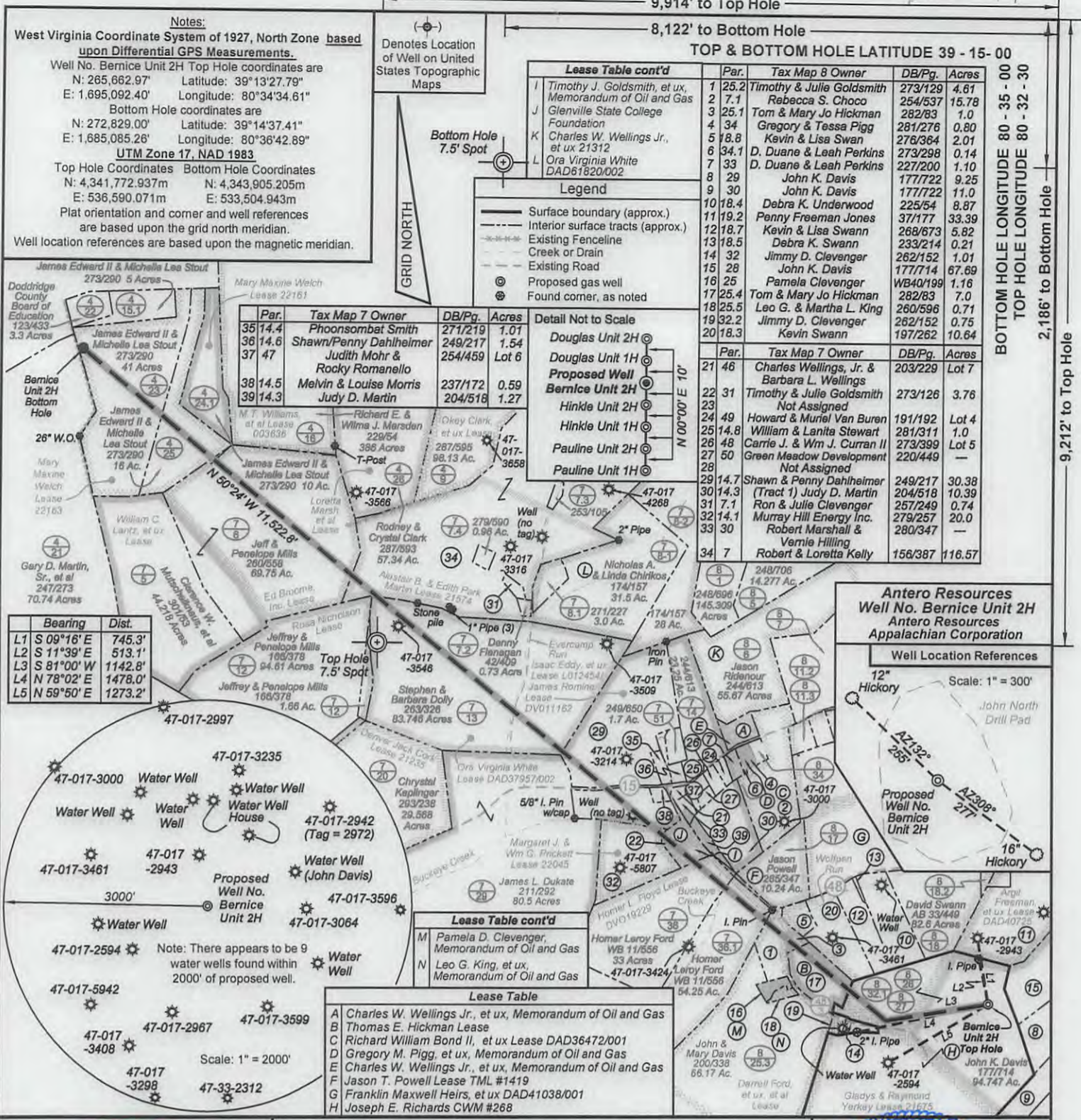


1706297



Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Bernice Unit 2H Top Hole coordinates are
 N: 265,662.97' Latitude: 39°13'27.79"
 E: 1,695,092.40' Longitude: 80°34'34.61"
 Bottom Hole coordinates are
 N: 272,829.00' Latitude: 39°14'37.41"
 E: 1,685,085.26' Longitude: 80°36'42.89"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,341,772.937m N: 4,343,905.205m
 E: 536,590.071m E: 533,504.943m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Denotes Location of Well on United States Topographic Maps

GRID NORTH

Bottom Hole 7.5' Spot

Lease Table cont'd

Par.	Tax Map 7 Owner	DB/Pg.	Acres
1	Timothy J. Goldsmith, et ux, Memorandum of Oil and Gas	271/219	1.01
2	Rebecca S. Choco	249/217	1.54
3	Glennville State College Foundation	254/459	Lot 6
4	Charles W. Wellings Jr., et ux 21312	237/172	0.59
5	Kevin & Lisa Swan	204/518	1.27
6	D. Duane & Leah Perkins		
7	Ora Virginia White DAD61820/002		
8	John K. Davis		
9	John K. Davis		
10	Debra K. Underwood		
11	Penny Freeman Jones		
12	Kevin & Lisa Swan		
13	Debra K. Swann		
14	Jimmy D. Clevenger		
15	John K. Davis		
16	Pamela Clevenger		
17	Tom & Mary Jo Hickman		
18	Leo G. & Martha L. King		
19	Jimmy D. Clevenger		
20	Kevin Swann		

Legend

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

Tax Map 8 Owner

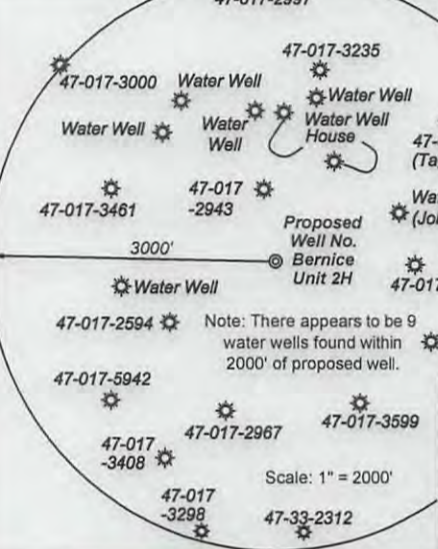
Par.	Tax Map 8 Owner	DB/Pg.	Acres
1	Timothy & Julie Goldsmith	273/129	4.61
2	Rebecca S. Choco	254/537	15.78
3	Tom & Mary Jo Hickman	282/83	1.0
4	Gregory & Tessa Pigg	281/276	0.80
5	Kevin & Lisa Swan	276/364	2.01
6	D. Duane & Leah Perkins	273/298	0.14
7	D. Duane & Leah Perkins	227/200	1.10
8	John K. Davis	177/722	9.25
9	John K. Davis	177/722	11.0
10	Debra K. Underwood	225/54	8.87
11	Penny Freeman Jones	371/177	33.39
12	Kevin & Lisa Swan	268/673	5.82
13	Debra K. Swann	233/214	0.21
14	Jimmy D. Clevenger	262/152	1.01
15	John K. Davis	177/714	67.69
16	Pamela Clevenger	WB40/199	1.16
17	Tom & Mary Jo Hickman	282/83	7.0
18	Leo G. & Martha L. King	260/596	0.71
19	Jimmy D. Clevenger	262/152	0.75
20	Kevin Swann	187/262	10.64

Tax Map 7 Owner

Par.	Tax Map 7 Owner	DB/Pg.	Acres
21	Charles Wellings, Jr. & Barbara L. Wellings	203/229	Lot 7
22	Timothy & Julie Goldsmith	273/126	3.76
23	Not Assigned		
24	Howard & Muriel Van Buren	191/192	Lot 4
25	William & Lanita Stewart	281/311	1.0
26	Carrie J. & Wm J. Curran II	273/399	Lot 5
27	Green Meadow Development	220/449	
28	Not Assigned		
29	Shawn & Penny Dahlheimer (Tract 1) Judy D. Martin	249/217	30.38
30	Ron & Julie Clevenger	204/518	10.39
31	Murray Hill Energy Inc.	257/249	0.74
32	Robert Marshall & Vermie Hilling	279/257	20.0
33	Robert Marshall & Vermie Hilling	280/347	
34	Robert & Loretta Kelly	156/387	116.57

Bearing Dist.

L1	S 09°16' E	745.3'
L2	S 11°39' E	513.1'
L3	S 81°00' W	1142.8'
L4	N 78°02' E	1478.0'
L5	N 59°50' E	1273.2'



Lease Table

A	Charles W. Wellings Jr., et ux, Memorandum of Oil and Gas
B	Thomas E. Hickman Lease
C	Richard William Bond II, et ux Lease DAD36472/001
D	Gregory M. Pigg, et ux, Memorandum of Oil and Gas
E	Charles W. Wellings Jr., et ux, Memorandum of Oil and Gas
F	Jason T. Powell Lease TML #1419
G	Franklin Maxwell Heirs, et ux DAD41038/001
H	Joseph E. Richards CWM #268



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: 234-30-G-12
 DRAWING NO: 234-12 Bernice 2H Well Plat
 SCALE: 1" = 1500'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

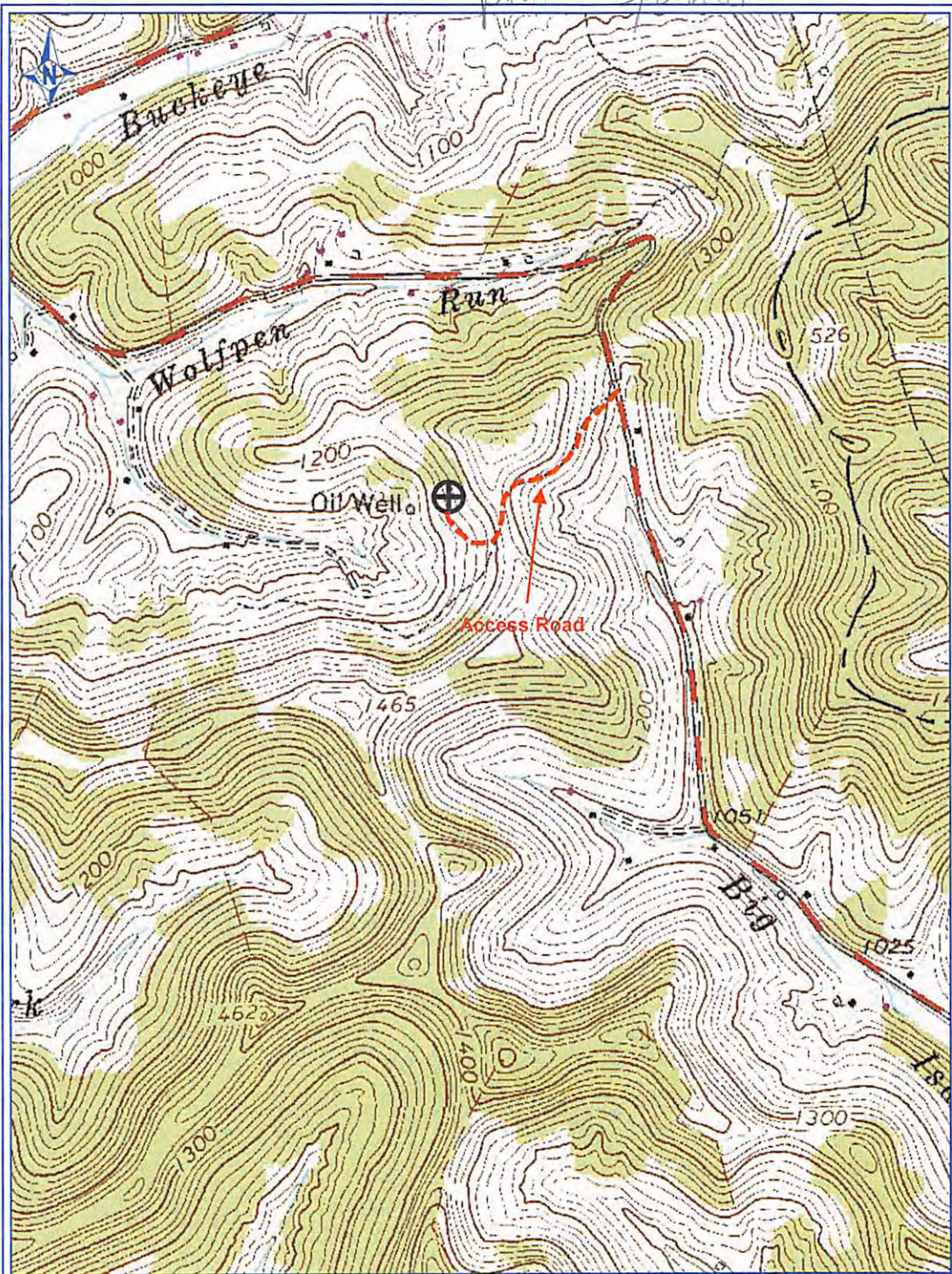
DATE: May 28 2013
 OPERATOR'S WELL NO. Bernice Unit 2H
 API WELL NO. 47-017-2594
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1246' WATERSHED: Wolfpen Run of Buckeye Creek QUADRANGLE: Big Isaac 57
 DISTRICT: Greenbrier Isaac Eddy, et ux; James Romine; Mary Maxine Welch DAD37957/002 COUNTY: Doddridge 57.989
 SURFACE OWNER: John K. Davis Glennville State College Foundation; Homer L. Floyd DVO19229; 22163 12.18; 221
 ROYALTY OWNER: Joseph E. Richards; Franklin Maxwell Heirs, et ux; Darrell Ford, et ux, et al L012454; DVO11162 ACREAGE: 94.747 2.0898; 85
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION 1.6702; 67
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LEASE NO: CWM #268; 22045 ACREAGE: 125; 95; 70; 70; 92
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,500' TVD 20,000' 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

08/02/2013

plat spotted

1706297



PETRA 4/17/2013 9:34:30 AM

Received
Office of Oil & Gas
JUN 2013

Antero Resources Corp

APPALACHIAN BASIN

Bernice Unit 2H

Doddridge County

REMARKS
 QUADRANGLE: BIG ISAAC
 WATERSHED: WOLFPEN RUN
 OF BUCKEYE CREEK
 DISTRICT: GREENBRIER

By: ECM

