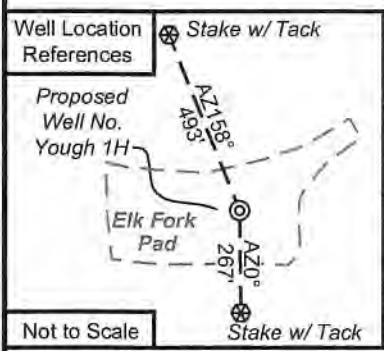
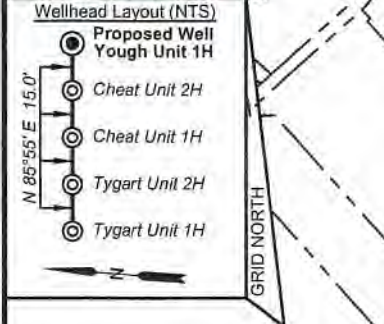
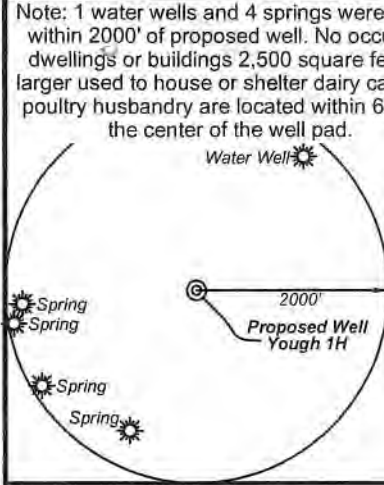


Antero Resources
Well No. Yough 1H



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



Leases

A	Patricia Ann Heintzman
B	Nina & Phillip Whitefield
C	Nina A. Whitefield
D	Norma Smith
E	BRC Appalachian Minerals I, LLC
F	Larry R. & Kim M. Henthorn
G	BRC Appalachian Minerals I, LLC

TOP HOLE LATITUDE 39 - 32 - 30
BTM HOLE LATITUDE 39 - 35 - 00

Notes
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Well No. Yough Unit 1H Top Hole coordinates are N: 382,183.64' Latitude: 39°32'28.40" E: 1,613,495.98' Longitude: 80°52'13.94" Bottom Hole coordinates are N: 383,298.38' Latitude: 39°32'39.60" E: 1,614,704.66' Longitude: 80°51'58.73" UTM Zone 17, NAD 1983 Top Hole Coordinates Bottom Hole Coordinates N: 4,376,856.160m N: 4,377,201.931m E: 511,139.296m E: 511,501.868m Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

Notes:
Well No. Yough Unit 1H UTM Zone 17, NAD 1927 Top Hole Coordinates N: 14,359,021.13' E: 1,676,914.94' Point of Entry Coordinates N: 14,359,735.10' E: 1,678,247.78' Bottom Hole Coordinates N: 14,360,155.50' E: 1,678,104.44'

Bearing	Dist.
L1 S 63°55' E	1,440.4'
L2 N 05°49' E	1,297.7'
L3 N 62°03' E	556.9'
L4 N 88°29' E	714.7'
L5 N 62°47' E	1,512.5'



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 rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller

Bradley D. Miller, P.S. 2167

ID	TM/Par	Owner	DB/PG	Acres
1	10-2	Patricia Ann Heintzman	W13 / 384	73.26
2	10-3	Kevin S. & Melinda S. Goff	597 / 808	53.75
3	10-1	Patricia Ann Heintzman	150 / 15	48.50
4	6-36	Dennis & Clista Heintzman	297 / 640	417.60

FILE NO: 83-54-E-19
DRAWING NO: Yough 1H Well Plat
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 5 2020
OPERATOR'S WELL NO. Yough 1H
API WELL NO **464**
47 - 095 - **02723**
STATE COUNTY PERMIT

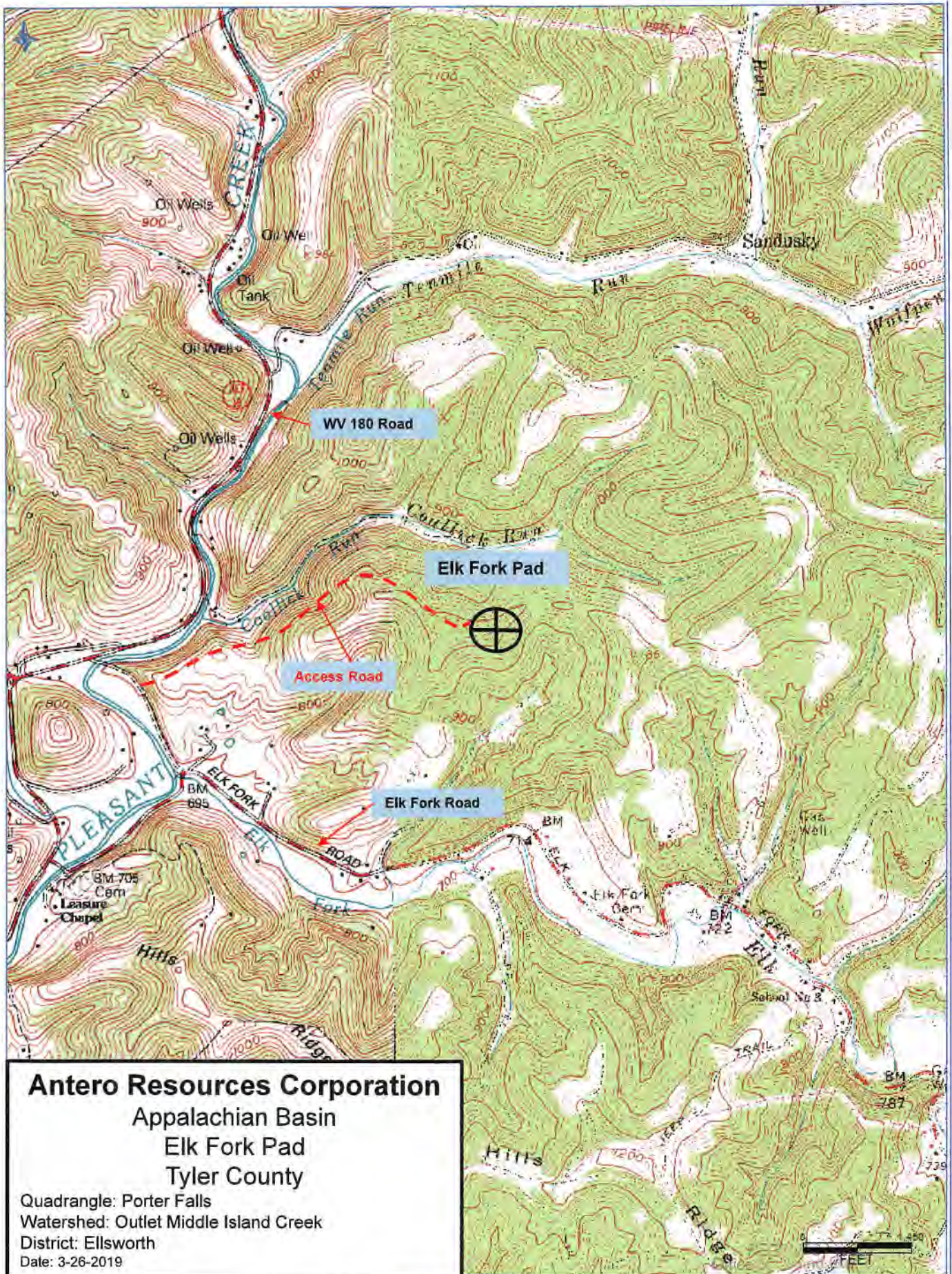
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,126' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porters Falls
DISTRICT: Ellsworth COUNTY: Tyler

SURFACE OWNER: Patricia Ann Heintzman; Larry R. & Kim M. Henthorn; BRC Appalachian Minerals I, LLC ACREAGE: 73.26 76.25; 53.75; 67; 30;
ROYALTY OWNER: Patricia Ann Heintzman; Nina & Phillip Whitefield; Nina A. Whitefield LEASE NO: ACREAGE: 28.8375

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,000' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 9,500' MD

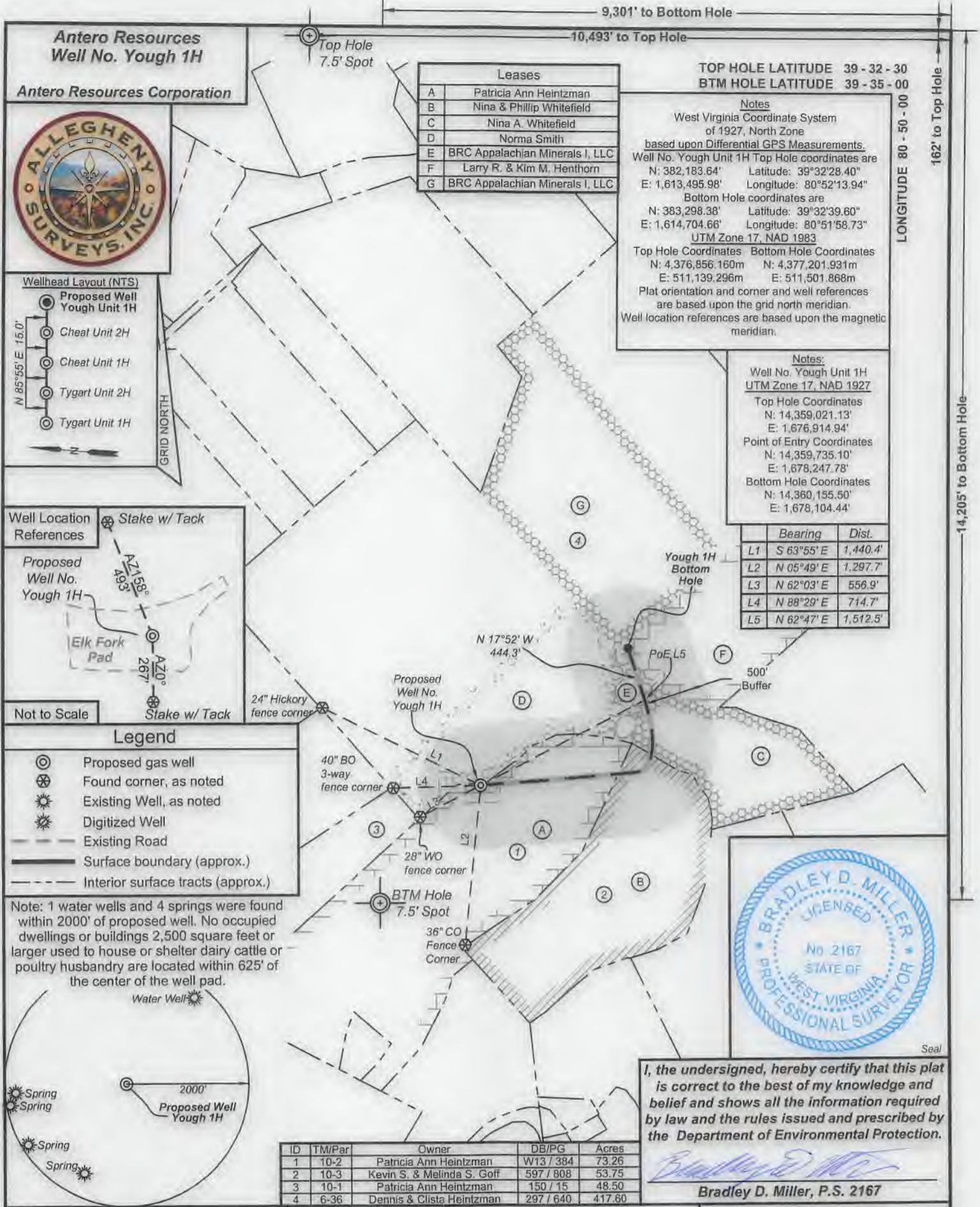
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313



Antero Resources Corporation
 Appalachian Basin
 Elk Fork Pad
 Tyler County

Quadrangle: Porter Falls
 Watershed: Outlet Middle Island Creek
 District: Ellsworth
 Date: 3-26-2019

NOV 12 2020



Leases	
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 DRAWING NO: Yough 1H Well Plat
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 5 2020
 OPERATOR'S WELL NO. Yough 1H
 API WELL NO. **HGA**
 47 - 095 - **02123**
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built 1,126' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porters Falls
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Patricia Ann Heintzman; Larry R. & Kim M. Henthorn; BRC Appalachian Minerals I, LLC ACREAGE: 73.26 76.25; 53.75; 67; 30;
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 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
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