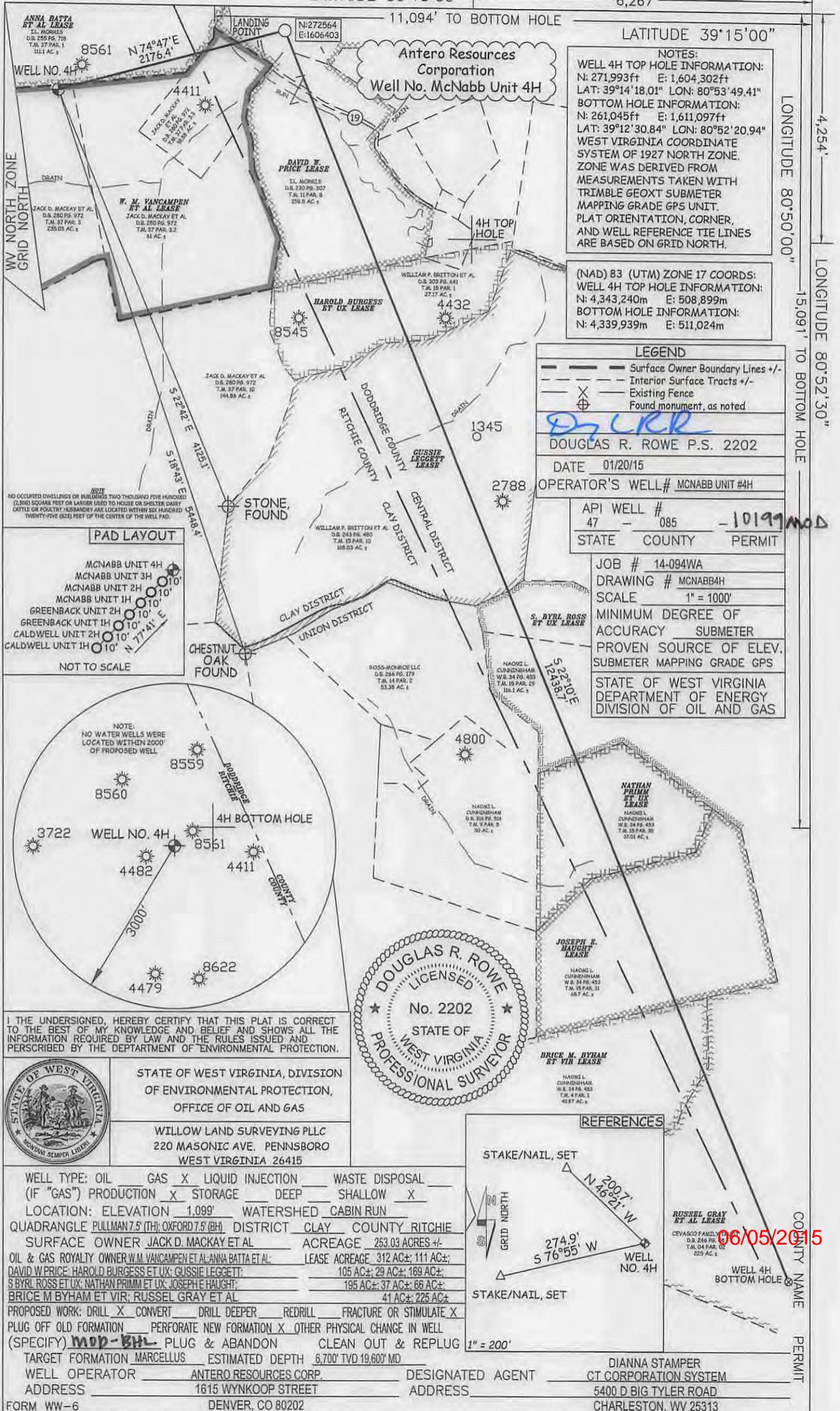


LATITUDE 39°15'00"

6,267'

LATITUDE 39°15'00"

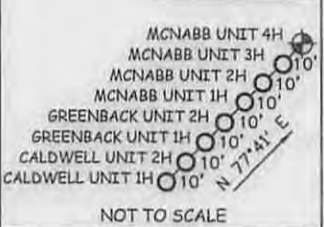


NOTES:
 WELL 4H TOP HOLE INFORMATION:
 N: 271,993ft E: 1,604,302ft
 LAT: 39°14'18.01" LON: 80°53'49.41"
 BOTTOM HOLE INFORMATION:
 N: 261,045ft E: 1,611,097ft
 LAT: 39°12'30.84" LON: 80°52'20.94"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TREMBLE GEOTX SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

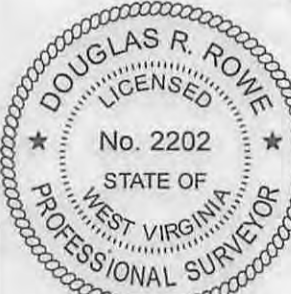
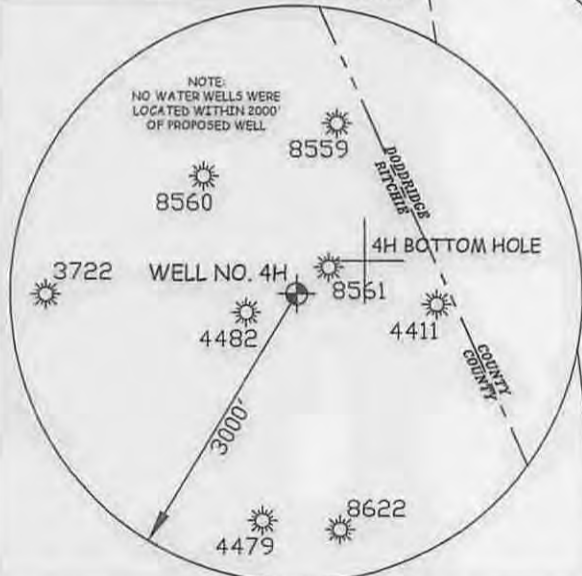
(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 4H TOP HOLE INFORMATION:
 N: 4,343,240m E: 508,899m
 BOTTOM HOLE INFORMATION:
 N: 4,339,939m E: 511,024m

LEGEND		
	Surface Owner Boundary Lines +/-	
	Interior Surface Tracts +/-	
	Existing Fence	
	Found monument, as noted	
<i>D. R. Rowe</i>		
DOUGLAS R. ROWE P.S. 2202		
DATE 01/20/15		
OPERATOR'S WELL# MCNABB UNIT #4H		
API WELL #	47 - 085	- 10199 MOD
STATE	COUNTY	PERMIT
JOB #	14-094WA	
DRAWING #	MCNABB4H	
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		

PAD LAYOUT



NOTE:
 NO WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL



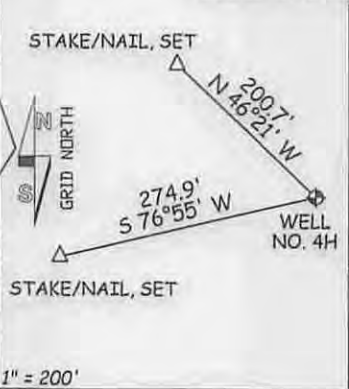
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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 LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,099' WATERSHED CABIN RUN
 QUADRANGLE PULLMAN 7.5 (TH); OXFORD 7.5 (BH) DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER JACK D. MACKAY ET AL ACREAGE 253.03 ACRES +/-
 OIL & GAS ROYALTY OWNER W.M. VANCAMPEN ET AL-ANNA BATTA ET AL: LEASE ACREAGE 312 AC±; 111 AC±;
 DAVID W. PRICE; HAROLD BURGESS ET UX; CUSSIE LEGGETT: 105 AC±; 29 AC±; 169 AC±;
 S BYRL ROSS ET UX; NATHAN PRIMM ET UX; JOSEPH E. HAUGHT: 195 AC±; 37 AC±; 86 AC±;
 BRICE M BYHAM ET VIR; RUSSEL GRAY ET AL 41 AC±; 225 AC±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) MOD-BH PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 19,600' 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

REFERENCES



06/05/2015

COUNTY NAME PERMIT