

LATITUDE 39°20'00"

7,438'

3,839' TO BOTTOM HOLE
LATITUDE 39°17'30"

3,594' TO BOTTOM HOLE
LONGITUDE 80°40'00"

12,783'
LONGITUDE 80°40'00"

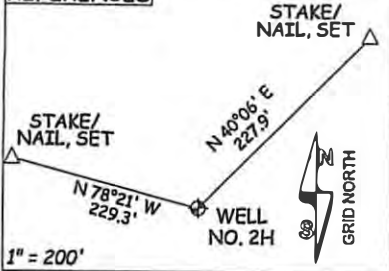
Antero Resources
Appalachian Corporation
Well No. Holden Unit 2H

NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 292,976ft E: 1,662,399ft
LAT: 39°17'53.65" LON: 80°41'34.62"
BOTTOM HOLE INFORMATION:
N: 286,942ft E: 1,665,920ft
LAT: 39°16'54.48" LON: 80°40'48.82"
WEST VIRGINIA COORDINATE
SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM
MEASUREMENTS TAKEN WITH
TRIMBLE GEOXT SUBMETER

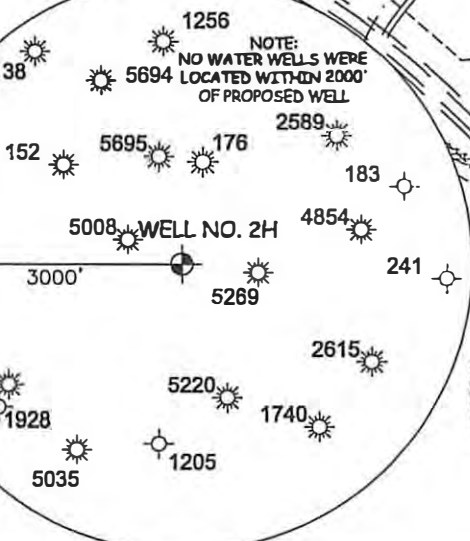
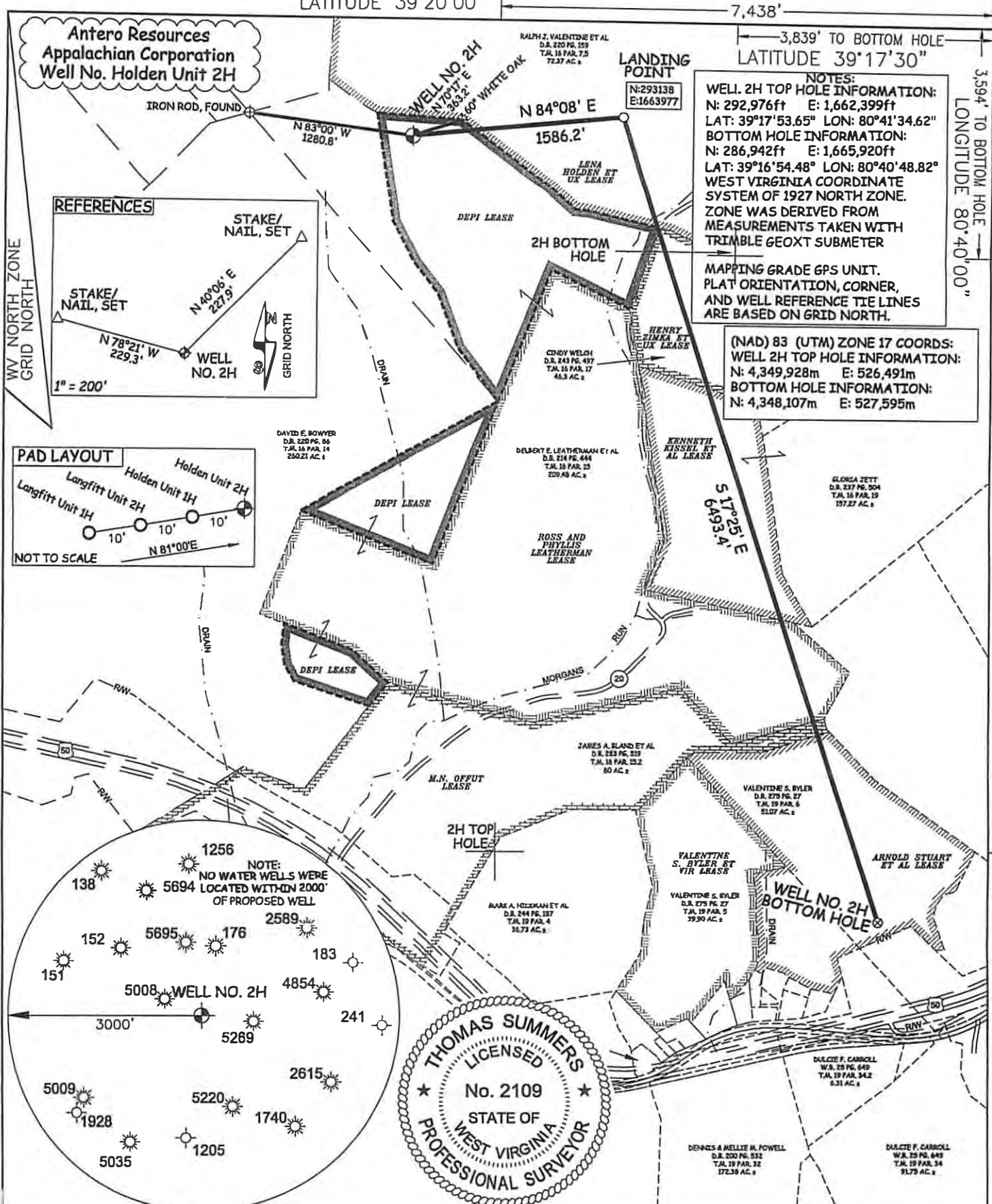
MAPPING GRADE GPS UNIT.
PLAT ORIENTATION, CORNER,
AND WELL REFERENCE TIE LINES
ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 4,349,928m E: 526,491m
BOTTOM HOLE INFORMATION:
N: 4,348,107m E: 527,595m

REFERENCES



PAD LAYOUT



JOB # 12-084WA
DRAWING # HOLDENUNIT2H
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
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 1,180' WATERSHED MORGANS RUN
QUADRANGLE SMITHBURG 7.5

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

WILLOWLAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO
WEST VIRGINIA 26415

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

THOMAS SUMMERS P.S. 2109

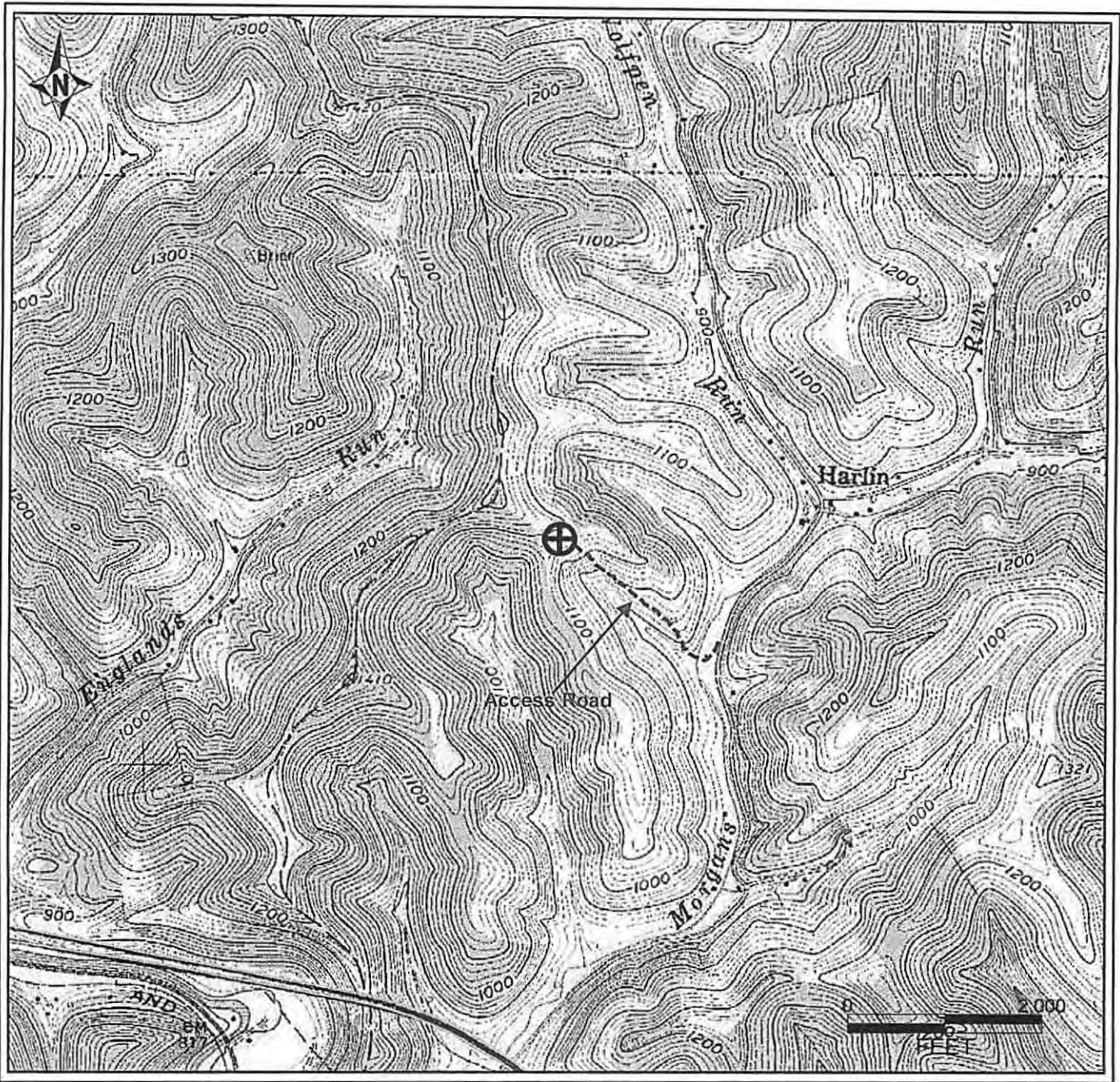
DATE 01/28/13
OPERATOR'S WELL # HOLDEN UNIT #2H
API WELL # 47 - 017 - 6203 H6A
STATE COUNTY PERMIT

SURFACE OWNER DELBERT E. LEATHERMAN ET AL ACREAGE 209.48 ACRES +/-
OIL & GAS ROYALTY OWNER DEPI; LENA HOLDEN ET UX; HENRY ZIMBKA ET UX; ROSS AND PHYLLIS LEATHERMAN; KENNETH KISSEL ET AL; M.N. OFFUT; ARNOLD STUART ET AL LEASE ACREAGE 71 ACRES±; 82.5 ACRES±; 46.3 ACRES±; 150 ACRES±; 37.125 ACRES±; 204 ACRES±; 51 ACRES±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,200' TVD 16,200' MD

WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

04/12/2013



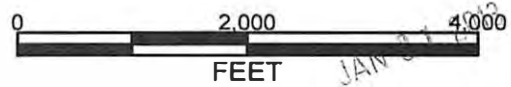
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Antero Resources Corporation

APPALACHIAN BASIN

Holden Unit 2H

Doddridge County



REMARKS

QUADRANGLE: SMITHBURG
 WATERSHED: BUCKEYE CREEK
 DISTRICT: GRANT

Date: 11/30/12

17-06203 H6A HOLDEN UNIT 2H
 ANTERO RESOURCES

PAD NAME: DELBERT LEATHERMAN