

LATITUDE 39°22'30"

6,961'

9,091' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°42'30"

9,904' TO BOTTOM HOLE

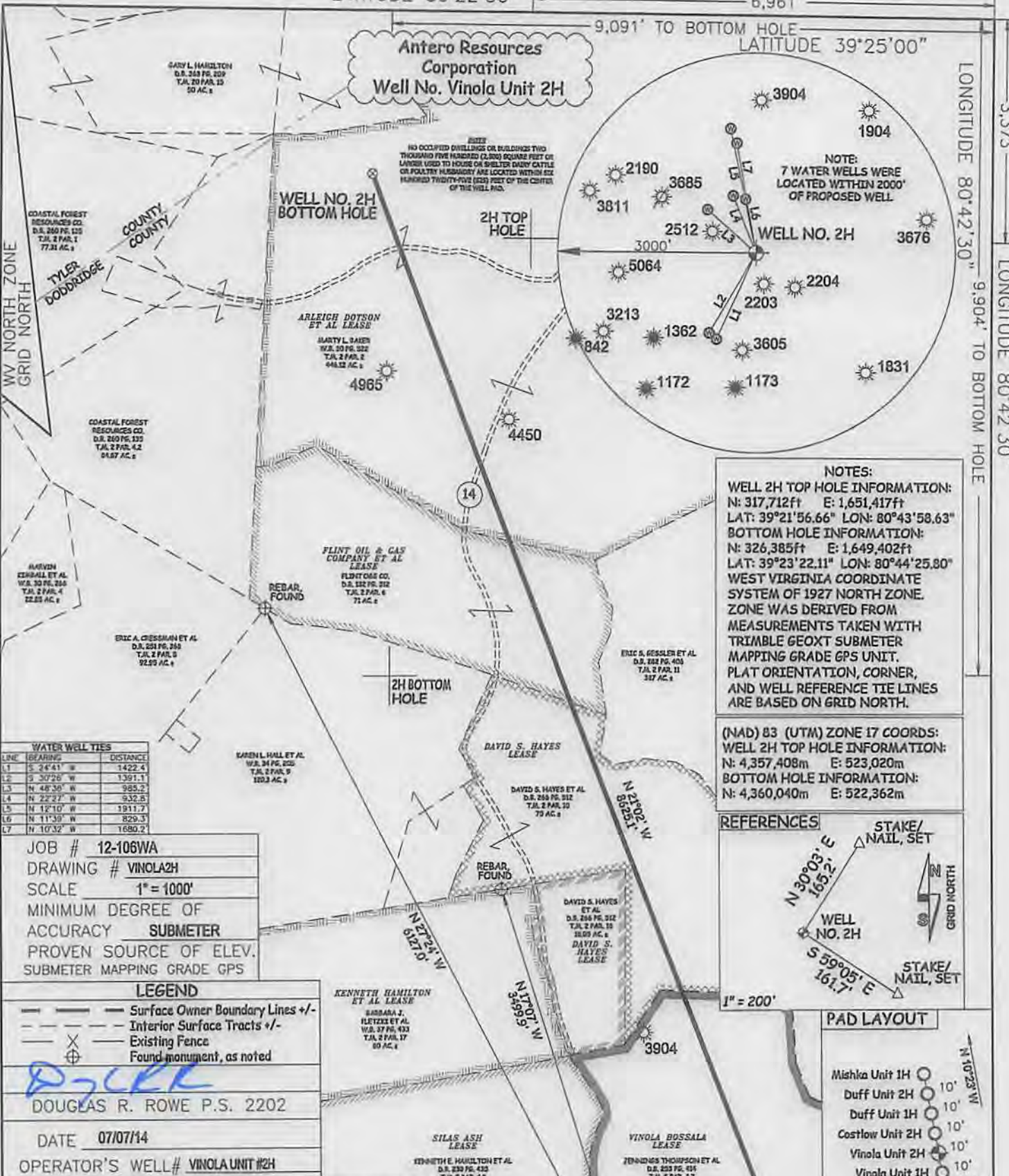
3,373'

LONGITUDE 80°42'30"

Antero Resources Corporation Well No. Vinola Unit 2H

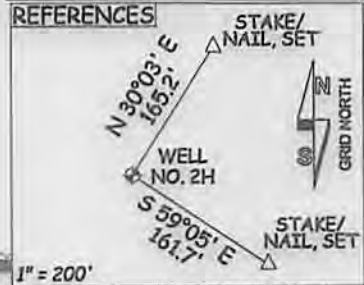
NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HERDABLY ARE LOCATED WITHIN ONE HUNDRED TWENTY-FIVE (125) FEET OF THE CENTER OF THE WELL NO.

NOTE: 7 WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL



NOTES:
WELL 2H TOP HOLE INFORMATION:
 N: 317,712ft E: 1,651,417ft
 LAT: 39°21'56.66" LON: 80°43'58.63"
BOTTOM HOLE INFORMATION:
 N: 326,385ft E: 1,649,402ft
 LAT: 39°23'22.11" LON: 80°44'25.80"
 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: 4,357,408m E: 523,020m
BOTTOM HOLE INFORMATION:
 N: 4,360,040m E: 522,362m



WATER WELL TIES

LINE	BEARING	DISTANCE
L1	S 24°41' W	1422.4
L2	S 30°26' W	1391.1
L3	N 48°30' W	985.2
L4	N 22°27' W	932.8
L5	N 12°10' W	1911.7
L6	N 11°39' W	829.3
L7	N 10°32' W	1680.2

JOB # 12-106WA
 DRAWING # VINOLA2H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

DOUGLAS R. ROWE P.S. 2202
 DATE 07/07/14
 OPERATOR'S WELL# VINOLA UNIT #2H

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

API WELL # 47 - 017

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

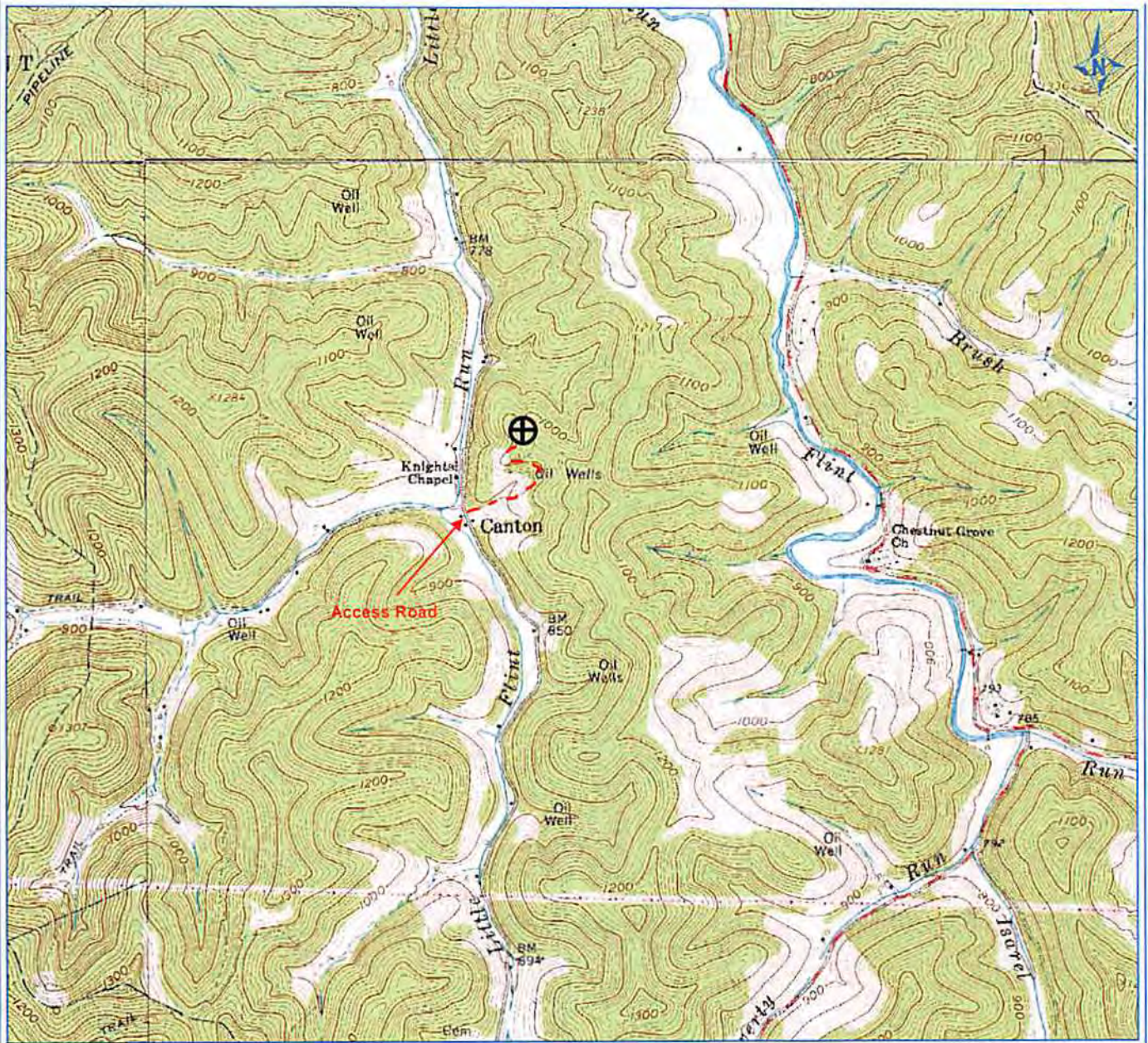
LOCATION: ELEVATION 998' WATERSHED LITTLE FLINT RUN
 QUADRANGLE SMITHBURG (TH) CENTERPOINT (TH) DISTRICT GRANT COUNTY DODDRIDGE
 SURFACE OWNER ROBERT J. SMITH ACREAGE 100 ACRES +/-

OIL & GAS ROYALTY OWNER VINOLA BOSSALA; DAVID S. HAYES; FLINT OIL & GAS COMPANY ET AL; ARLEIGH DOTSON ET AL
 LEASE ACREAGE 120 ACRES±; 75 ACRES±; 446.5 ACRES±; 167.29 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 7,000' TVD 17,100' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313





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Antero Resources Corporation

Appalachian Basin

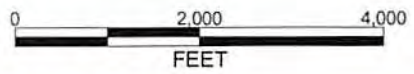
Vinola Unit 2H

Doddridge County

Received

AUG 1 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



REMARKS
 QUADRANGLE: SMITHBURG
 WATERSHED: LITTLE FLINT RUN
 DISTRICT: GRANT