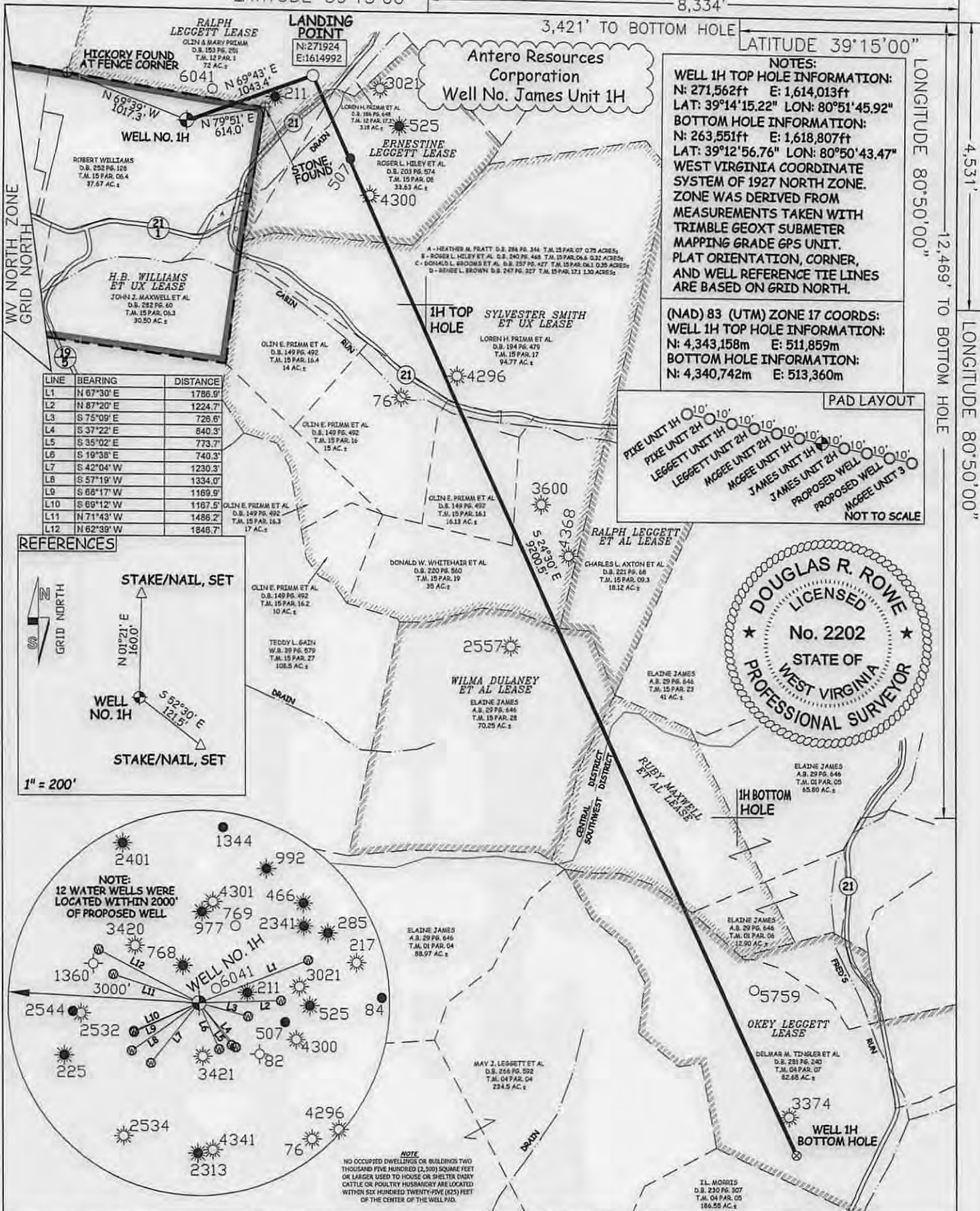


LATITUDE 39°15'00"

8,334'

3,421' TO BOTTOM HOLE

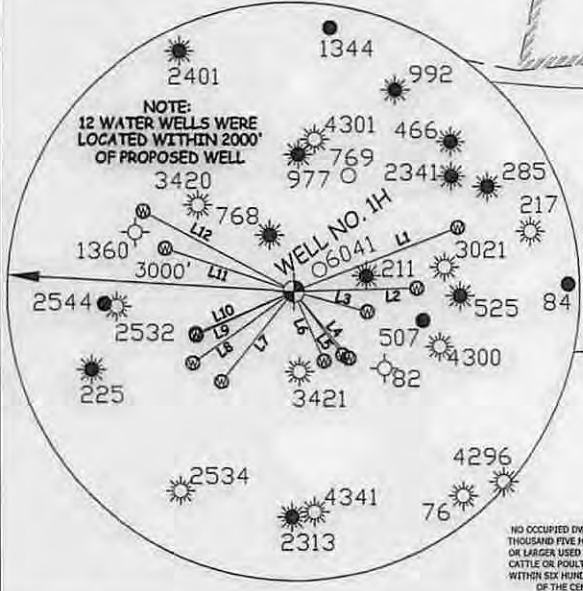
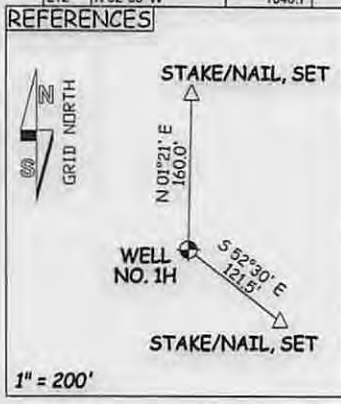
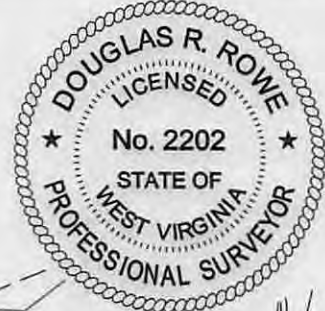
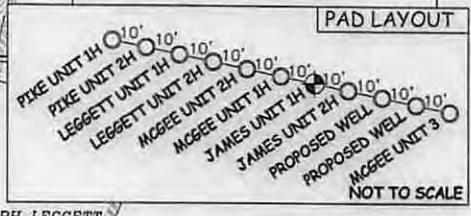
LATITUDE 39°15'00"



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 271,562ft E: 1,614,013ft
 LAT: 39°14'15.22" LON: 80°51'45.92"
 BOTTOM HOLE INFORMATION:
 N: 263,551ft E: 1,618,807ft
 LAT: 39°12'56.76" LON: 80°50'43.47"
 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: 4,343,158m E: 511,859m
 BOTTOM HOLE INFORMATION:
 N: 4,340,742m E: 513,360m

LINE	BEARING	DISTANCE
L1	N 67°30' E	1786.9'
L2	N 87°20' E	1224.7'
L3	S 75°09' E	726.6'
L4	S 37°22' E	840.3'
L5	S 35°02' E	773.7'
L6	S 19°38' E	740.3'
L7	S 42°04' W	1230.3'
L8	S 57°19' W	1334.0'
L9	S 68°17' W	1189.9'
L10	S 69°12' W	1187.5'
L11	N 71°43' W	1488.2'
L12	N 62°39' W	1848.7'



JOB # 14-074WA
 DRAWING # JAMES1H
 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 RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



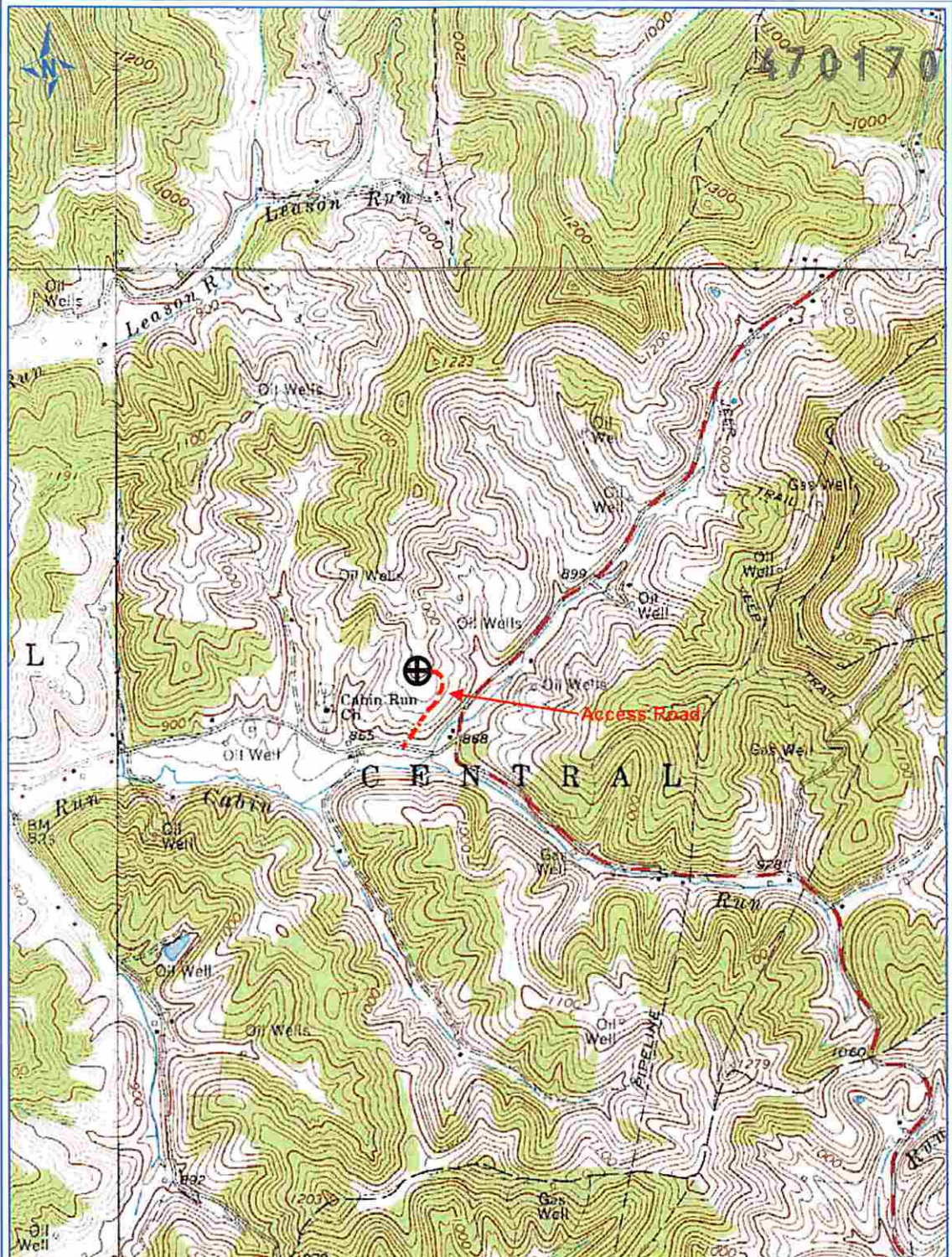
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 X Existing Fence
 ⊕ Iron Pipe, Found

DOUGLAS R. ROWE P.S. 2202
 DATE 08/12/14
 OPERATOR'S WELL# JAMES UNIT #1H
 API WELL # 47 - 017
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 990' WATERSHED TRIBUTARY OF CABIN RUN
 QUADRANGLE OXFORD 7.5 DISTRICT CENTRAL COUNTY DODDRIDGE
 SURFACE OWNER ROBERT WILLIAMS ACREAGE 37.67 ACRES +/-
 OIL & GAS ROYALTY OWNER H.B. WILLIAMS ET UX; RALPH LEGGETT; ERNESTINE LEGGETT; SYLVESTER SMITH ET UX; WILMA DULANEY ET AL.; RUBY MAXWELL ET AL.; OKEY LEGGETT LEASE ACREAGE 307 ACRES +/-; 48 ACRES +/-; 48 ACRES +/-; 210 ACRES +/-; 67 ACRES +/-; 50.5 ACRES +/-; 141 ACRES +/-
 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 6,900' TVD 17,500' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

4701706620



PETRA 5/8/2013 2:57:06 PM

Antero Resources Corp

APPALACHIAN BASIN

James Unit 1H

Doddridge County

REMARKS

QUADRANGLE: OXFORD/WEST UNION
WATERSHED: TRIBUTARY OF CABIN RUN
DISTRICT: CENTRAL

By: ECM

