Antero Resources
Well No. Hurst-Zirk Unit 1H
Antero Resources
Appalachian Corporation

	Bearing	Dist.
L1	S 69°49' E	737.1'
L2	S 28°06' E	987.5'
L3	S 59°24' W	513.6'
L4	N 77°24' E	805.5'
L5	N 16°53' W	797.7'

12,679' to Top Hole

2,410' to Bottom Hole

TOP HOLE LATITUDE 39 - 20 - 00
BTM HOLE LATITUDE 39 - 22 - 30

BTM HOLE LONGITUDE 80 - 25 - 00
TOP HOLE LONGITUDE 80 - 22 - 30

5,647' to Top Hole

14,059' to Bottom Hole

GRID NORTH

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Hurst-Zirk Unit 1H Top Hole coordinates are
N: 299,074.72' Latitude: 39°19'02.93"
E: 1,739,820.47' Longitude: 80°25'10.62"
Bottom Hole coordinates are
N: 305,956.09' Latitude: 39°20'10.81"
E: 1,738,459.02' Longitude: 80°25'28.84"
UTM Zone 17, NAD 1983
Top Hole Coordinates: N: 4,352,179.217m E: 550,047.300m
Bottom Hole Coordinates: N: 4,354,268.777m E: 549,597.616m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Well Location References

Scale: 1" = 200'

Well No. Hurst-Zirk Unit 1H
AZ240° 130'
AZ174° 148'
5/8" Rebar set (in Fence)

(-⊕-) Denotes location of well on United States topographic maps

Top Hole 7.5' Spot

Tax Map 265 Parcels

	Par	Owner	Bk/Pg	Acres
1	61	John & Catherine Jones	1321/929	39.75
2	88	James & Iris Wickenhofer	1135/396	54.0
3	54.3	Todd & Donna Smith	1232/823	2.24
4	52.1	A. J. Hustead, et al	160/180	4.02
5	32	Paul Hammond	265/32	4.34
6	25	Destin E. McGinnis, et ux	1150/864	1.07
	25.1	Destin E. McGinnis, et ux	1150/864	5.00
7	22	Howard Swiger , et al	1383/1093	1.08

Proposed Hurst-Zirk Unit 1H — 10.0' — N 68°22' W 10.0' — Zirk Unit 1H — 10.0' — Hurst Unit 2H — Hurst Unit 1H
Detail Not to Scale

Scale: 1" - 2000'
Note: 7 water wells were found within 2000' of proposed well.
3000'
Proposed Well No. Hurst-Zirk Unit 1H
Old Gas Well (no No.)
Gas Well (no #)
47-33-2632, 47-33-1070, 47-33-3657, 47-33-2217, 47-33-2125, 47-33-939, 47-33-1212, 47-33-4483, 47-33-1272, 47-33-1506, 47-33-2324, 47-33-1061, 47-33-1045, 47-33-2857, 47-33-1484
Scale: 1" = 2000'

47-033-4316
47-033-1224
Wm S. & Janie Denoon 1281/1195 51.46 Ac.
Hurst-Zirk Unit 1H Bottom Hole
#47-033-1067
Wm S. & Janie Denoon 1281/1195 79.79 Acres
Thomas H. & Rebecca D. Downs 1301/1143 31.89 Ac.
Adam S. McPherson, et ux 1377/1119 22.32 Ac.
Francis/Strother, et al Lease 002257
931/100 et al Lease 002256
Blk Oak Stump
Reckless Inestments, LLC 1434/344 60.80 Ac.
Reckless Investments, LLC 1434/344 62 Acres
Rossco, LLC 1393/409 13 Acres
Gas Well (no #)
Rebar w/ yellow plastic cap LS 798
N 17°46' W 704.1'
Burman B. Zirkle, et al Lease DV016603
John Hurst, et ux
The Pittson Co. Lease
Rossco LLC Lease ARAC 14-265-21
Lexie Smith Lease DV016356
Destin E. & Rebecca S. McGinnis Leases
ARAC 14-265-23
ARAC 14-265-24
McGinnis Lease
Howard Swiger & Sandra Toothman Lease ARAC 14-265-22
Consolidation Coal Company 974/718 52.83 Acres
Water Well (R. Jones)
Bottom Hole 7.5' Spot
DTI Lease 079964
John R. Jones, et ux 1321/929 46.25 Acres
Howard J. & Christl R. Taylor 1369/207 10.02 Acres
Trio Petroleum Corp., Weco Oil & Gas Co. Inc., Michael Ross Lease, Alice E. Davis Lease
Taylor Ward Lease 045303
Proposed Well No. Hurst-Zirk Unit 1H Top Hole
1/2" IPF
1" IPF
Water Wells (D. Ash) (L. Hinerman)
Gas Well (no #)
47-33-1061
Water Wells
Water Wells (C. Utt)
Tetrick Lease
8.78 Ac. 1369/207

DWAYNE D. MATHENY LICENSED No. 2070 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR SEAL

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

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, P.S. 2070

Allegheny Surveys, Inc. Established 1988

FILE NO: 36-C-11
DRAWING: 261-11 Hurst-Zirk 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: June 13 20 12
OPERATOR'S WELL NO. Hurst-Zirk Unit 1H

API WELL NO
47 - 033 - 05665
STATE COUNTY PERMIT

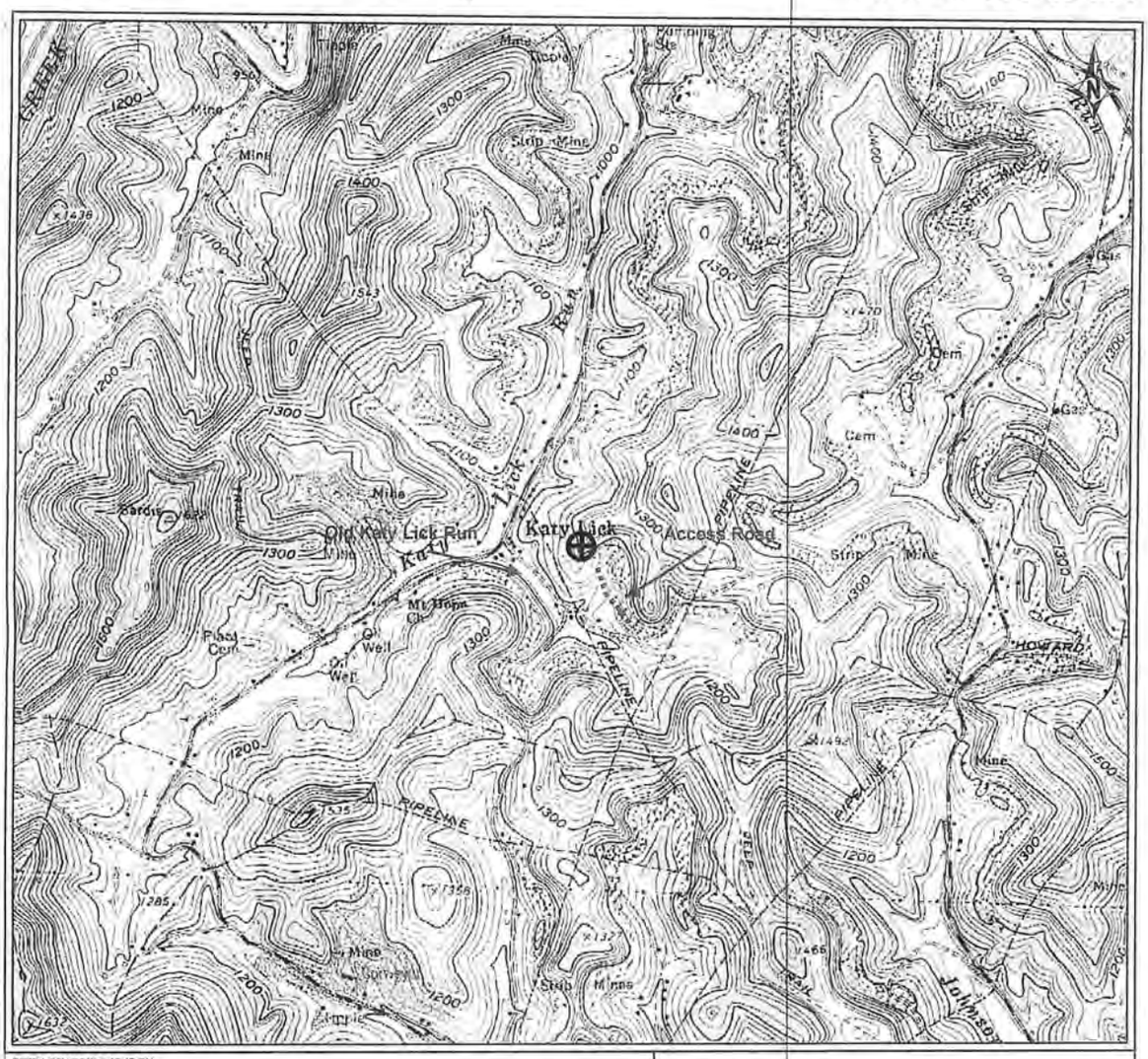
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: 1176' WATERSHED: Katy Lick Run QUADRANGLE: Wolf Summit
DISTRICT: Sardis COUNTY: Harrison
SURFACE OWNER: John R. & Catherine W. Jones ACREAGE: 39.75
OIL & GAS ROYALTY OWNER: John Hurst, et ux & DTI; The Pittson Co.; John Hurst, et ux; Burman B. Zirkle, et al DV016603; Taylor Ward, et al; Francis Strother, et al 14-265-22; 002257; Howard Swiger & Sandra Toothman 002272 & 079964 LEASE #: p/o 045303; 002256 ACREAGE: 175; 1.08; 124; 13; 183; 124; 79.79
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: 7,500' TVD 17,500' 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

08/17/2012

4703305665

~~Permit Modification~~
API# 47-033-05324



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Antero Resources Corporation

APPALACHIAN BASIN

Hurst-Zirk Unit 1H (fka Hurst Unit 1)

Harrison County

REMARKS

QUADRANGLE: WOLF SUMMIT
WATERSHED: KATY LICK RUN
DISTRICT: SARDIS

0 2,000 4,000
FEET

February 24, 2012

08/17/2012