

LATITUDE 39°17'30"

6,911' TO TOP HOLE

10,355' TO BOTTOM HOLE

LATITUDE 39°20'00"

LONGITUDE 80°40'00"

5,648' TO TOP HOLE

13,947' TO BOTTOM HOLE

COUNTY NAME PERMIT

Antero Resources Appalachian Corporation Well No. Neely Unit 1H

WELL NO. 1H BOTTOM HOLE

STEPHEN FORD D.B. 245 PG. 196 T.J. 13 PAR. 15 49.45 AC.±

CLEVELAND LEASE

36° HICKORY

SEAN WARMER ET AL D.B. 233 PG. 49 T.J. 13 PAR. 17 85 AC.±

DAVID BOWER D.B. 220 PG. 86 T.J. 16 PAR. 14 260.21 AC.±

M. M. NEELY LEASE

1-H TOP HOLE

DEBERT LEATHERMAN ET AL D.B. 214 PG. 444 T.J. 16 PAR. 13 209.48 AC.±

LEATHERMAN ET AL LEASE

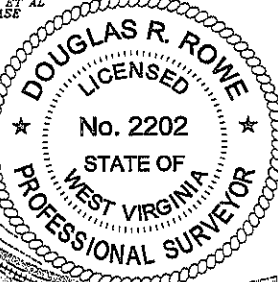
ALFRED NEELY HEIRS LEASE (SEE NOTE 2.) STONE

M. N. OFFUTT LEASE

JAMES BLAND ET AL D.B. 240 PG. 095 T.J. 16 PAR. 25.2 80 AC.±

HYATT ET AL LEASE

HANK HUGHMAN ET AL D.B. 244 PG. 187 T.J. 13 PAR. 04 35.79 AC.±



DENNIS POWELL ET AL D.B. 200 PG. 532 T.J. 19 PAR. 31.2 9 AC.±

DENNIS POWELL ET AL D.B. 200 PG. 532 T.J. 19 PAR. 31 237 AC.±

GEORGE GORE D.B. 219 PG. 49 T.J. 19 PAR. 30 40.9 AC.±

DENNIS POWELL ET AL D.B. 200 PG. 532 T.J. 19 PAR. 32 172.38 AC.±

N:284690 E:1661588

WELL NO. 1H

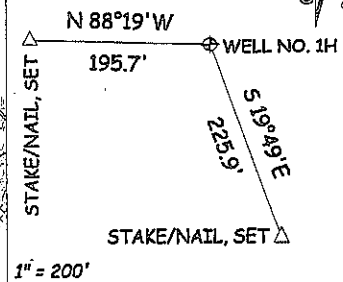
LANDING POINT

S 79°04' W 1257.1'

S 59°04' E 1661.2'

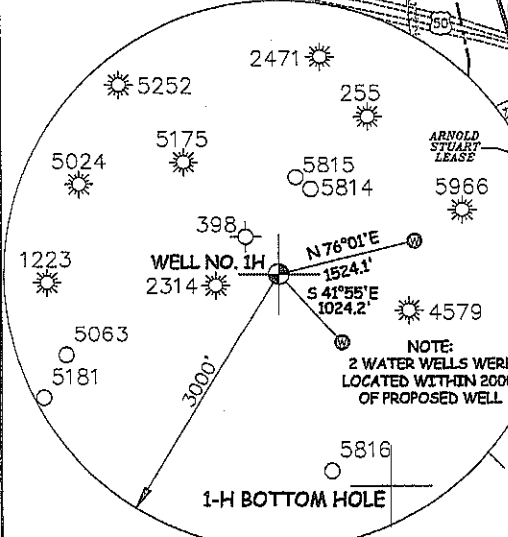
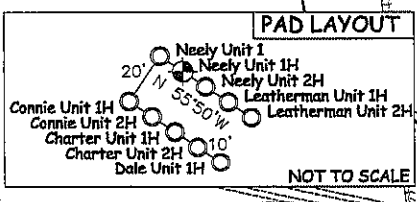
NOTES:
1. THIS WELL BORE IS SUBJECT TO THAT 60 FOOT STRIP OF GROUND KNOWN AS THE NORTHWESTERN TURNPIKE.
2. LEASE INFORMATION FOR THE ALFRED NEELY HEIRS LEASE WAS TAKEN FROM A "TITLE MEMORANDUM" AS PREPARED BY WILLIAM C. WAKEFIELD, II, DATED THE 10TH DAY OF FEBRUARY, 2012.

REFERENCES



NOTES:
WELL 1-H TOP HOLE INFORMATION:
N: 284,929ft E: 1,662,822ft
LAT: 39°16'34.18" LON: 80°41'27.88"
BOTTOM HOLE INFORMATION:
N: 291,850ft E: 1,659,467ft
LAT: 39°17'42.1" LON: 80°42'11.7"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1-H TOP HOLE INFORMATION:
N: 4,347,478m E: 526,661m
BOTTOM HOLE INFORMATION:
N: 4,349,570m E: 525,604m

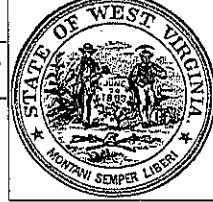


LEGEND

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Found monument, as noted

JOB # 12-002
DRAWING # NEELYUNIT1HP
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

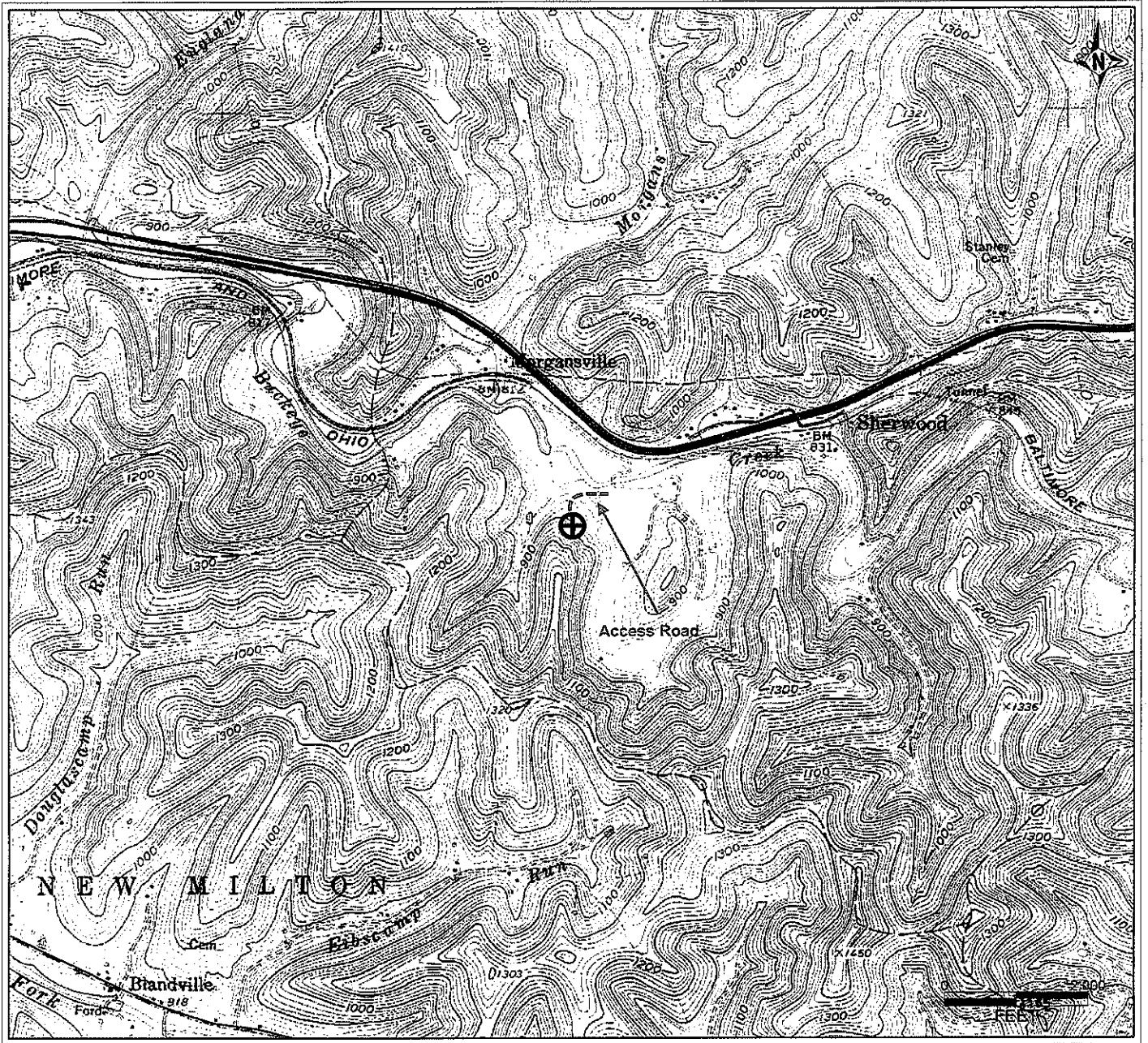
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

DOUGLAS R. ROWE P.S. 2202
DATE 5/18/12
OPERATOR'S WELL# NEELY UNIT 1H
API WELL # 47 - 017 - 6086 H6A
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 881' WATERSHED BUCKEYE CREEK DISTRICT GRANT COUNTY DODDRIDGE
QUADRANGLE SMITHBURG 7.5'
SURFACE OWNER DENNIS H. AND MELLIE POWELL ACREAGE 260 ACRES +/-
OIL & GAS ROYALTY OWNER DENNIS POWELL ET AL; M. N. OFFUTT ET AL; WEST VIRGINIA LEASE ACREAGE 260.8 AC; 204 AC; 301.19 AC;
STATE RAIL AUTHORITY; ARNOLD STUART; ALFRED NEELY HEIRS; M. M. NEELY ET AL; DORIS L. CLEVELAND 9.3AC; 300 AC; 259 AC; 50 AC
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
PLUG & ABANDON ___ CLEAN OUT & REPLUG ___ ESTIMATED DEPTH 7,200' TVD 15,900' MD
TARGET FORMATION MARCELLUS
WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313



RECEIVED
 Office of Oil & Gas
 MAR 05 2012

WV Department of
 Environmental Protection

Antero Resources Corporation
APPALACHIAN BASIN
Neely Unit 1H Doddridge County
REMARKS QUADRANGLE: SMITHBURG WATERSHED: BUCKEYE CREEK DISTRICT: GRANT
Date: 01/23/12