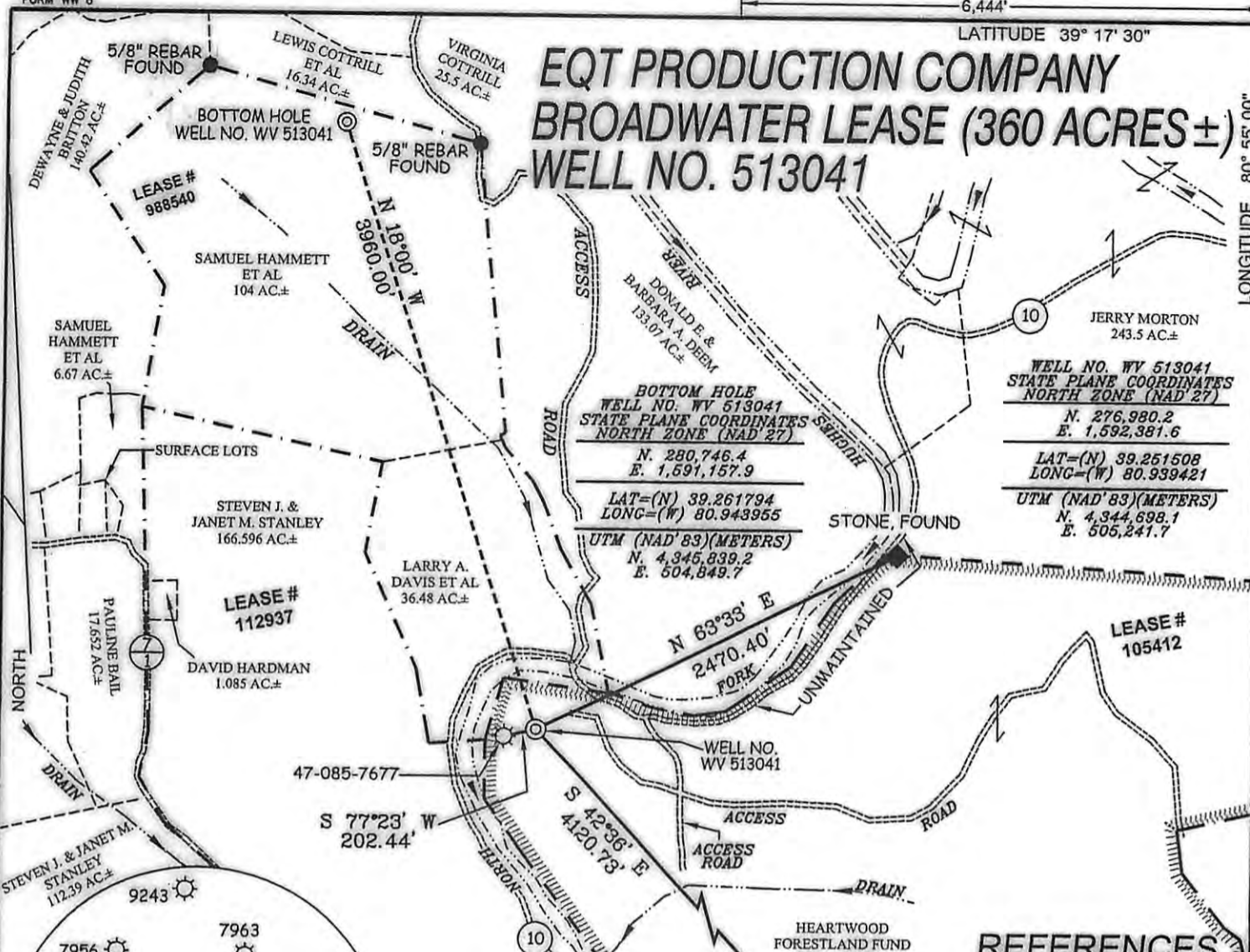
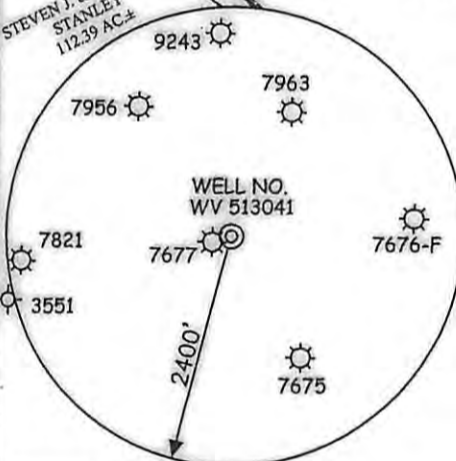


# EQT PRODUCTION COMPANY BROADWATER LEASE (360 ACRES±) WELL NO. 513041



WELL NO. WV 513041  
STATE PLANE COORDINATES  
NORTH ZONE (NAD 27)  
N. 276,980.2  
E. 1,592,381.6  
LAT=(N) 39.251508  
LONG=(W) 80.939421  
UTM (NAD'83)(METERS)  
N. 4,344,698.1  
E. 505,241.7

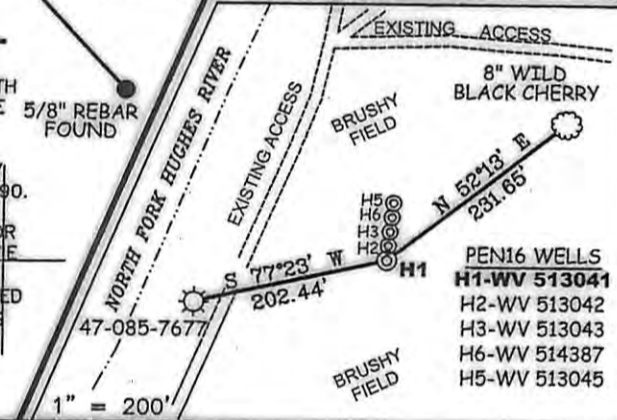
BOTTOM HOLE  
WELL NO. WV 513041  
STATE PLANE COORDINATES  
NORTH ZONE (NAD 27)  
N. 280,746.4  
E. 1,691,157.9  
LAT=(N) 39.261794  
LONG=(W) 80.943955  
UTM (NAD'83)(METERS)  
N. 4,345,839.2  
E. 504,849.7



### NOTES ON SURVEY

1. TIES TO WELLS, CORNERS & REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 197 PAGE 568 AND DEED BOOK 288 PAGE 190.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2011.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK).

### REFERENCES



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 PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE SEPTEMBER 20, 20 12  
OPERATORS WELL NO. WV 513041  
API WELL NO. 47-085-10007 H6A  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7566P513041R2 (329-36)  
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 787.5' (GROUND) - 795' (PROPOSED) WATERSHED NORTH FORK HUGHES RIVER  
DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 353.50±  
ROYALTY OWNER JEFFERSON BROADWATER HEIRS ET AL (360 AC.±), JOELYNN FAMILY PRESERVATION TRUST (140.48 AC. ±)

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

05/31/2013

COUNTY NAME PERMIT



 <small>Professional Energy Consultants a member of International Petroleum Corporation</small>	<b>TOPO SECTION OF:</b> <b>PENNSBORO, WV 7.5' QUAD.</b>			<b>OPERATOR:</b> <b>EQT PRODUCTION COMPANY</b> <b>115 PROFESSIONAL PLACE</b> <b>P.O. BOX 280</b> <b>BRIDGEPORT, WV 26330</b>
	<small>DISTRICT</small>	<small>COUNTY</small>	<small>TAX MAP-PARCEL NO.</small>	
<small>DRAWN BY</small> K.D.W.	<small>FILE NO.</small> 7566	<small>DATE</small> 03-08-13	<small>CADD FILE:</small> 7566W51R1.DWG	CLAY    RITCHIE    31-14