

JUN 08 2015

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

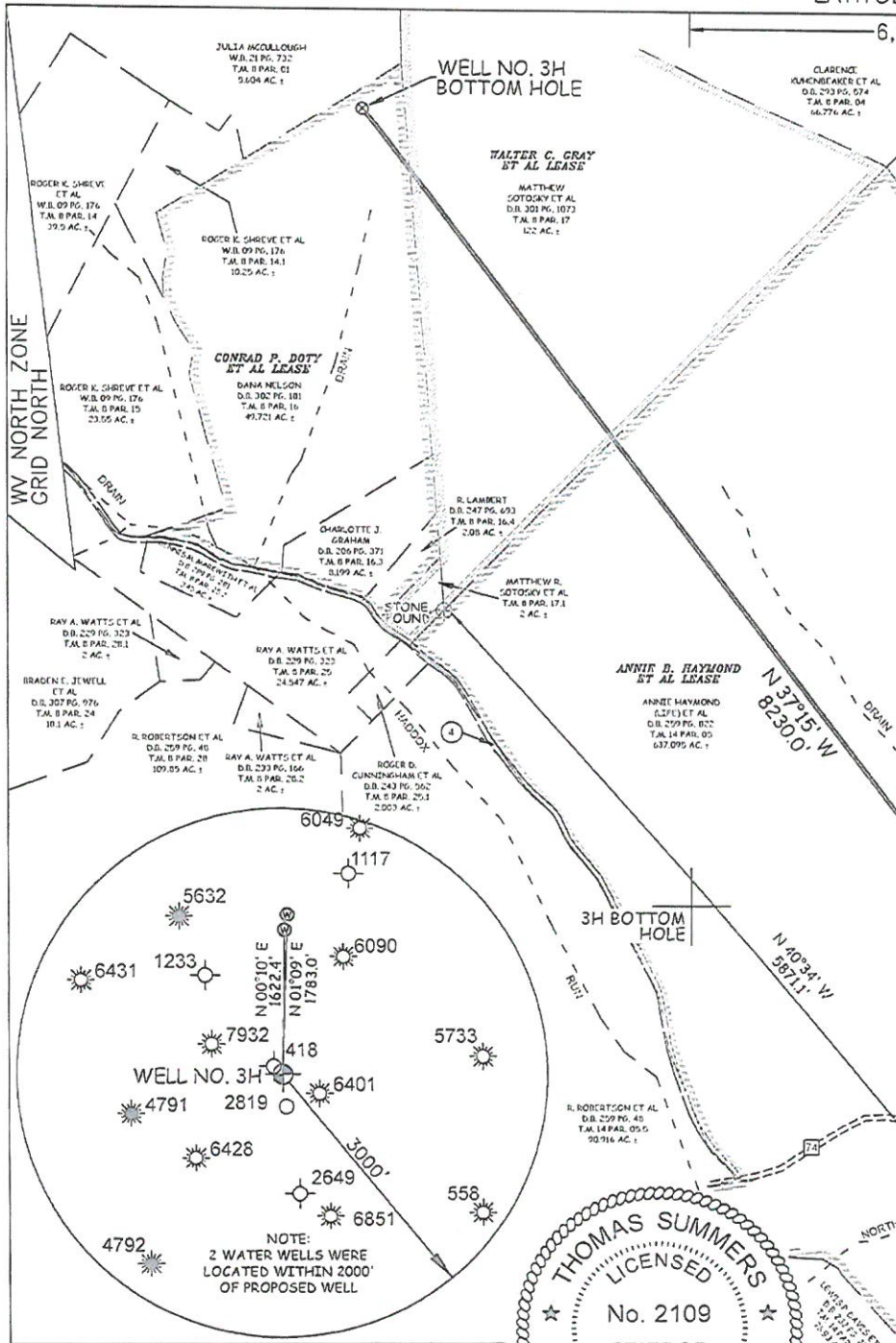
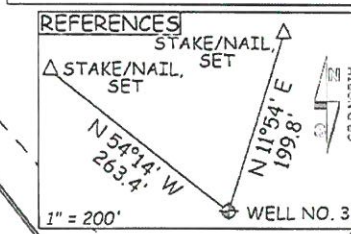
LATITUDE 39°20'00" 2,485'
6,874' TO BOTTOM HOLE
LATITUDE 39°22'30"

LONGITUDE 80°55'00" 10,120' TO BOTTOM HOLE
LONGITUDE 80°55'00" 2,179'

Antero Resources
Appalachian Corporation
Well No. Belle Unit 3H

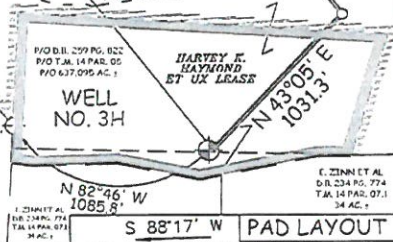
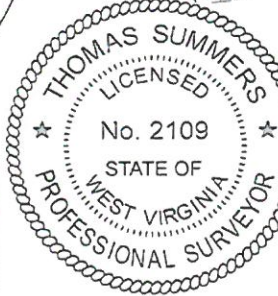
NOTES:
WELL 3H TOP HOLE INFORMATION:
3H TOP HOLE
N: 304,538ft E: 1,596,778ft
LAT: 39°19'38.47" LON: 80°55'31.59"
BOTTOM HOLE INFORMATION:
N: 311,842ft E: 1,592,501ft
LAT: 39°20'49.98" LON: 80°56'27.51"
WEST VIRGINIA COORDINATE
SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM
MEASUREMENTS TAKEN WITH
TRIMBLE 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 3H TOP HOLE INFORMATION:
N: 4,353,116m E: 506,441m
BOTTOM HOLE INFORMATION:
N: 4,355,319m E: 505,101m



LEGEND

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

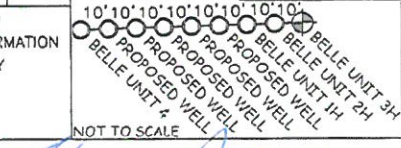


JOB # 12-160WA
DRAWING # BELLE3H
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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



THOMAS SUMMERS P.S. 2109
DATE 01/29/13

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 1,004' WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER ANNIE HAYMOND (LIFE) ET AL ACREAGE 637.095 ACRES +/-
OIL & GAS ROYALTY OWNER HARVEY K. HAYMOND ET UX; ANNIE HAYMOND ET AL; LEASE ACREAGE 33 ACRES±; 639.06 ACRES±;
WALTER C. GRAY ET AL; CONRAD P. DOTY ET AL

OPERATOR'S WELL # BELLE UNIT #3H
API WELL # 47 - 085 - 10029

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 6,600' TVD 16,100' MD
TARGET FORMATION MARCELLUS
WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1625 17TH STREET DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

COUNTY NAME RITCHIE
PERMIT