

LATITUDE 39°22'30"

6,968'

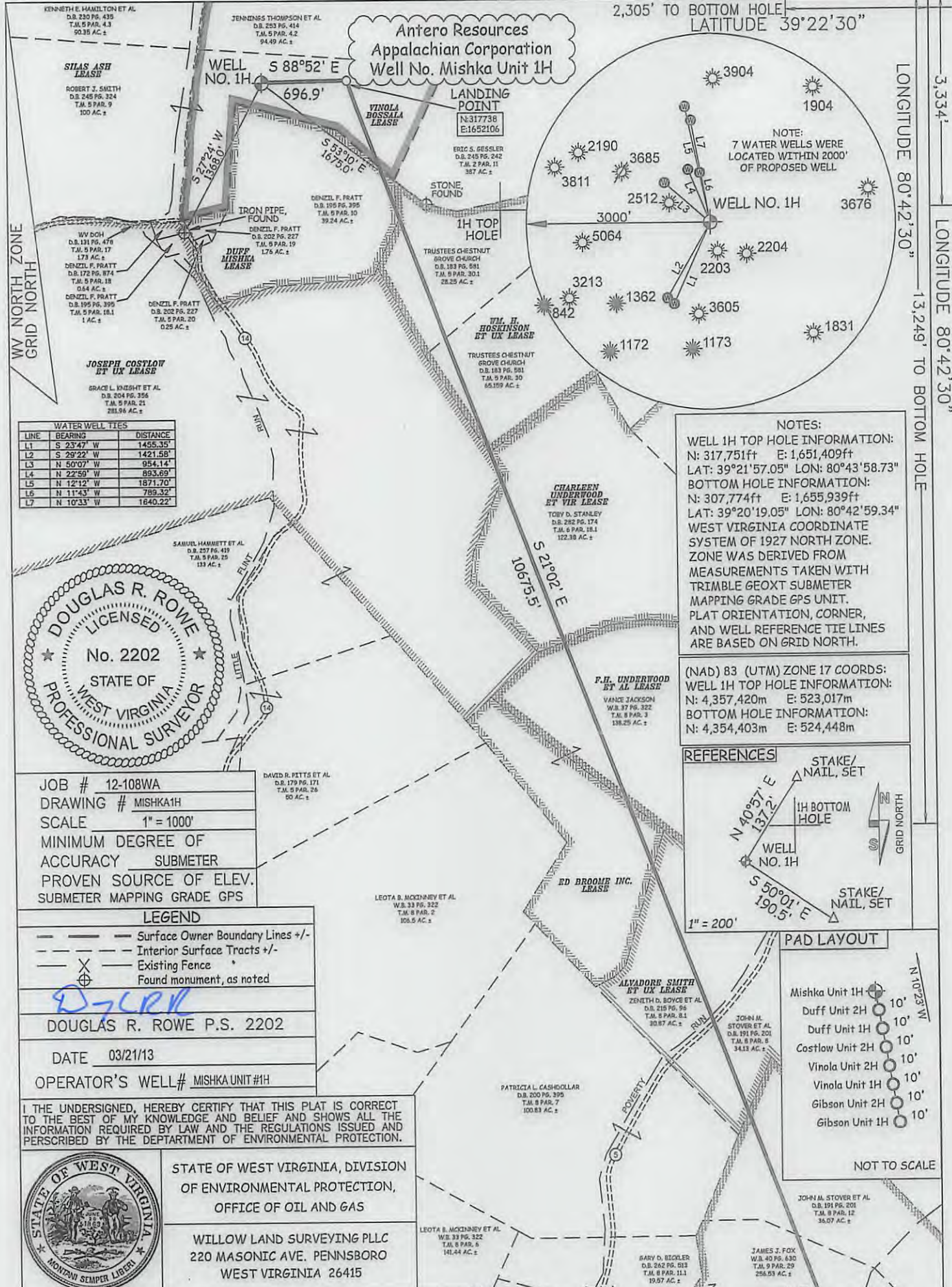
2,305' TO BOTTOM HOLE
LATITUDE 39°22'30"

3,334'

LONGITUDE 80°42'30"

LONGITUDE 80°42'30"

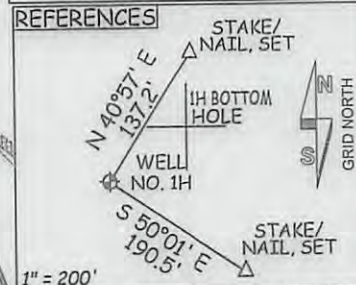
13,249' TO BOTTOM HOLE



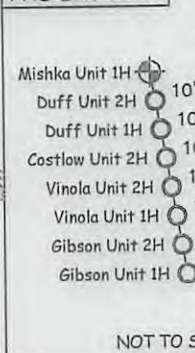
LINE	BEARING	DISTANCE
L1	S 23°47' W	1455.35'
L2	S 29°22' W	1421.58'
L3	N 50°07' W	954.14'
L4	N 22°59' W	893.69'
L5	N 12°12' W	1871.70'
L6	N 11°43' W	789.32'
L7	N 10°33' W	1840.22'

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 317,751ft E: 1,651,409ft
LAT: 39°21'57.05" LON: 80°43'58.73"
BOTTOM HOLE INFORMATION:
N: 307,774ft E: 1,655,939ft
LAT: 39°20'19.05" LON: 80°42'59.34"
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 1H TOP HOLE INFORMATION:
N: 4,357,420m E: 523,017m
BOTTOM HOLE INFORMATION:
N: 4,354,403m E: 524,448m



PAD LAYOUT



JOB # 12-108WA
DRAWING # MISHKA1H
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 03/21/13
OPERATOR'S WELL# MISHKA UNIT #1H

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
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

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

API WELL # 47 - 017 - 6259
STATE COUNTY PERMIT H6A - 6259

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

LOCATION: ELEVATION 996' WATERSHED LITTLE FLINT RUN
QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODDRIDGE

SURFACE OWNER ROBERT J. SMITH ACREAGE 100 ACRES +/-

OIL & GAS ROYALTY OWNER VINOLA BOSSALA; DUFF MISHKA; WM. H. HOSKINSON ET UX; CHARLEEN UNDERWOOD ET VIR; JOSEPH COSTLOW ET UX; F.H. UNDERWOOD ET AL; ED BROOME INC.; ALVADORE SMITH ET UX; DEPI

LEASE ACREAGE 120 ACRES±; 41 ACRES±; 228.50 ACRES±; 145.3 ACRES±; 350 ACRES±; 102 ACRES±; 36.25 ACRES±; 65 ACRES±; 65.10 ACRES±

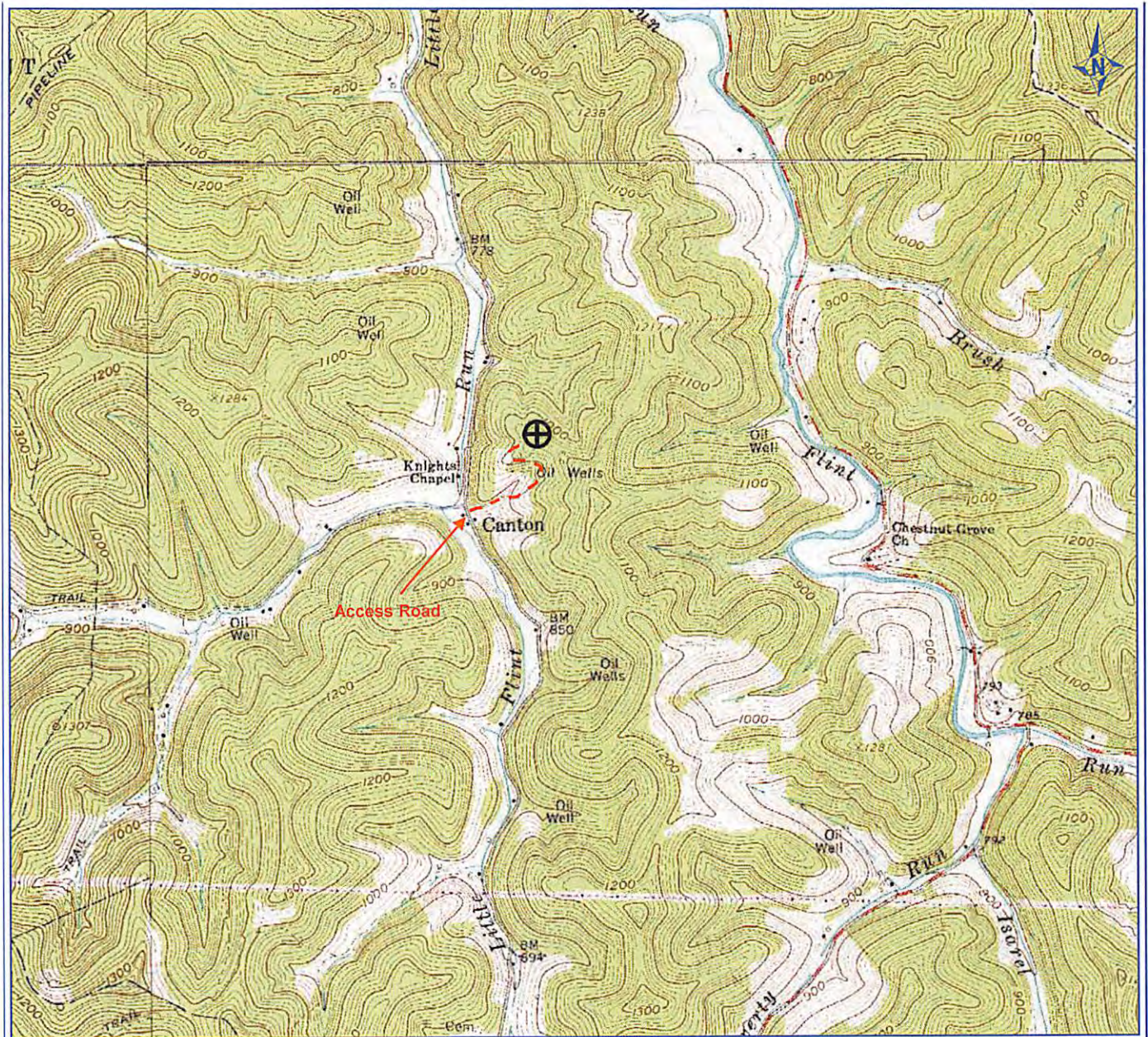
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,200' TVD 19,000' 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

07/05/2013

17-06259 ✓ 079



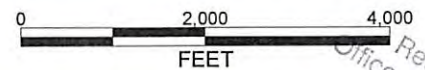
PETRA 2/6/2013 3:22:34 PM

Antero Resources Corporation

Appalachian Basin

Mishka Unit 1H

Doddridge County



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

Received
 Office of Oil & Gas
 APR - 5 2013

February 6, 2013