

LATITUDE 39°12'30"

6,890'

LATITUDE 39°10'00"

3,989' TO BOTTOM HOLE

LONGITUDE 80°52'30"

9,172' TO BOTTOM HOLE

12,971'

LONGITUDE 80°52'30"

COUNTY NAME

PERMIT

Antero Resources Corporation
Well No. Karen Unit 3H

W. P. IRELAND
ET UX LEASE
JACK W. KRASCH III
W.B. 23 PG. 978
T.M. 20 PAR. 01
131 AC ±

WELL NO. 3H

LANDING POINT
N:247769
E:1602590

NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 248,109ft E: 1,603,295ft
LAT: 39°10'21.80" LON: 80°53'57.48"
BOTTOM HOLE INFORMATION:
N: 236,688ft E: 1,606,021ft
LAT: 39°08'29.35" LON: 80°53'20.63"
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.

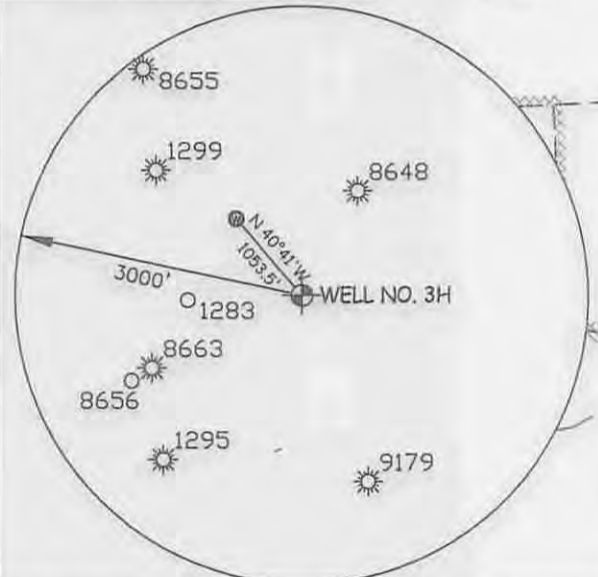
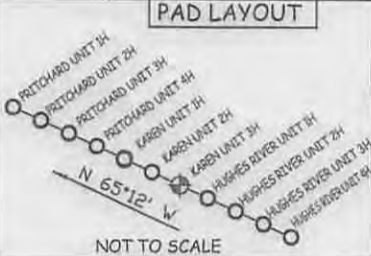
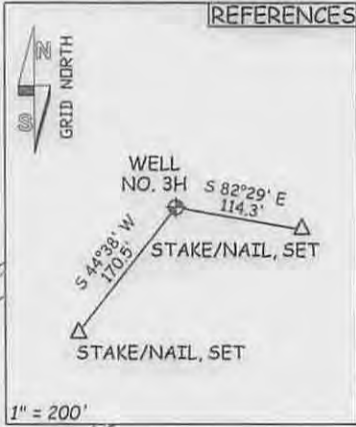
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 4,335,958m E: 508,713m
BOTTOM HOLE INFORMATION:
N: 4,332,493m E: 509,602m

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
--- Existing Fence
--- Found monument, as noted
D. R. Rowe
DOUGLAS R. ROWE P.S. 2202
DATE 04/23/15
OPERATOR'S WELL# KAREN UNIT #3H

API WELL #
47 - 085 - 10216 HCA
STATE COUNTY PERMIT

JOB # 14-127WA
DRAWING # KAREN3H
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

NOTE
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED
EIGHTY-NINE SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER CATTLE
OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED
TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

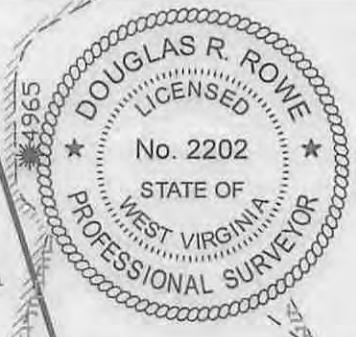


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

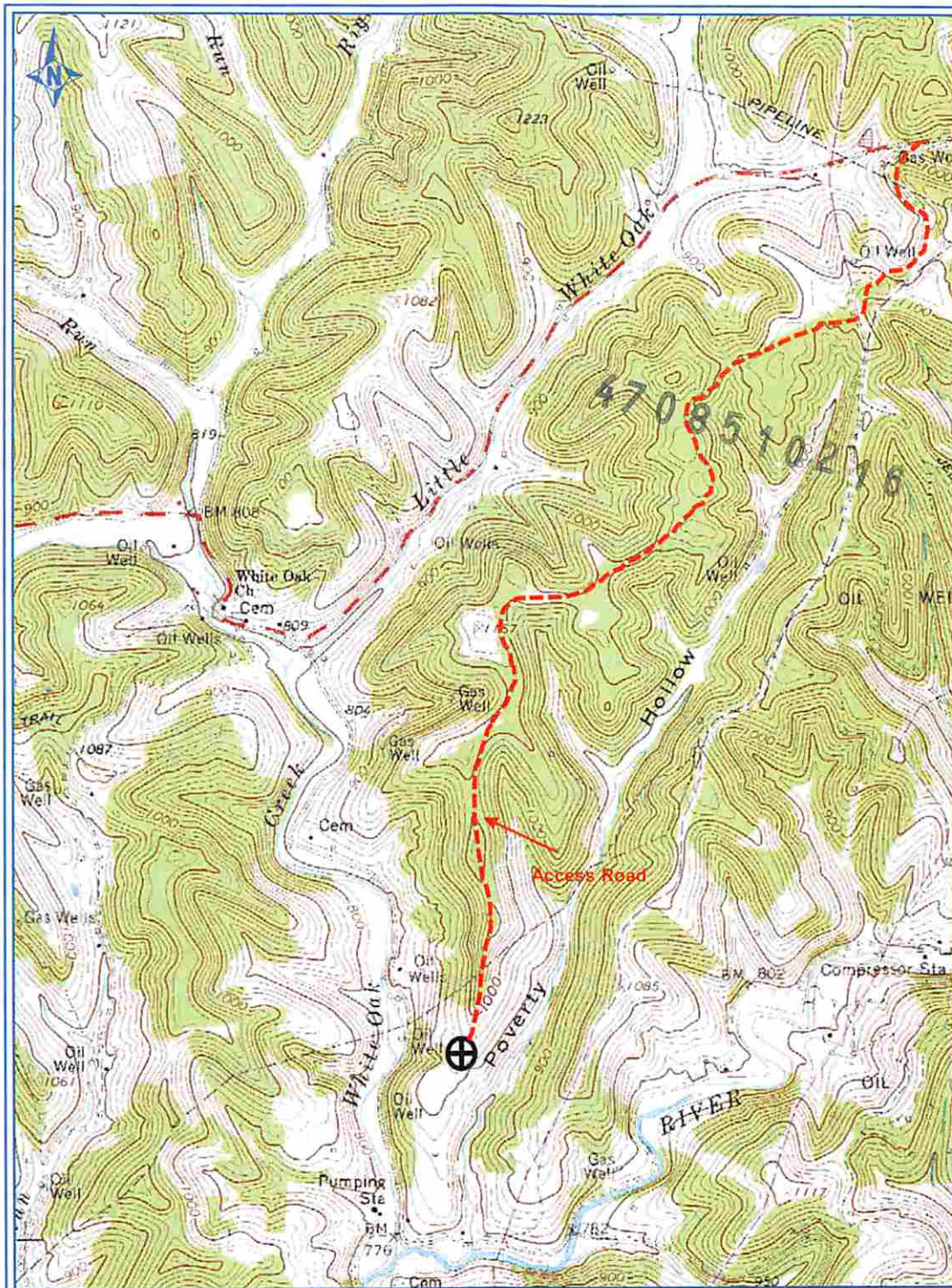


STATE OF WEST VIRGINIA, DIVISION
OF ENVIRONMENTAL PROTECTION,
OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO
WEST VIRGINIA 26415

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ORIGINAL GROUND ELEV. 957' PROPOSED ELEV. 947' WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE PULLMAN 7.5 DISTRICT UNION COUNTY RITCHIE
SURFACE OWNER LYNWOOD IRELAND ET AL ACREAGE 144.276 ACRES +/-
OIL & GAS ROYALTY OWNER BELLE PRITCHARD; W. P. IRELAND LEASE ACREAGE 415 AC ± 222 AC ±
ET UX: JOYCE E. WEBBER; EARL E. FLESHER ET AL 445.67 AC ± 57 AC ±
EARL E. FLESHER; ELBERT SHEETS HEIRS; 82 AC ± 70.25 AC ±
AL. G. KELLEY 100 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) PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 8,500' TVD 18,600' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



07/10/2015



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Antero Resources Corp

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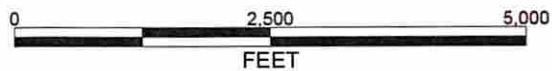
KAREN UNIT 3H

Ritchie County

REMARKS

QUADRANGLE: PULLMAN 7.5'
 WATERSHED: SOUTH FORK HUGHES RIVER
 DISTRICT: UNION

By: ECM



Received
Office of Oil & Gas
MAY 07 2015

07/10/2015