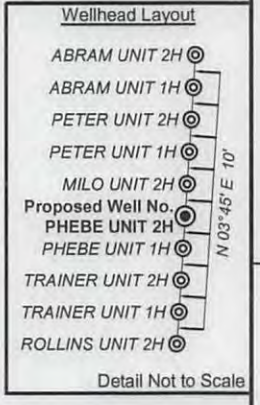
Bearing	Dist.
L1 S 10°45' E	412.7'
L2 N 34°07' E	1833.2'
L3 N 16°08' E	884.1'
L4 N 05°28' E	946.4'
L5 N 72°47' E	1904.2'

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

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Phebe Unit 2H Top Hole coordinates are
N: 303,133.89' Latitude: 39°19'34.54"
E: 1,666,106.80' Longitude: 80°40'49.16"
Bottom Hole coordinates are
N: 292,594.62' Latitude: 39°17'51.07"
E: 1,671,489.43' Longitude: 80°39'38.93"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,353,041.151m N: 4,349,856.710m
E: 527,569.157m E: 529,262.540m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.



ID	TM/Par.	Owner	Bk / Pg	Acres
1	13/20.5	Gerald K. & Audrey E. Lett	186/578	4.00
2	13/20	Danny J Marshall, et ux	216/543	30.38
3	14/32	John G. & Laura E. Archer	247/329	1.50
4	14/31.1	Ruby M. Swentzel	154/345	29.38
5	14/33	Ruby M. Swentzel	348/646	23.87
6	17/9	Dwayne A. & Linda F. Bunting	QCD247/528	13.42
7	17/9.2	Shirley K. Bunting	AB 36/232	10.00



Notes:
Well No. Phebe Unit 2H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,280,886.94'
E: 1,730,818.95'
Point of Entry Coordinates
N: 14,281,480.84'
E: 1,732,627.47'
Bottom Hole Coordinates
N: 14,270,442.48'
E: 1,736,374.62'

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.

Dwayne D. Matheny, P.S. 2070



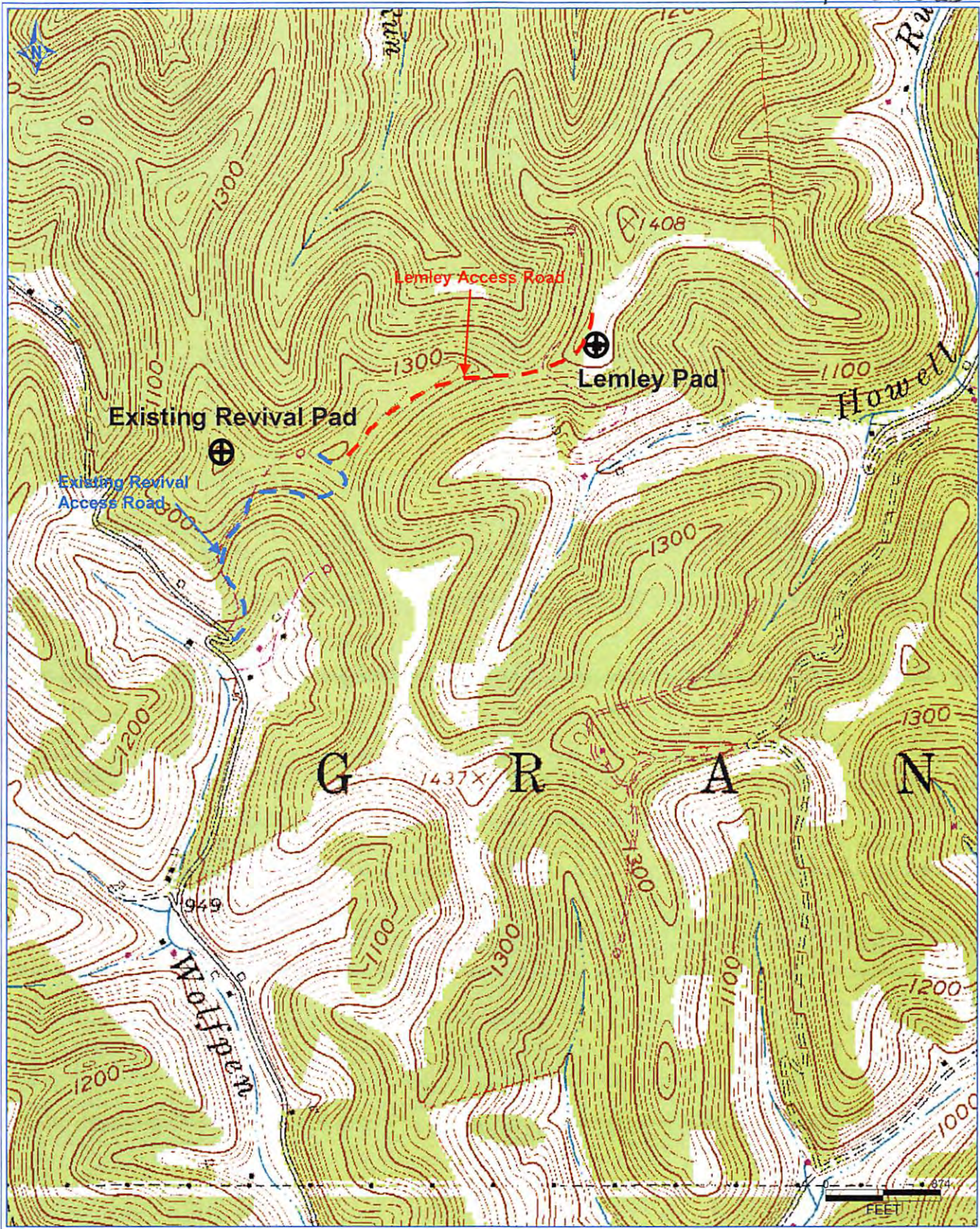
FILE NO: 298-30-G-14
DRAWING NO: 298-14 Phebe 2H Well Plat
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

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

DATE: August 10 20 17
OPERATOR'S WELL NO. Phebe Unit 2H
API WELL NO. H6A
47 - 017 - 06863
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1303.6' (As-built) 1324.0' (org. gnd) WATERSHED: McElroy Creek QUADRANGLE: Smithburg
DISTRICT: Grant James F. Scott; Sarah E. Adams, et al; Laura May Powell; Dennis S. Powell; J.L. Chedester, et ux; Lone Pine Operating, Inc.; Charles E. Holtz, et ux; COUNTY: Doddridge
SURFACE OWNER: Phillip N. Hill, et al ACREAGE: 59.08
ROYALTY OWNER: Dominion Exploration & Production, Inc. (2); Mariette Lemley, et al; J.L. Ball, et ux; LEASE NO: ACREAGE: 50.98; 64.12.66; 6.287; 66.87; 35.7311; 79.06; 138; 49.5; ESTIMATED DEPTH: 7,600' TVD 19,700' MD
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

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313



RECEIVED
Office of Oil and Gas
AUG 14 2017
WV Department of
Environmental Protection

Antero Resources Corporation
Appalachian Basin
Phebe Unit 2H
Doddridge County
Quadrangle: Smithburg 7.5'
Watershed: McElroy Creek
District: Grant
Date: 8-04-2014

09/29/2017