

LATITUDE 39°22'30"

3,700'

LONGITUDE 80°42'30"

4,300'

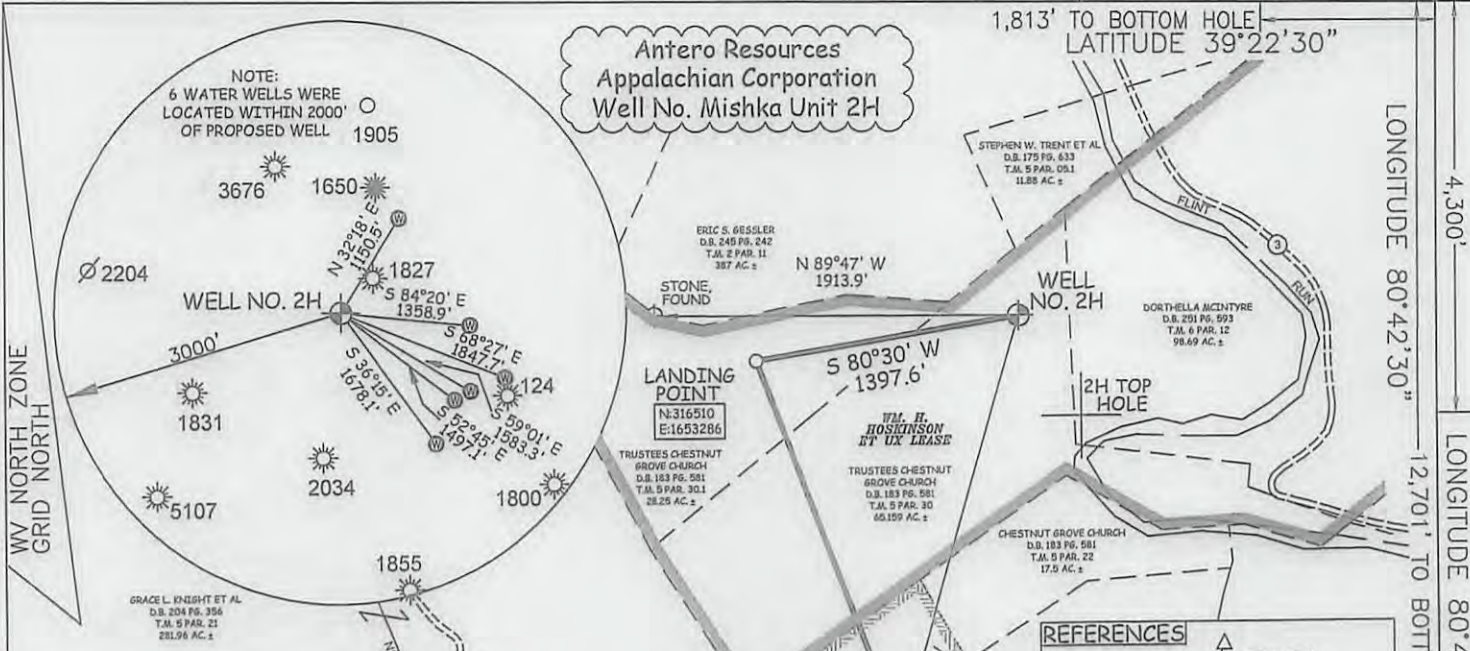
LONGITUDE 80°42'30"

12,701' TO BOTTOM HOLE

COUNTY NAME

PERMIT

### Antero Resources Appalachian Corporation Well No. Mishka Unit 2H



NOTES:  
WELL 2H TOP HOLE INFORMATION:  
N: 316,740ft E: 1,654,664ft  
LAT: 39°21'47.50" LON: 80°43'17.12"  
BOTTOM HOLE INFORMATION:  
N: 308,314ft E: 1,656,438ft  
LAT: 39°20'24.46" LON: 80°42'53.08"  
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: 4,357,128m E: 524,014m  
BOTTOM HOLE INFORMATION:  
N: 4,354,570m E: 524,597m

JOB # 12-108WA  
DRAWING # MISHKA2H  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

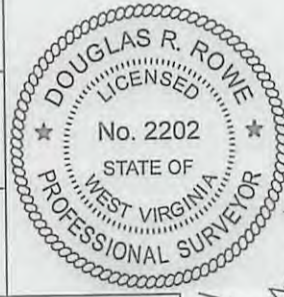
LEGEND  
--- Surface Owner Boundary Lines +/-  
--- Interior Surface Tracts +/-  
X Existing Fence  
⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202  
DATE 04/25/13  
OPERATOR'S WELL # MISHKA 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 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 - 6274 H6A

STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,115' WATERSHED FLINT RUN  
QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODDRIDGE

SURFACE OWNER TRUSTEES CHESTNUT GROVE CHURCH ACREAGE 65.159 ACRES +/-  
OIL & GAS ROYALTY OWNER WM. H. HOSKINSON ET UX; CHARLEEN UNDERWOOD ET VIR; F.H. UNDERWOOD; ALVADOR SMITH ET UX; S.B. McMILLAN; DEPI LEASE ACREAGE 228.5 ACRES±; 145.3 ACRES±; 102 ACRES±; 65 ACRES±; 432 ACRES±; 65.10 ACRES±

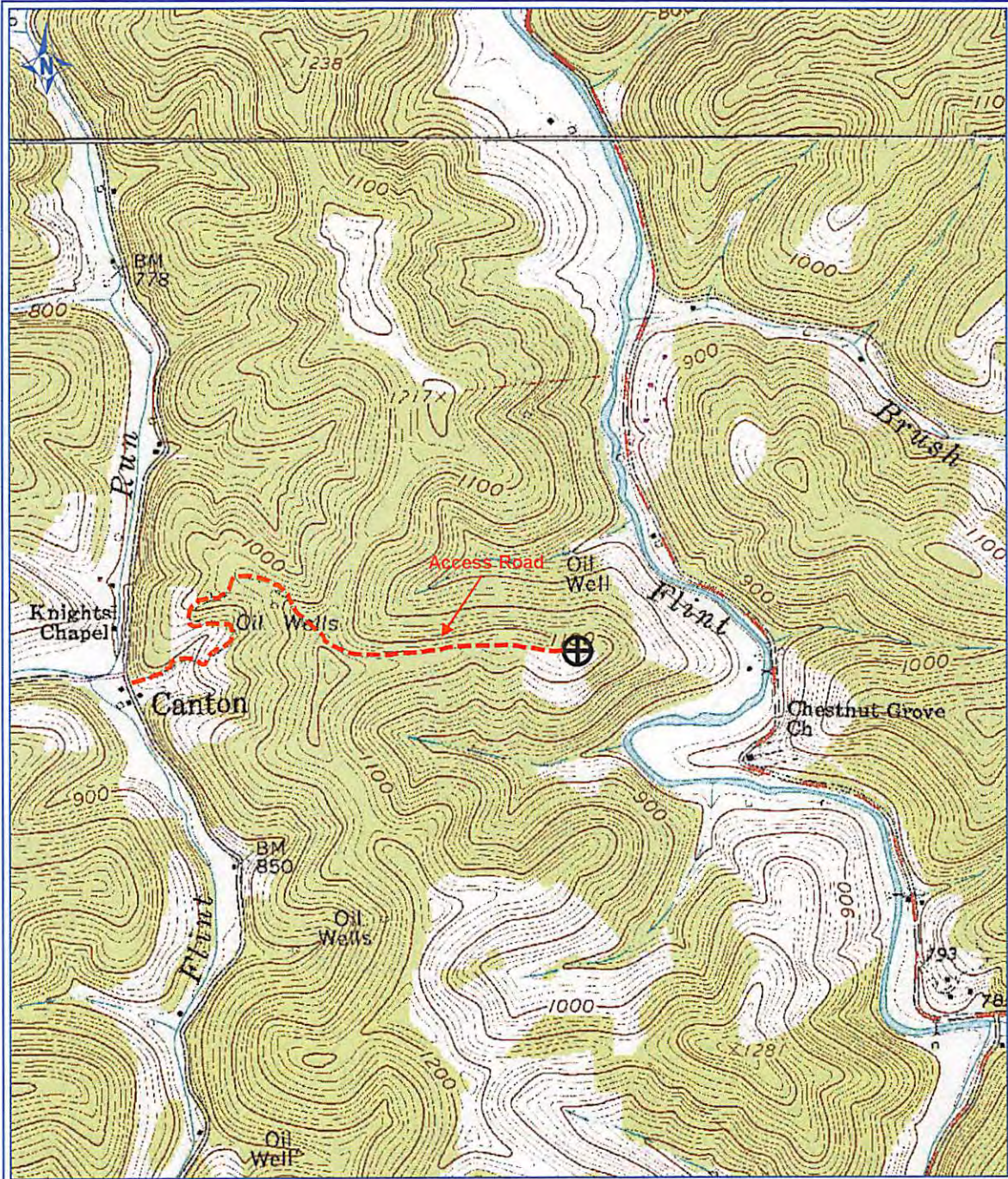
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  PLUG & ABANDON  CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,200' TVD 17,300' MD  
DIANNA STAMPER

WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT CT CORPORATION SYSTEM  
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
DENVER, CO 80202 CHARLESTON, WV 25313

07/26/2013





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RECEIVED  
 MAY 02 2013  
 WV Department of  
 Environmental Protection

### Antero Resources Corp

APPALACHIAN BASIN

Mishka Unit 2H

Doddridge County

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

By: ECM

