

LATITUDE 39°20'00"

7,470'

8,148' TO BOTTOM HOLE

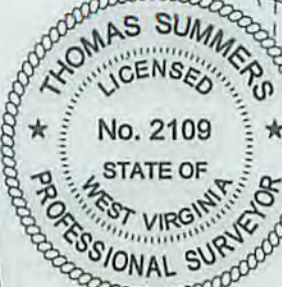
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

7,056' TO BOTTOM HOLE

LONGITUDE 80°52'30"

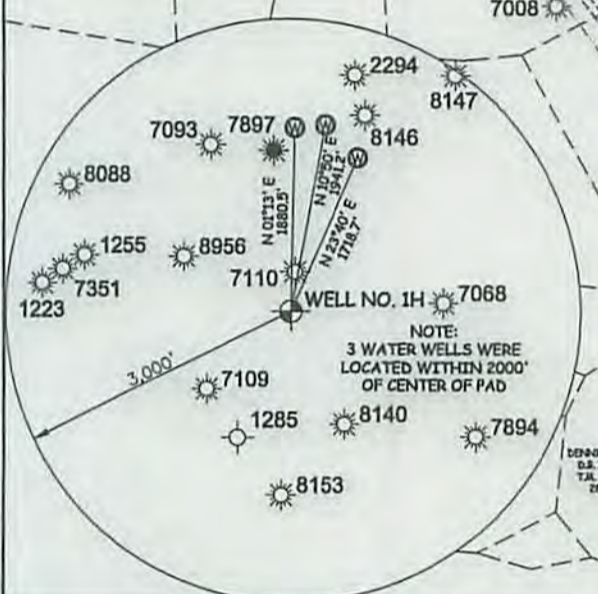
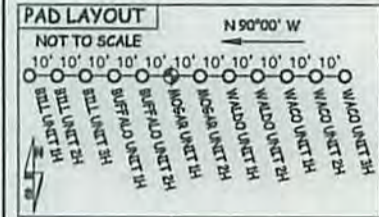
Antero Resources Corporation
Well No. Mogar Unit 1H



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 HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 292,723ft E: 1,603,397ft
LAT: 39°17'42.74" LON: 80°54'05.02"
BOTTOM HOLE INFORMATION:
N: 299,564ft E: 1,602,824ft
LAT: 39°18'50.26" LON: 80°54'13.67"
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: 4,349,550m E: 508,518m
BOTTOM HOLE INFORMATION:
N: 4,351,632m E: 508,308m



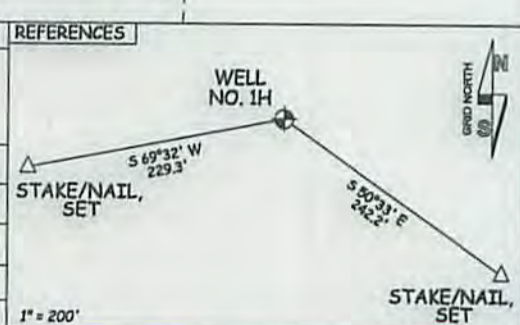
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 15-028WA
DRAWING # MOGAR1HR1
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

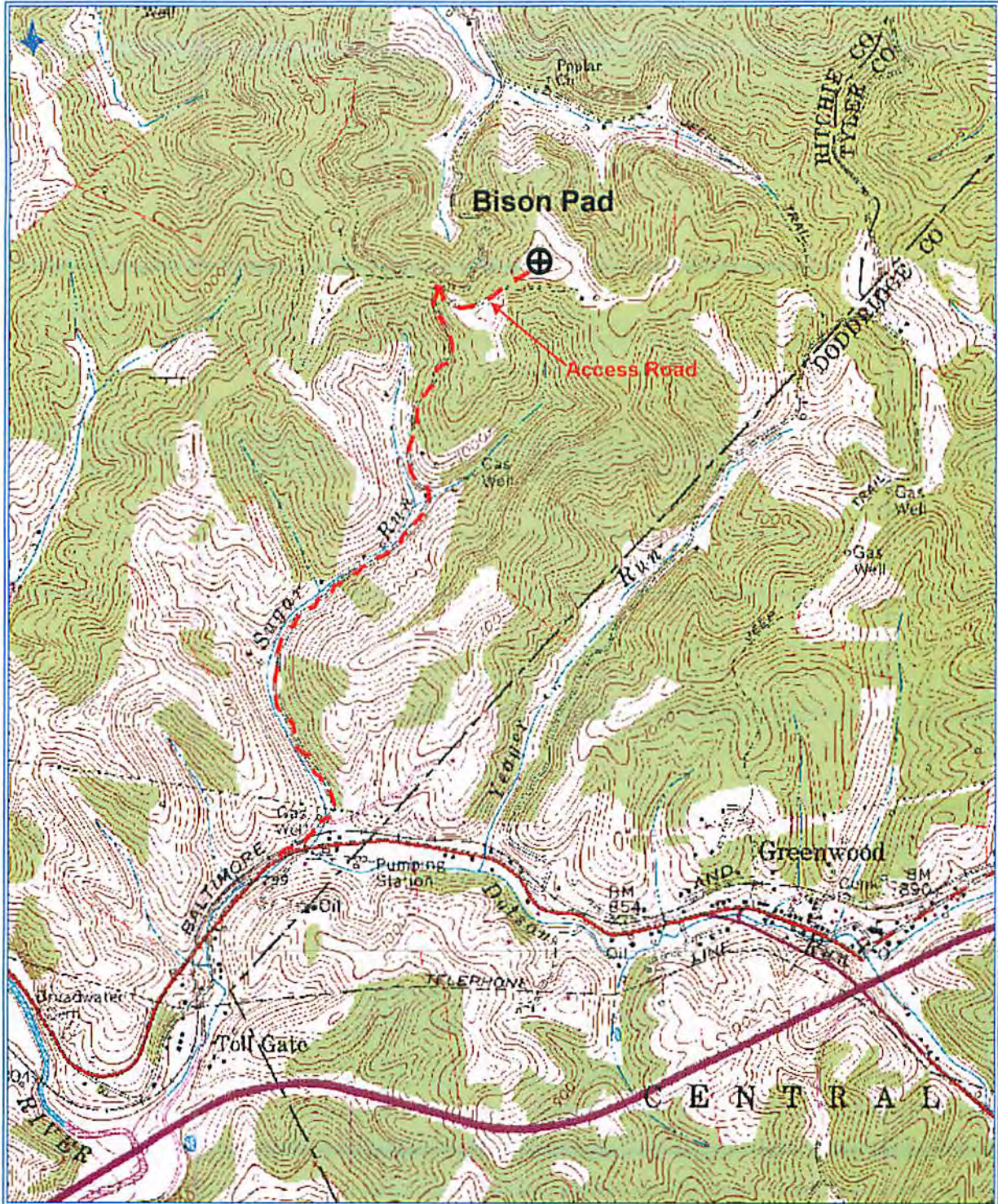
LEGEND
--- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
x x x Existing Fence
⊕ Found monument, as noted
THOMAS SUMMERS P.S. 2109
DATE 07/07/15
OPERATOR'S WELL # MOGAR UNIT 1H



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,238' - ORIGINAL 1,221' - PROPOSED ___ WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER DONALD L. COSTILOW ACREAGE 50.13 ACRES +/-
OIL & GAS ROYALTY OWNER BERTHA D. FERREBEE, DONALD L. COSTILOW ET UX; HOBERT DOTSON ET UX; DAVID W. DOTSON LEASE ACREAGE 67 AC +/-, 13.05 AC +/-, 19 AC +/-, 21.417 AC +/-
MICHAEL QUINN; L.A. GAINER ET AL; EUGENE COSTILOW ET UX; F.M. FERREBEE ET AL; MARY FERREBEE ET AL 24.5 AC +/-, 99 AC +/-, 54 AC +/-, 56 AC +/-, 72 AC +/-
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 13,900' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D. BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

9/18/2015

COUNTY NAME PERMIT



Antero Resources Corporation
 Appalachian Basin
 Mogar Unit 1H & 2H
 Ritchie County

Quadrangle: Pennsboro
 Watershed: North Fork Hughes River
 District: Clay
 Date: 7-20-2015

RECEIVED
 Office of Oil and Gas
 AUG 14 2015
 WV Department of
 Environmental Protection