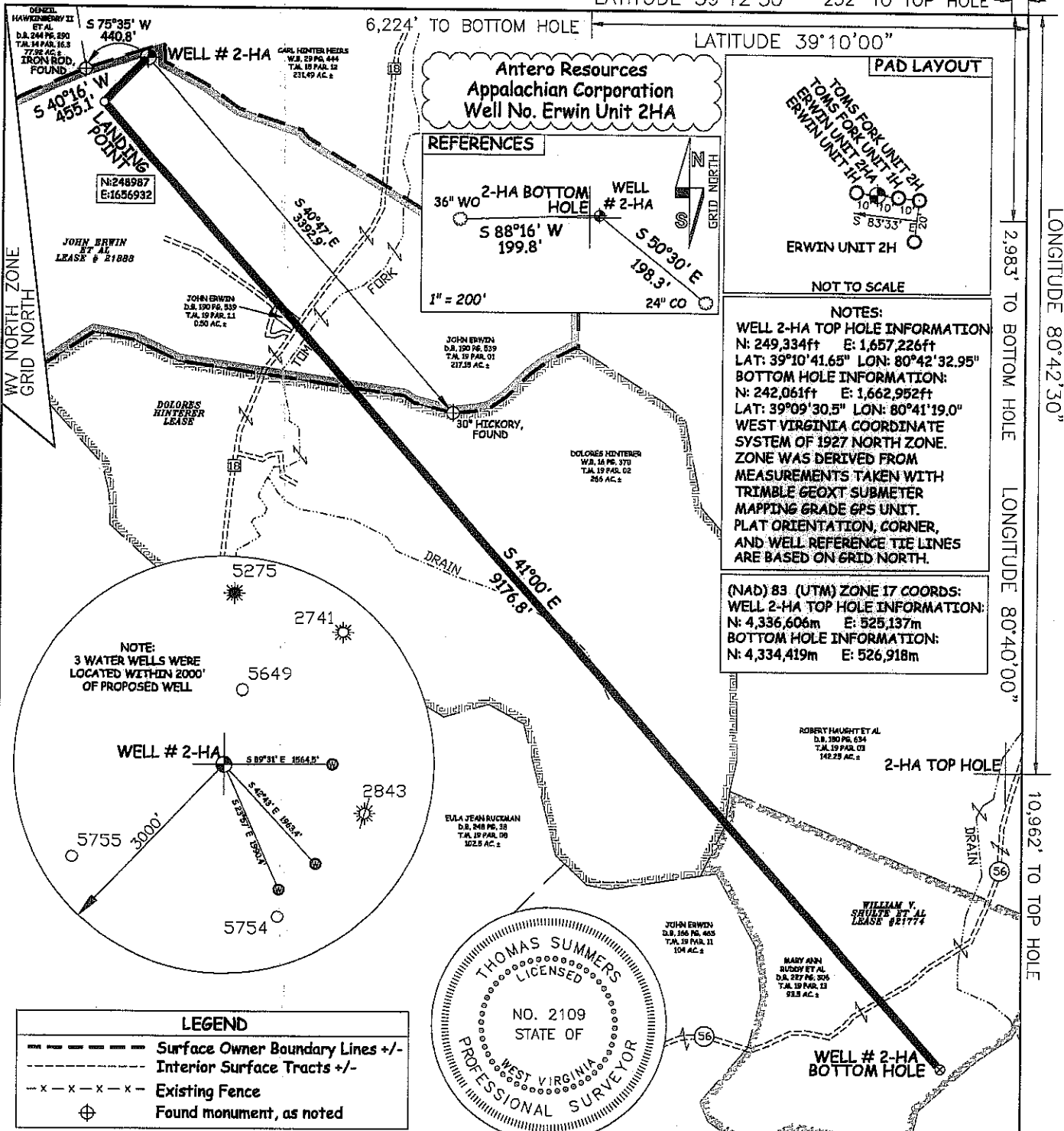


LATITUDE 39°12'30" 232' TO TOP HOLE

LATITUDE 39°10'00"

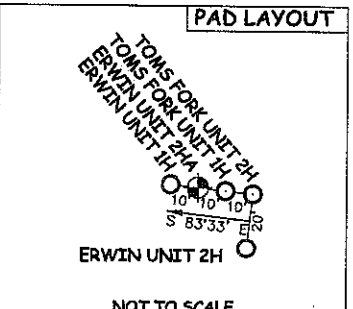
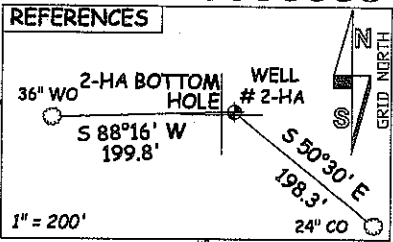


LONGITUDE 80°42'30"

LONGITUDE 80°40'00"

10,962' TO TOP HOLE

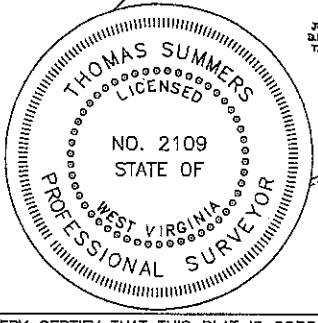
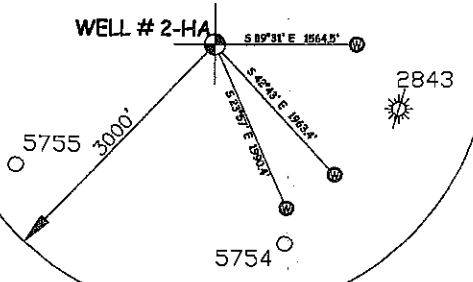
**Antero Resources
Appalachian Corporation
Well No. Erwin Unit 2HA**



NOTES:
WELL 2-HA TOP HOLE INFORMATION
N: 249,334ft E: 1,657,226ft
LAT: 39°10'41.65" LON: 80°42'32.95"
BOTTOM HOLE INFORMATION:
N: 242,061ft E: 1,662,952ft
LAT: 39°09'30.5" LON: 80°41'19.0"
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 2-HA TOP HOLE INFORMATION:
N: 4,336,606m E: 525,137m
BOTTOM HOLE INFORMATION:
N: 4,334,419m E: 526,918m

NOTE:
3 WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL



LEGEND

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

JOB # 11-097
DRAWING # ERWIN2HA
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 6/28/12
OPERATOR'S WELL# ERWIN UNIT 2HA
API WELL #

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 017 - 06126 HGA
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW STATE COUNTY PERMIT
LOCATION: ELEVATION 1,223' WATERSHED TOMS FORK DISTRICT NEW MILTON COUNTY DODDRIDGE
QUADRANGLE NEW MILTON 7.5'

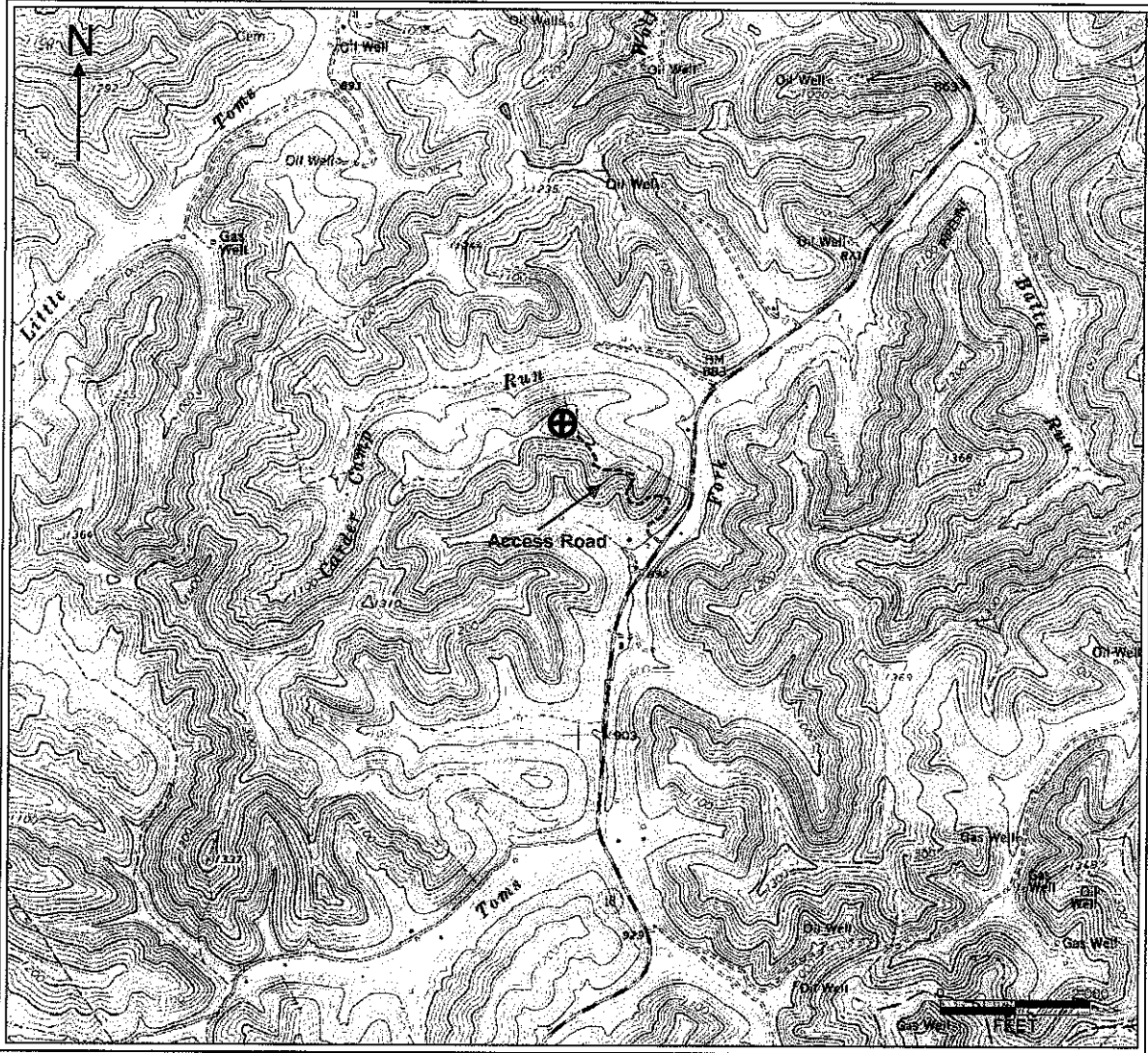
SURFACE OWNER JOHN ERWIN ACREAGE 217.15 ACRES +/-
OIL & GAS ROYALTY OWNER JOHN ERWIN ET AL (21888); DOLORES HINTERER; LEASE ACREAGE 218 AC; 266 AC; WILLIAM V. SHULTE ET AL (21774) 93.5 AC.

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 7,300' TVD 17,000' 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 PERMIT



PETRA 1/4/2012 10:17:06 AM

Antero Resources Corporation

APPALACHIAN BASIN

Erwin Unit 2HA
Doddridge County



REMARKS
QUADRANGLE: NEW MILTON
WATERSHED: TOMS FORK
DISTRICT: NEW MILTON

Date: 1/04/2012