

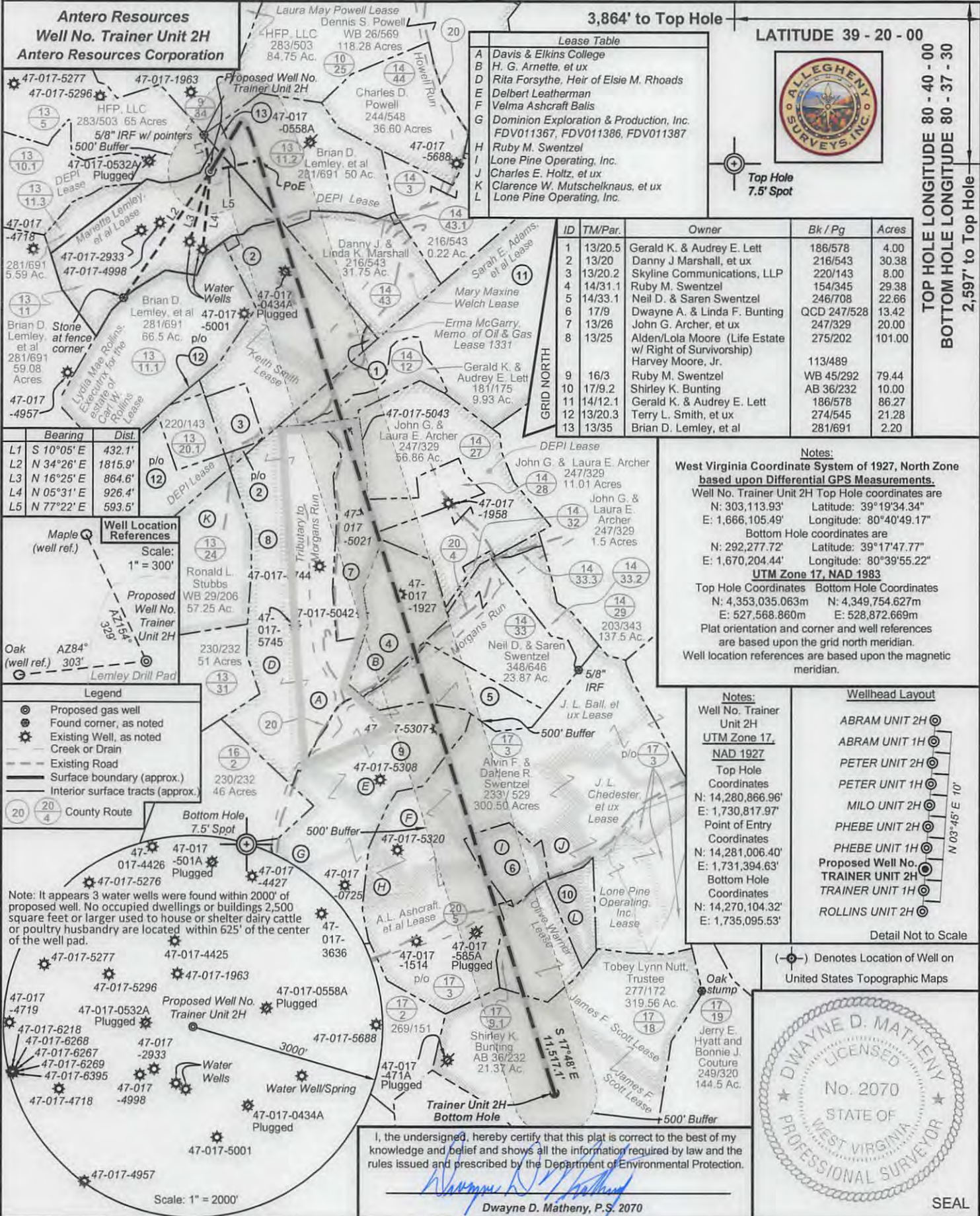
11,583' to Bottom Hole

3,864' to Top Hole

LATITUDE 39 - 20 - 00

TOP HOLE LONGITUDE 80 - 40 - 00  
BOTTOM HOLE LONGITUDE 80 - 37 - 30  
2,597' to Top Hole

13,232' to Bottom Hole



**Lease Table**

A	Davis & Elkins College
B	H. G. Arnette, et ux
D	Rita Forsythe, Heir of Elsie M. Rhoads
E	Delbert Leatherman
F	Velma Ashcraft Balis
G	Dominion Exploration & Production, Inc. FDV011367, FDV011386, FDV011387
H	Ruby M. Swentzel
I	Lone Pine Operating, Inc.
J	Charles E. Holtz, et ux
K	Clarence W. Mutschelknaus, et ux
L	Lone Pine Operating, Inc.



Top Hole 7.5' Spot

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	13/20.2	Skyline Communications, LLP	220/143	8.00
4	14/31.1	Ruby M. Swentzel	154/345	29.38
5	14/31.1	Neil D. & Saren Swentzel	246/708	22.66
6	17/9	Dwayne A. & Linda F. Bunting	QCD 247/528	13.42
7	13/26	John G. Archer, et ux	247/329	20.00
8	13/25	Alden/Lola Moore (Life Estate w/ Right of Survivorship) Harvey Moore, Jr.	275/202	101.00
9	16/3	Ruby M. Swentzel	WB 45/292	79.44
10	17/9.2	Shirley K. Bunting	AB 36/232	10.00
11	14/12.1	Gerald K. & Audrey E. Lett	186/578	86.27
12	13/20.3	Terry L. Smith, et ux	274/545	21.28
13	13/35	Brian D. Lemley, et al	281/691	2.20

**Notes:**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Trainer Unit 2H Top Hole coordinates are  
N: 303,113.93' Latitude: 39°19'34.34"  
E: 1,666,105.49' Longitude: 80°40'49.17"  
Bottom Hole coordinates are  
N: 292,277.72' Latitude: 39°17'47.77"  
E: 1,670,204.44' Longitude: 80°39'55.22"  
**UTM Zone 17, NAD 1983**  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,353,035.063m N: 4,349,754.627m  
E: 527,568.860m E: 528,872.669m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

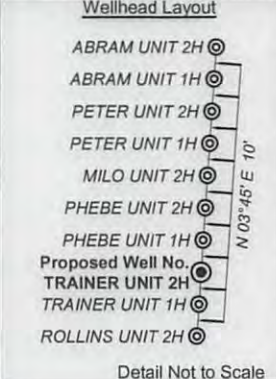
**Bearing Dist.**

L1	S 10°05' E	432.1'
L2	N 34°26' E	1815.9'
L3	N 16°25' E	864.6'
L4	N 05°31' E	926.4'
L5	N 77°22' E	593.5'

**Well Location References**  
Scale: 1" = 300'  
Maple (well ref.)  
Oak (well ref.)  
AZ84° 303'

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

**Notes:**  
Well No. Trainer Unit 2H  
UTM Zone 17, NAD 1927  
Top Hole Coordinates  
N: 14,280,866.96'  
E: 1,730,817.97'  
Point of Entry Coordinates  
N: 14,281,006.40'  
E: 1,731,394.63'  
Bottom Hole Coordinates  
N: 14,270,104.32'  
E: 1,735,095.53'



Note: It appears 3 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Scale: 1" = 2000'

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*  
Dwayne D. Matheny, P.S. 2070



FILE NO: 297-30-G-14  
DRAWING NO: 297-14 Trainer 2H Well Plat  
SCALE: 1" = 1500'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

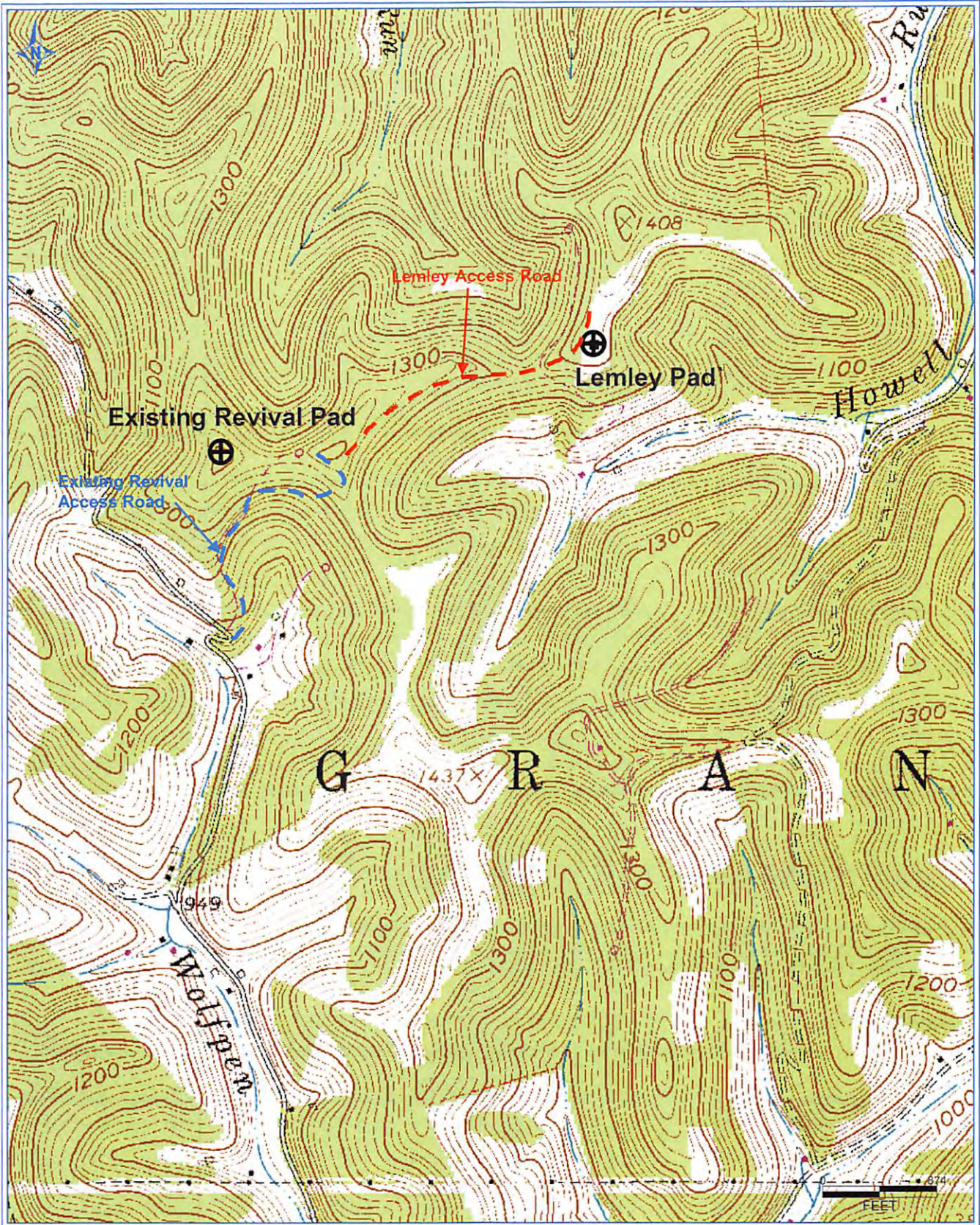
**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: August 17 2017  
OPERATOR'S WELL NO. Trainer Unit 2H  
API WELL NO  
47 - 017 - 06869  
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 A. L. Ashcraft, et al; James F. Scott; COUNTY: Doddridge 10/06/2017  
SURFACE OWNER: Phillip N. Hill, et al Velma Ashcraft Balis; Lone Pine Operating, Inc.; H. G. Arnette, et ux; J. L. Ball, et ux; Delbert Leatherman; ACREAGE: 59.08 79.06;34; 21.375;  
ROYALTY OWNER: Erma McGarry, Memorandum of Oil & Gas; Davis & Elkins College LEASE NO: 1331 ACREAGE: 66.87; 50.00; 44; 98; 127; 42; 28; 138;  
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: 7,600' TVD 19,500' MD

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 21 2017  
WV Department of  
Environmental Protection

**Antero Resources Corporation**  
Appalachian Basin  
Trainer Unit 2H  
Doddridge County

Quadrangle: Smithburg 7.5'  
Watershed: McElroy Creek  
District: Grant  
Date: 8-04-2014

047-017-06869 10/06/2017