

LATITUDE 39°15'00"

11,341'

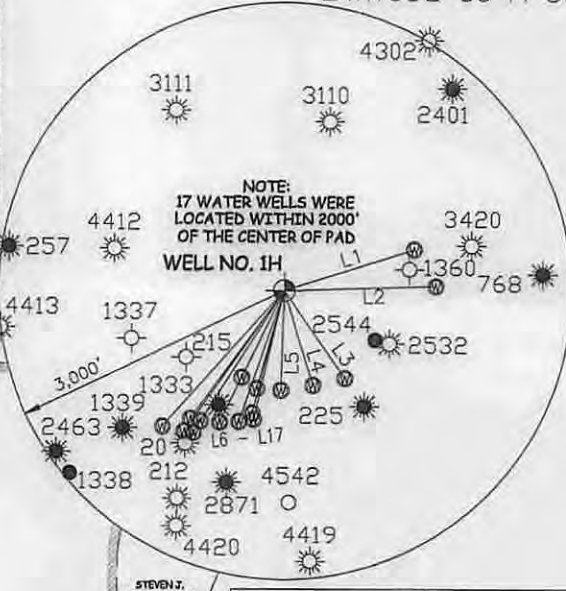
4,201' TO BOTTOM HOLE
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,165'
9,313' TO BOTTOM HOLE
LONGITUDE 80°50'00"

Antero Resources Corporation Well No. Mary Jane Unit 1H

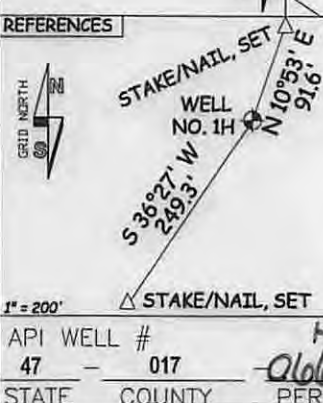
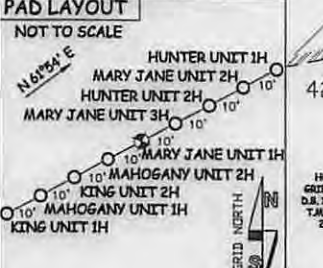
LINE	BEARING	DISTANCE
L1	N 72°15' E	1424.3'
L2	N 88°07' E	1588.8'
L3	S 35°12' E	1107.5'
L4	S 17°19' E	1023.9'
L5	S 01°48' W	1030.8'
L6	S 13°28' W	1389.1'
L7	S 14°41' W	1308.9'
L8	S 15°48' W	1061.0'
L9	S 19°07' W	1434.9'
L10	S 24°11' W	1332.7'
L11	S 28°13' W	1000.5'
L12	S 28°16' W	1517.4'
L13	S 32°47' W	1748.1'
L14	S 32°53' W	1805.3'
L15	S 35°35' W	1788.2'
L16	S 36°23' W	1844.9'
L17	S 42°08' W	1898.8'



NOTE:
17 WATER WELLS WERE
LOCATED WITHIN 2000'
OF THE CENTER OF PAD
WELL NO. 1H

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 271,974ft E: 1,611,012ft
LAT: 39°14'18.83" LON: 80°52'24.14"
BOTTOM HOLE INFORMATION:
N: 282,073ft E: 1,606,504ft
LAT: 39°15'57.96" LON: 80°53'23.42"
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: 4,343,268m E: 510,943m
BOTTOM HOLE INFORMATION:
N: 4,346,321m E: 509,518m



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 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 # 14-082WA
DRAWING # MARYJANE1HR2
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 +/-
- Existing Fence
- Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

DATE 11/18/14
OPERATOR'S WELL # MARY JANE UNIT #1H

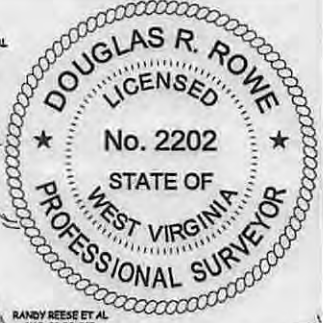
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 991.4' WATERSHED CABIN RUN
QUADRANGLE OXFORD 7.5' (TOP HOLE) PENNSBORO 7.5' (BOTTOM HOLE) DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER JAMES E. WEBB ACREAGE 84.89 ACRES +/-
OIL & GAS ROYALTY OWNER CHARLEY WILSON ET UX; H.B. WILLIAMS ET UX; LEASE ACREAGE 91 ACRES +/-; 307 ACRES +/-
DONNA HELMICK ET AL.; GERALDINE WILLARD; RITA I. TAGANI; ETTA ORDER ET VIR; V. OLIVE ELLIFRIT; E.M. SMITH ET UX 67.25 ACRES +/-; 131.5 ACRES +/-; 13.5 ACRES +/-; 201 ACRES +/-; 130 ACRES +/-; 108 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

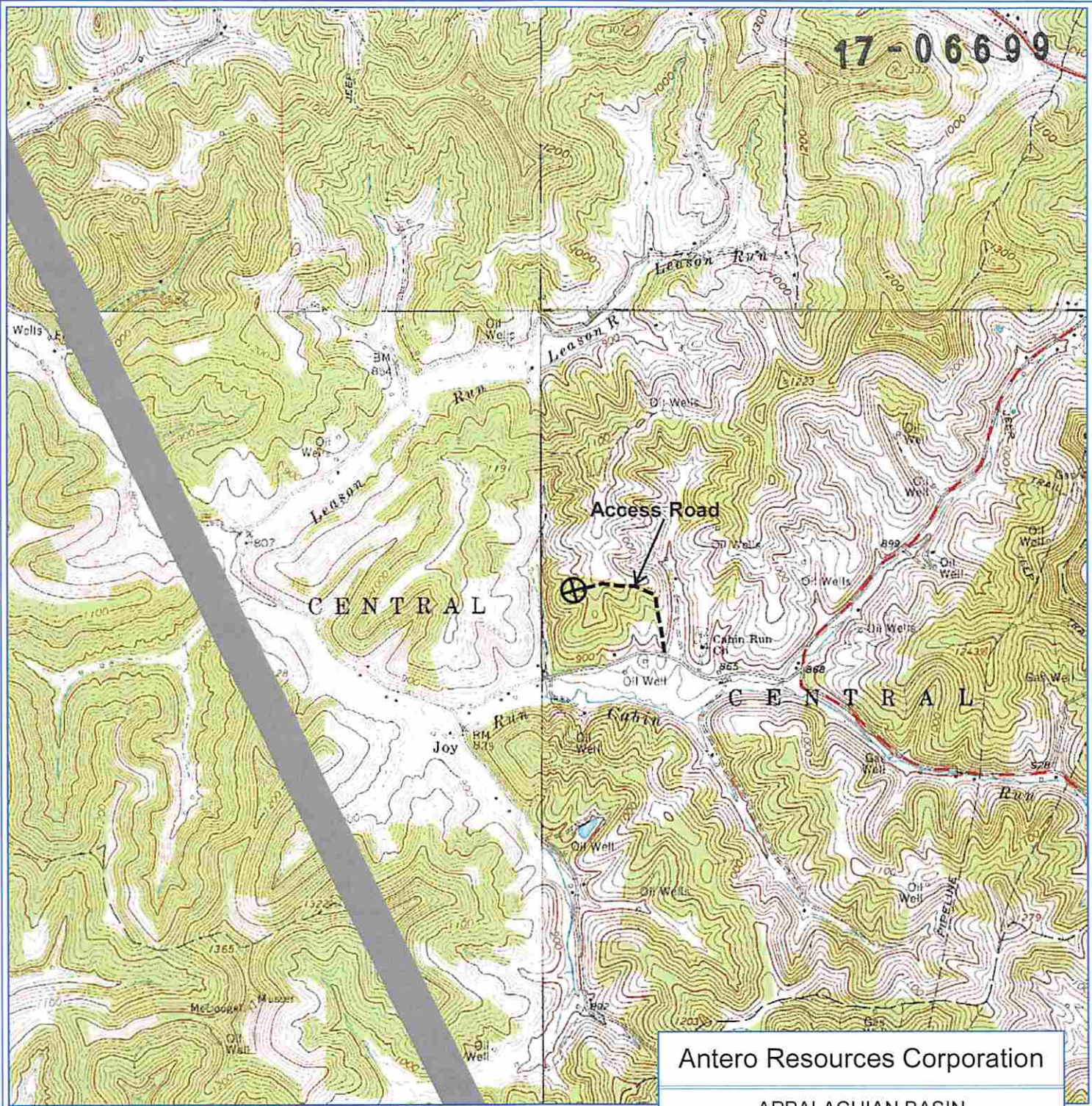
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,900' TVD 18,600' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1815 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



03/27/2015

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Office of Oil and Gas
DEC 01 2014
WV Department of
Environmental Protection

Antero Resources Corporation
APPALACHIAN BASIN
Mary Jane Unit 1H Doddridge County, WV
REMARKS QUADRANGLE: OXFORD WATERSHED: CABIN RUN DISTRICT: CENTRAL
November 24, 2014