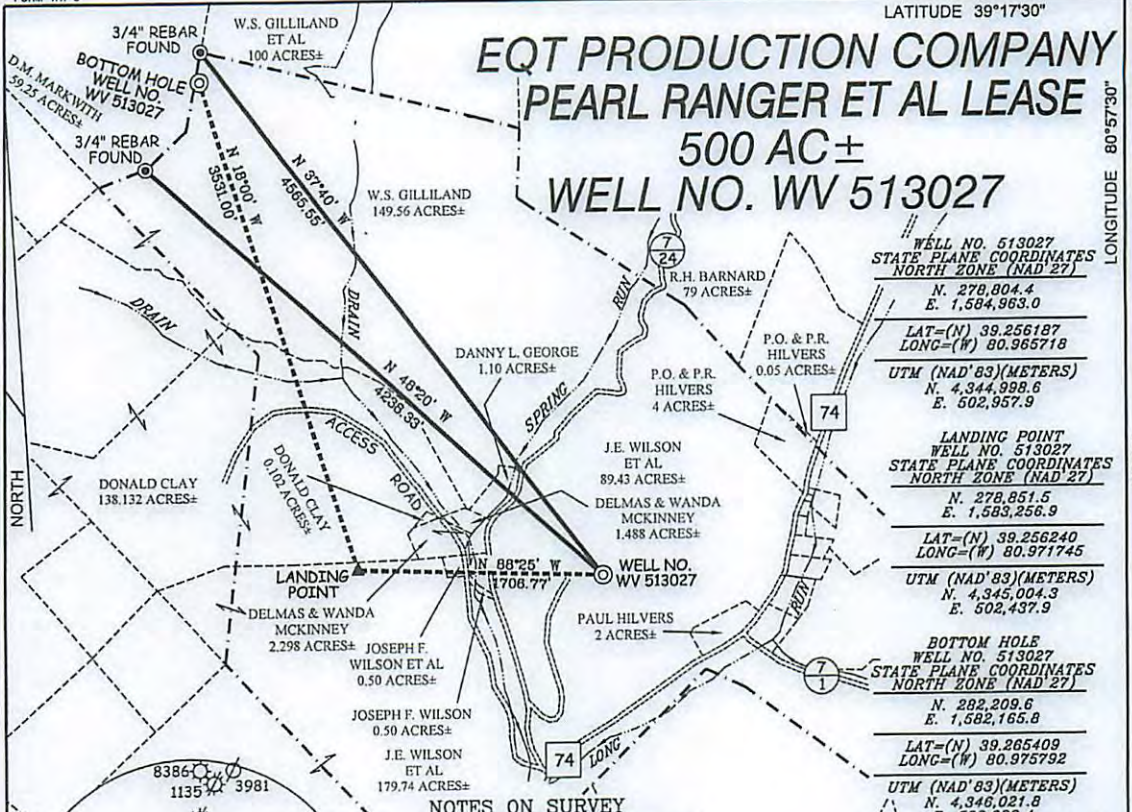
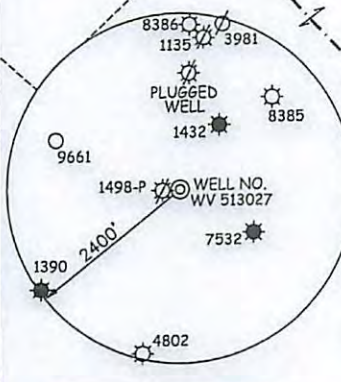


# EQT PRODUCTION COMPANY PEARL RANGER ET AL LEASE 500 AC± WELL NO. WV 513027



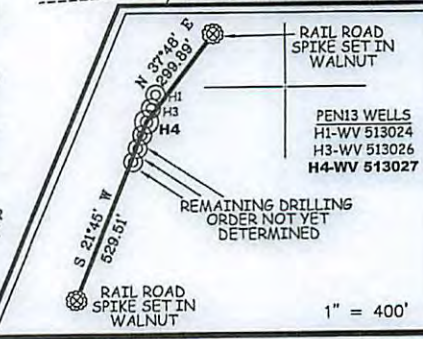
<b>WELL NO. 513027</b>
<b>STATE PLANE COORDINATES</b>
<b>NORTH ZONE (NAD'27)</b>
N. 278,804.4
E. 1,584,963.0
<b>LAT=(N) 39.256187</b>
<b>LONG=(W) 80.965718</b>
<b>UTM (NAD'83)(METERS)</b>
N. 4,344,988.6
E. 502,957.9
<b>LANDING POINT</b>
<b>WELL NO. 513027</b>
<b>STATE PLANE COORDINATES</b>
<b>NORTH ZONE (NAD'27)</b>
N. 278,851.5
E. 1,583,256.9
<b>LAT=(N) 39.256240</b>
<b>LONG=(W) 80.971745</b>
<b>UTM (NAD'83)(METERS)</b>
N. 4,345,004.3
E. 502,437.9
<b>BOTTOM HOLE</b>
<b>WELL NO. 513027</b>
<b>STATE PLANE COORDINATES</b>
<b>NORTH ZONE (NAD'27)</b>
N. 282,209.6
E. 1,582,165.8
<b>LAT=(N) 39.265409</b>
<b>LONG=(W) 80.975792</b>
<b>UTM (NAD'83)(METERS)</b>
N. 4,346,021.8
E. 502,088.4



**NOTES ON SURVEY**

1. TIES TO WELLS, CORNERS, AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON DERIVED FROM BUT NOT LIMITED TO DEED BOOK 225 PAGE 378, DEED BOOK 265 PAGE 489, DEED BOOK 216 PAGE 692, DEED BOOK 47 PAGE 98, DEED BOOK 26 PAGE 568, DEED BOOK 20 PAGE 593, DEED BOOK 97 PAGE 283 AS WELL AS VARIOUS ORIGINAL LAND GRANTS.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2012.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIES 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 JULY 2, 20 12  
 OPERATORS WELL NO. WV 513027  
 API WELL NO. 47 - 85 - 09989 H64  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6256P513027 (335-49)  
 SCALE 1" = 100'  
 PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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

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

LOCATION: ELEVATION 962' (GROUND) 957' (PROPOSED) WATERSHED LONG RUN AND SPRING RUN  
 DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

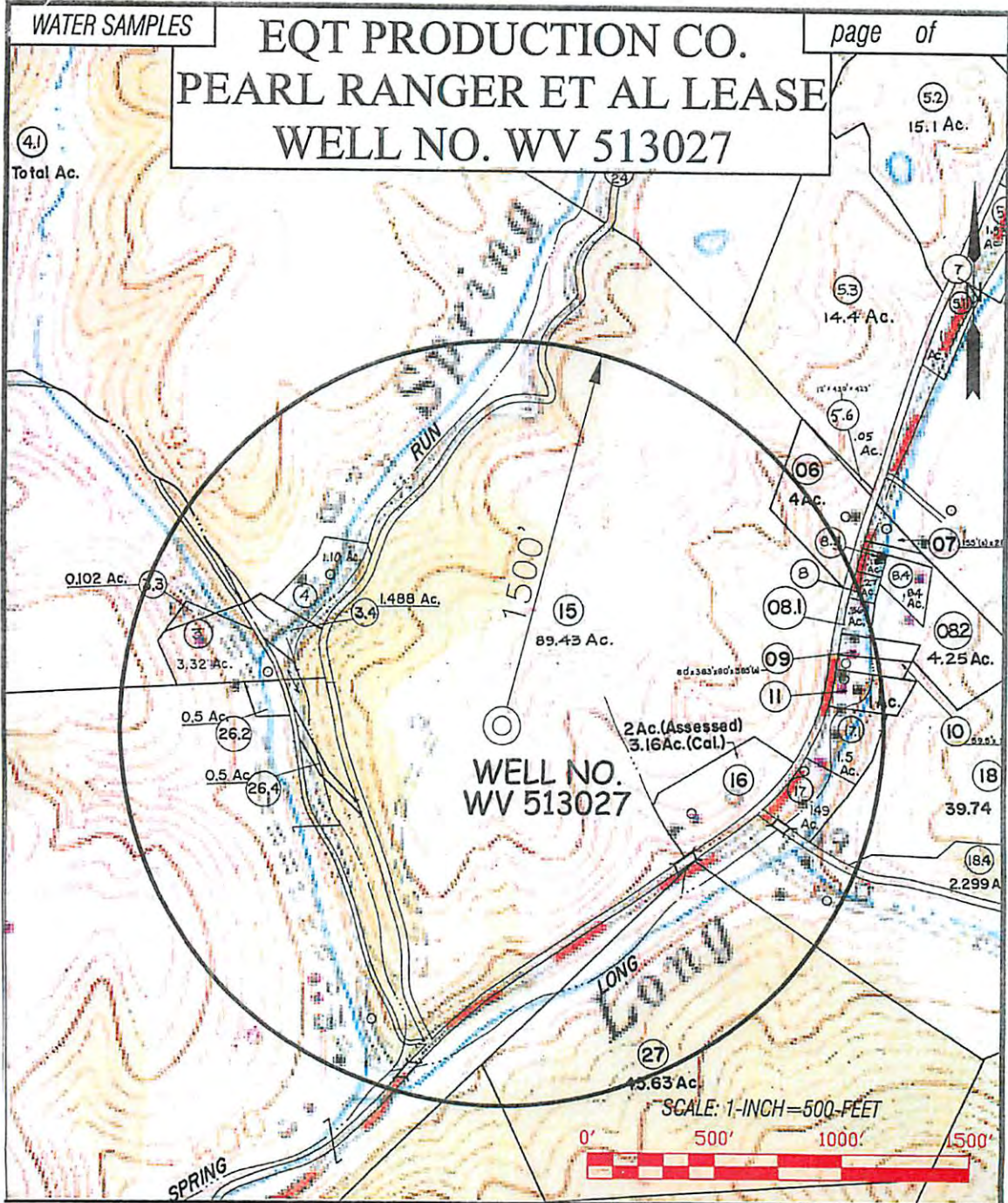
SURFACE OWNER JAMES E. WILSON ET AL ACREAGE 89.43±  
 ROYALTY OWNER MARY JANE WILSON ET AL ACREAGE 500±  
 LEASE NO. 122614

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

03/29/2013



**SLS**  
 SMITH LAND SURVEYING, INC.  
 P.O. BOX 150 GLENVILLE, WV, 26351  
 PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@sourveys.com  
 DRAWN BY: K.D.W. FILE NO: 6256 DATE: 07/06/12 CADD FILE: 6256W513027A.DWG

TOPO SECTION OF:  
 PENNSBORO, WV 7.5' QUAD.

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
CLAY	RITCHIE	30-15

OPERATOR:  
 EQT PRODUCTION CO.  
 115 PROFESSIONAL PLACE  
 P.O. BOX 280  
 BRIDGEPORT, WV. 26330

03/29/2013