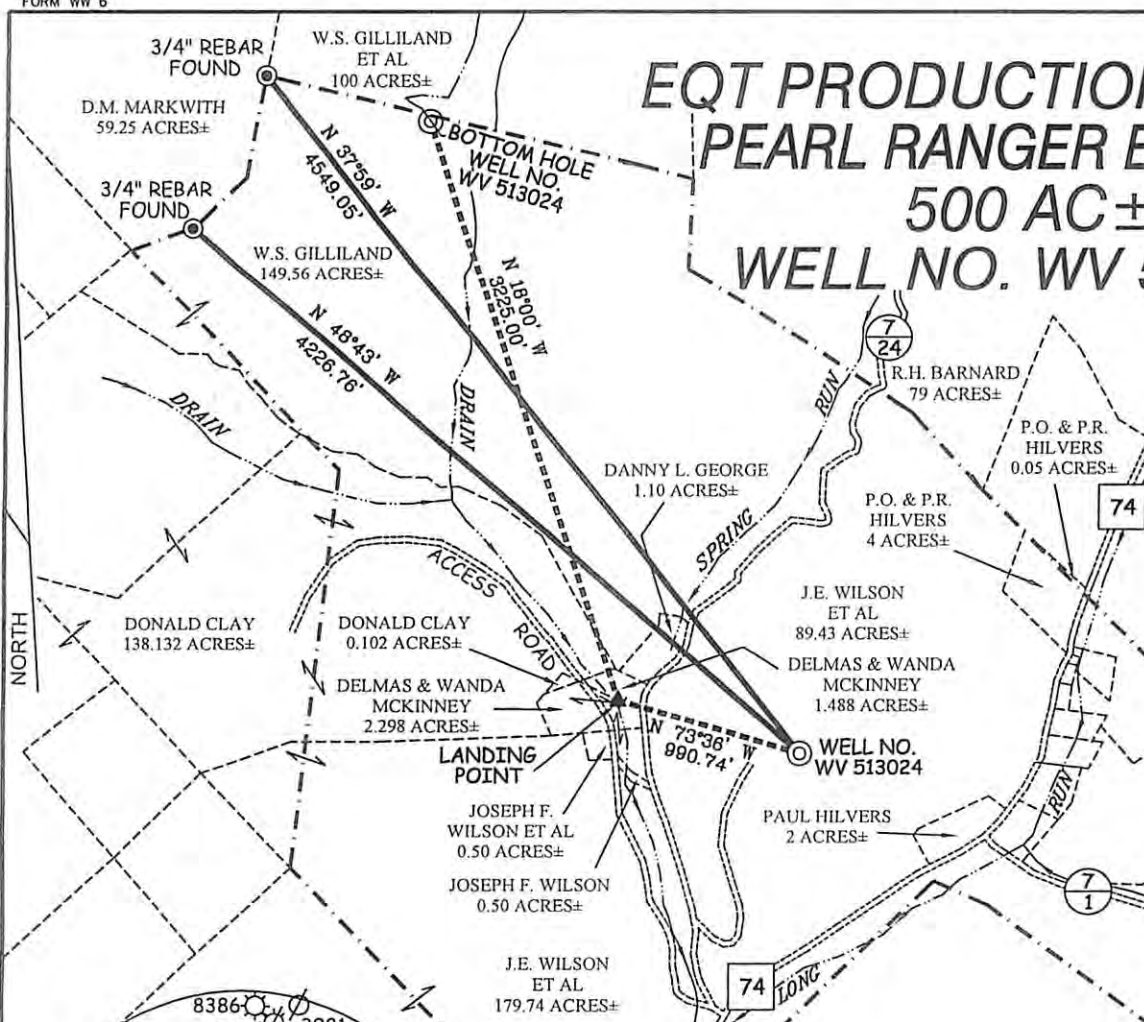


EQT PRODUCTION COMPANY PEARL RANGER ET AL LEASE 500 AC± WELL NO. WV 513024

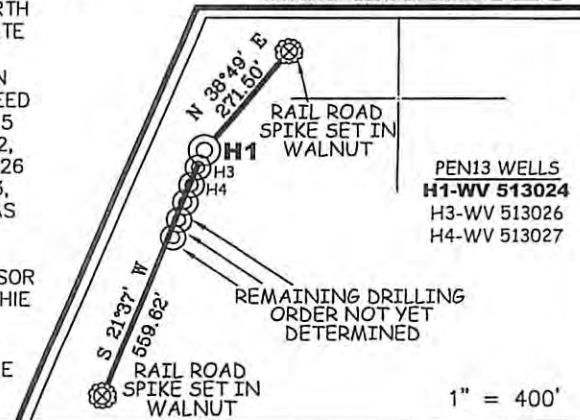


WELL NO. 513024 STATE PLANE COORDINATES NORTH ZONE (NAD'27)
N. 278,832.8 E. 1,584,972.7
LAT=(N) 39.256265 LONG=(W) 80.965686
UTM (NAD'83)(METERS) N. 4,345,007.3 E. 502,960.7
LANDING POINT WELL NO. 513024 STATE PLANE COORDINATES NORTH ZONE (NAD'27)
N. 279,112.4 E. 1,584,022.2
LAT=(N) 39.256990 LONG=(W) 80.969058
UTM (NAD'83)(METERS) N. 4,345,087.6 E. 502,869.7
BOTTOM HOLE WELL NO. 513024 STATE PLANE COORDINATES NORTH ZONE (NAD'27)
N. 282,179.6 E. 1,583,025.6
LAT=(N) 39.265366 LONG=(W) 80.972754
UTM (NAD'83)(METERS) N. 4,346,017.0 E. 502,350.5

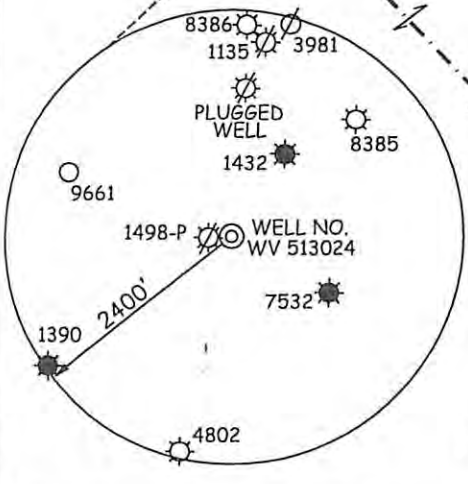
NOTES ON SURVEY

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

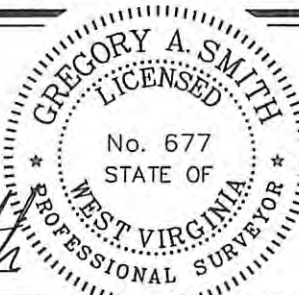


PEN13 WELLS
H1-WV 513024
H3-WV 513026
H4-WV 513027



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 513024
 API WELL NO. 47 - 85 - 09983 HGA
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 6256P513024 (335-49)
 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 INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

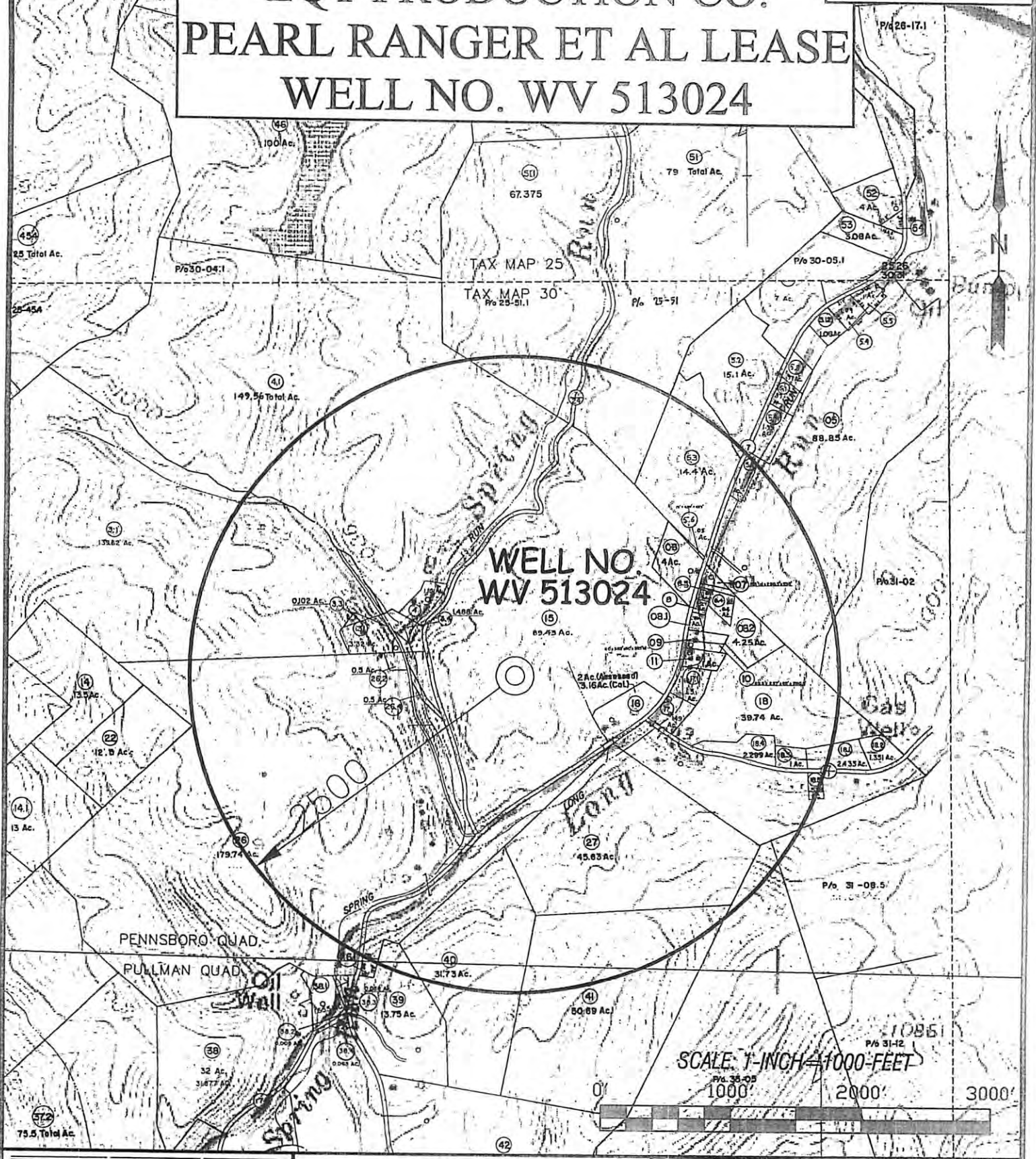
LOCATION: ELEVATION 963' (GROUND) 957' (PROPOSED) WATERSHED LONG RUN AND SPRING RUN
 DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

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

11/30/2012

PEARL RANGER ET AL LEASE
WELL NO. WV 513024



SLS
 SMITH LAND SURVEYING, INC.
 P.O. BOX 150 GLENVILLE, WV, 26351
 PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@slssurveys.com
 DRAWN BY: K.D.W. FILE NO.: 6256 DATE: 07/06/12 CADD FILE: 6256WSS13024.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