

LATITUDE 39°15'00"

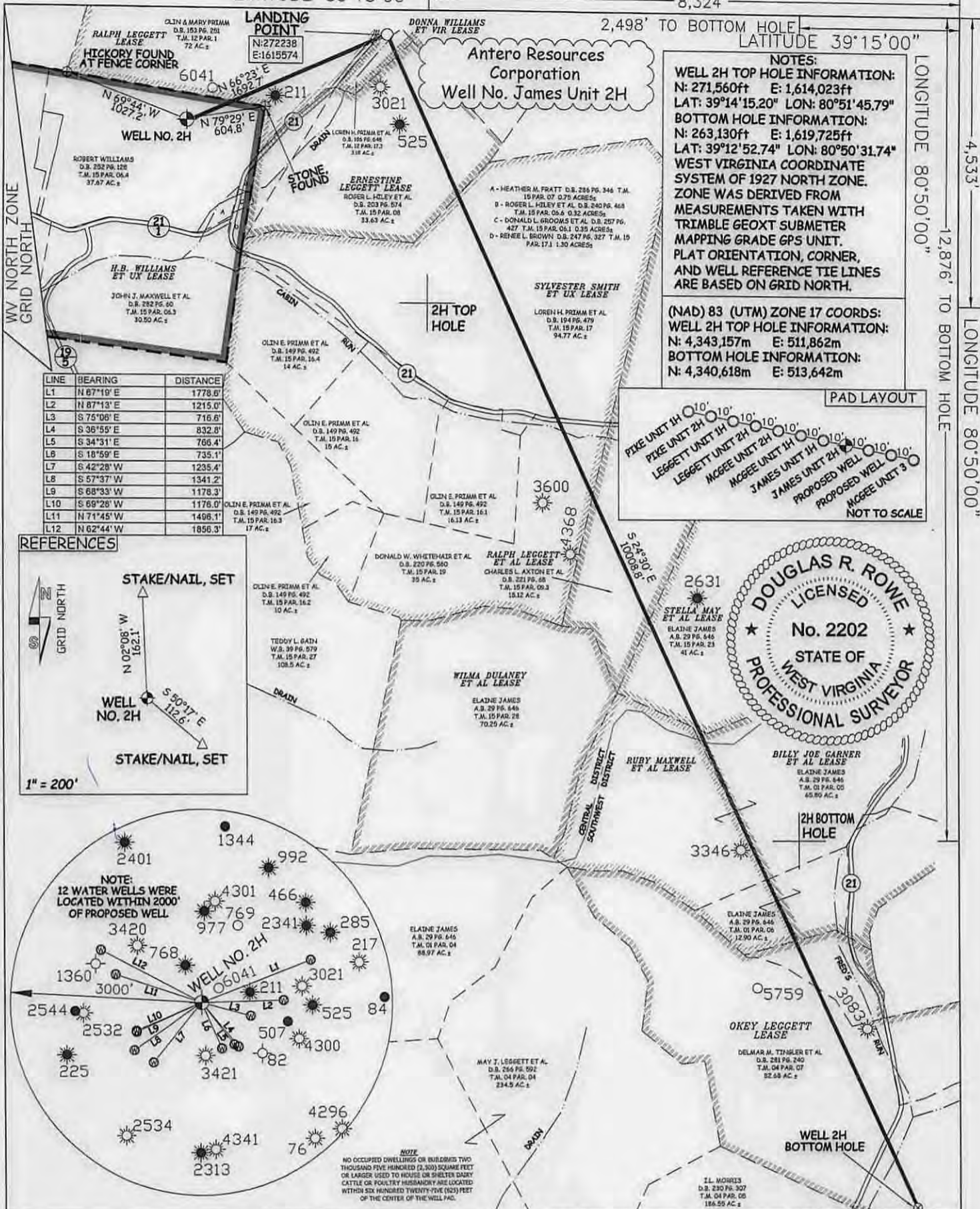
8,324'

LATITUDE 39°15'00"

4,533'

12,876' TO BOTTOM HOLE

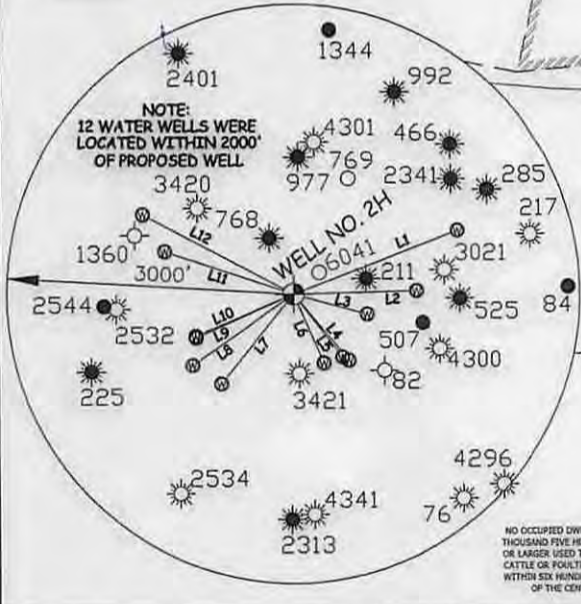
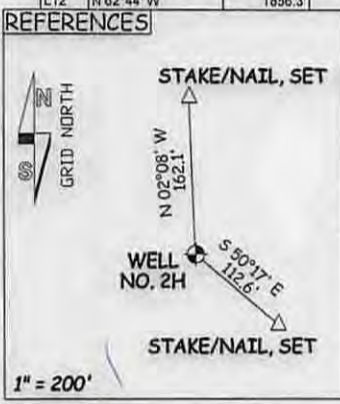
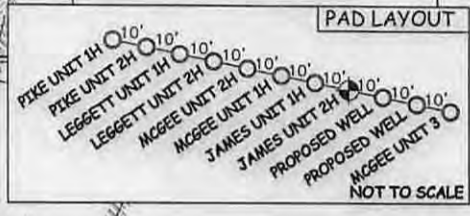
LONGITUDE 80°50'00"



**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 271,560ft E: 1,614,023ft  
 LAT: 39°14'15.20" LON: 80°51'45.79"  
**BOTTOM HOLE INFORMATION:**  
 N: 263,130ft E: 1,619,725ft  
 LAT: 39°12'52.74" LON: 80°50'31.74"  
 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: 4,343,157m E: 511,862m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,340,618m E: 513,642m

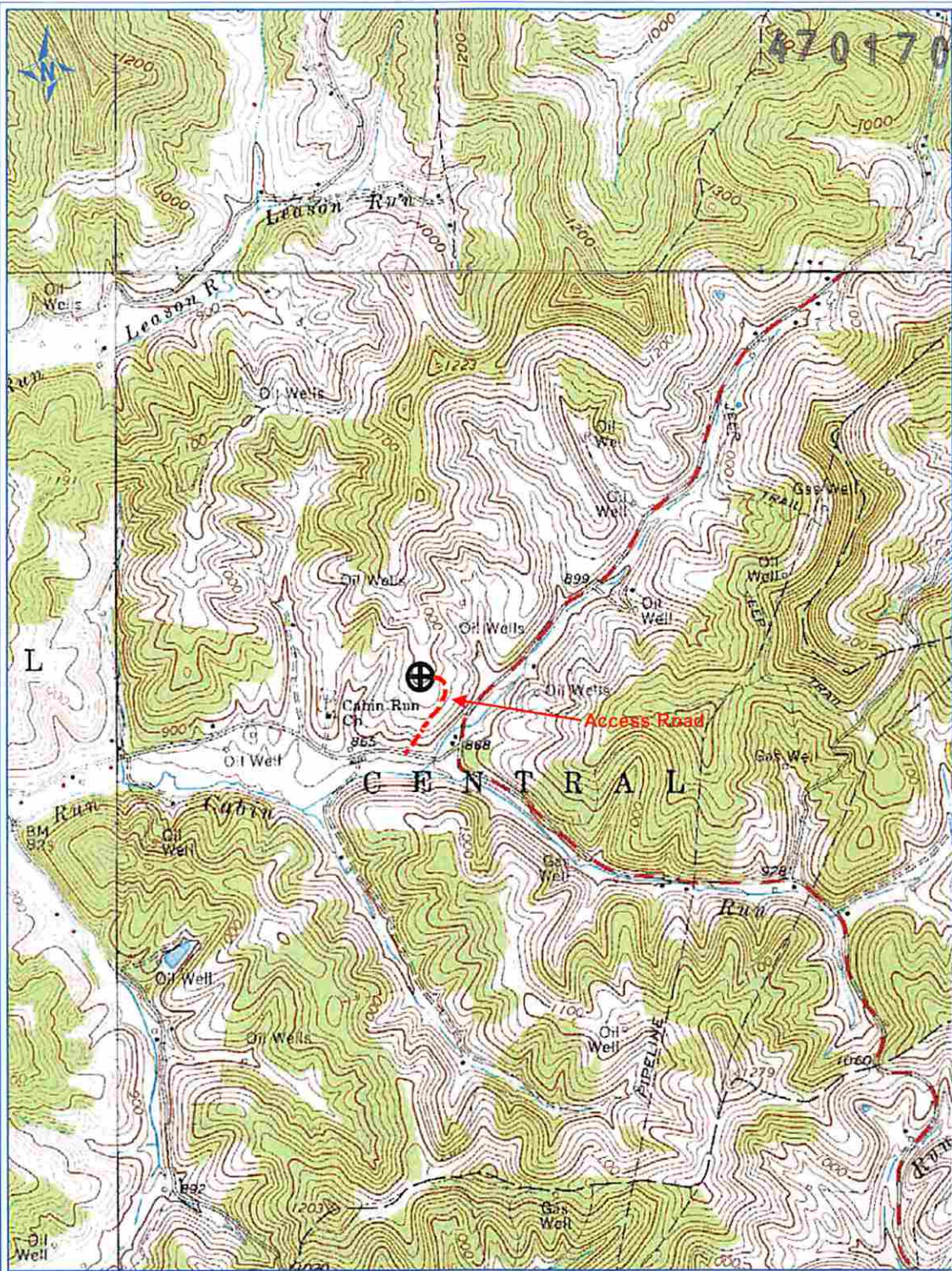
LINE	BEARING	DISTANCE
L1	N 67°19' E	1778.0'
L2	N 87°13' E	1215.0'
L3	S 75°08' E	716.6'
L4	S 36°55' E	832.8'
L5	S 34°31' E	766.4'
L6	S 18°59' E	735.1'
L7	S 42°28' W	1235.4'
L8	S 57°37' W	1341.2'
L9	S 68°33' W	1178.3'
L10	S 66°28' W	1178.0'
L11	N 71°45' W	1408.1'
L12	N 62°44' W	1856.3'



JOB # 14-074WA	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.	<b>LEGEND</b> - - - - - Surface Owner Boundary Lines +/- - - - - - Interior Surface Tracts +/- X Existing Fence ⊕ Iron Pipe, Found DOUGLAS R. ROWE DOUGLAS R. ROWE P.S. 2202 DATE 08/12/14 OPERATOR'S WELL# JAMES UNIT #2H API WELL # HGA 06619 47 - 017 - PERMIT STATE COUNTY PERMIT
DRAWING # JAMES2H		
SCALE 1" = 1000'	STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415	COUNTY NAME PERMIT
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 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; DONNA WILLIAMS ET VIR; LEASE ACREAGE 307 ACRES +/- 48 ACRES +/- 11.25 ACRES +/- ERNESTINE LEGGETT; SYLVESTER SMITH ET UX; RALPH LEGGETT ET AL; STELLA MAY ET AL; BILLY JOE GARNER ET AL; RUBY MAXWELL ET AL; OKEY LEGGETT 48 ACRES +/- 210 ACRES +/- 187 ACRES +/- 125.5 ACRES +/- 83.79 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 18,000' MD	
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS		STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415
WELL OPERATOR ANTERO RESOURCES CORP.	DESIGNATED AGENT CT CORPORATION SYSTEM	
ADDRESS 1615 WYNKOOP STREET DENVER, CO 80202	ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313	



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**Antero Resources Corp**

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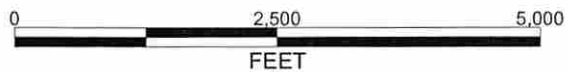
James Unit 2H

Doddridge County

**REMARKS**

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

By: ECM



RECEIVED  
Office of Oil and Gas  
SEP 12 2014  
WV Department of  
Environmental Protection