

A	JERRY MORTON ET AL	243.50 AC±	TM 31-05
B	JUDITH & JO ANN ROBINSON	106.265 AC±	TM 31-22
C	JANICE WILLIAMS	1.715 AC±	TM 26-58.2
D	JANICE WILLIAMS	111.876 AC±	TM 26-58.9
E	EQT PRODUCTION COMPANY	46.63 AC±	
F	WILLIAM & JANET BROADWATER	37.565 AC±	
G	WILLIAM & JANET BROADWATER	107 AC±	
H	WEST VIRGINIA RAILROAD MAINTENANCE AUTHORITY	P/O 1141.03 AC±	

**EQT PRODUCTION COMPANY  
FLANAGAN LEASE**

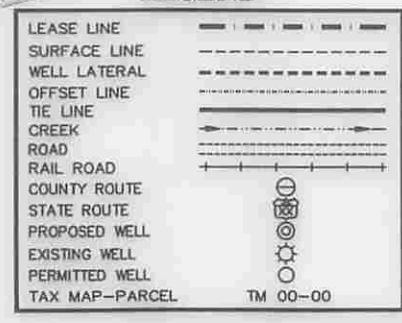
**268 ACRES±  
WELL NO. WV 514474**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD'27 S.P.C.(FT) N. 279,215.27 E. 1595775.03  
 NAD'27 GEO. LAT-(N) 39.257793 LONG-(W) 80.927565  
 NAD'83 UTM (M) N. 4,345,396.29 E. 506,264.11

**LANDING POINT**  
 NAD'27 S.P.C.(FT) N. 279,606.13 E. 1,595,463.23  
 NAD'27 GEO. LAT-(N) 39.258852 LONG-(W) 80.928688  
 NAD'83 UTM (M) N. 4,345,513.78 E. 506,167.14

**BOTTOM HOLE**  
 NAD'27 S.P.C.(FT) N. 282,896.79 E. 1,594,394.03  
 NAD'27 GEO. LAT-(N) 39.267839 LONG-(W) 80.932648  
 NAD'83 UTM (M) N. 4,346,510.83 E. 505,824.67

**LEGEND**

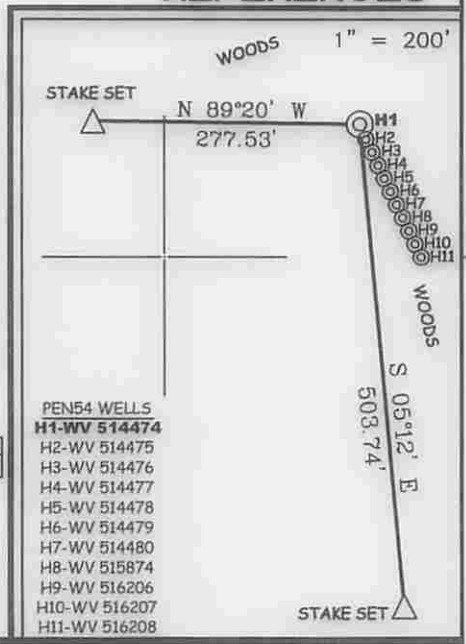


ROYALTY OWNERS		
MARY-LEE AZELVANDRE ET AL	500 AC±	LEASE NO. 114193

**NOTES ON SURVEY**

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.

**REFERENCES**



**Professional Energy Consultants**  
 A DIVISION OF SMITH LAND SURVEYING, INC.  
  
 SURVEYORS  
 ENGINEERS  
 ENVIRONMENTAL  
 PROJECT MGMT.  
 (204) 482-5634 WWW.SLSURVEYS.COM



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 JUNE 1 , 20 15  
 REVISED \_\_\_\_\_ , 20 \_\_\_\_\_  
 OPERATORS WELL NO. WV 514474  
 API WELL NO. 47 - 085 - 10222 H06A  
 STATE            COUNTY            PERMIT           

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8083P514474  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)  
 SCALE 1" = 2000'

**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: GROUND PROPOSED  
 ELEVATION 1,016' 1,016' WATERSHED NORTH FORK HUGHES RIVER  
 DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER JERRY MORTON ET AL ACREAGE 243.50±  
 ROYALTY OWNER ELLEN S. FRANCAVIGLIA ET AL ACREAGE 268±  
 PROPOSED WORK: LEASE NO. 105403

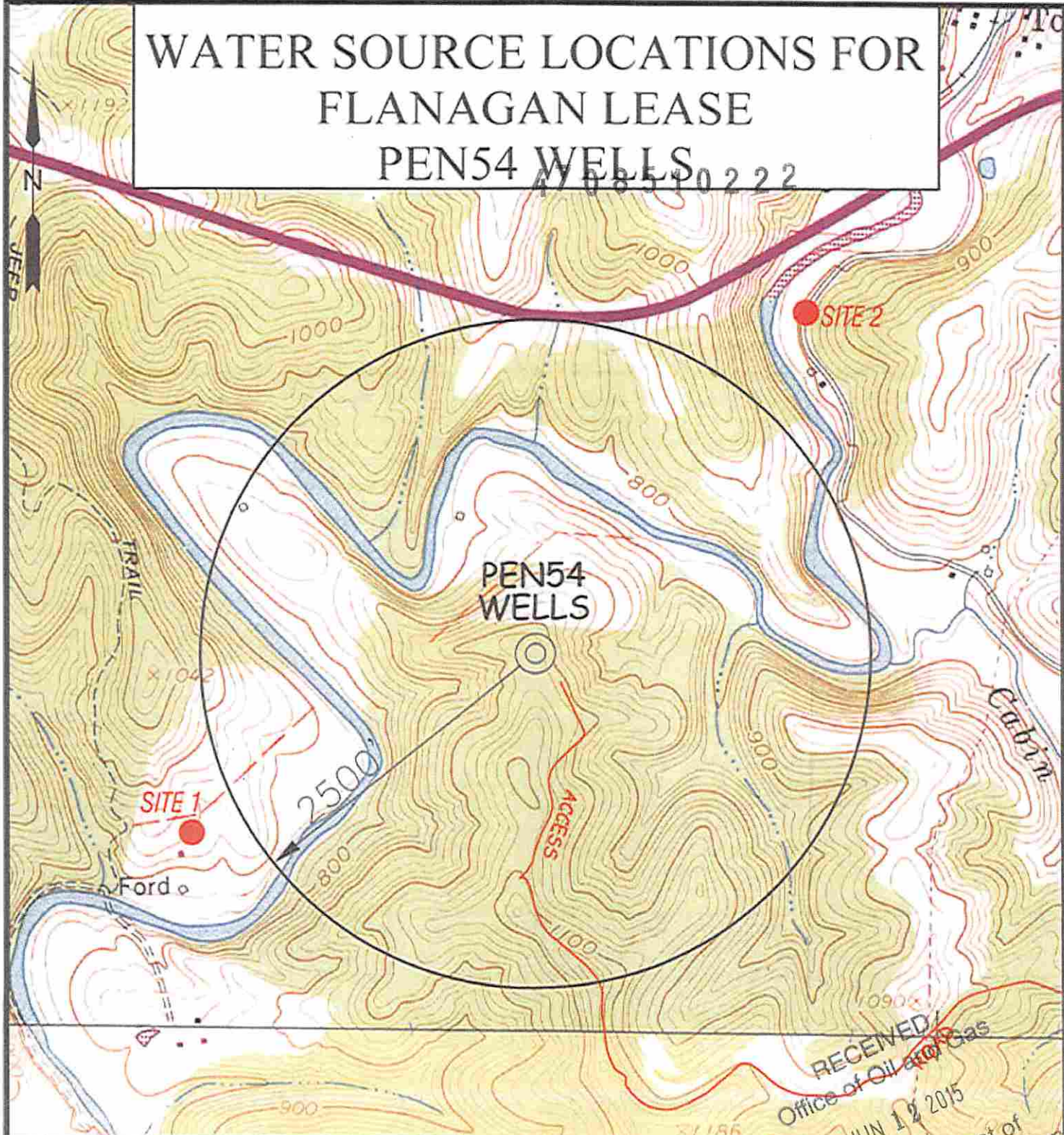
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
 ESTIMATED DEPTH TVD 6,275'

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

08/21/2015

# WATER SOURCE LOCATIONS FOR FLANAGAN LEASE PEN54 WELLS



SCALE: 1-INCH=1000-FEET



RECEIVED  
Office of Oil and Gas  
JUN 12 2015  
WV Department of Environmental Protection  
LEGEND  
WATER WELL

**Professional Energy Consultants**  
A DIVISION OF SMITHLAND SURFACIAL, INC.  
**SLS**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

DRAWN BY: K.D.W.  
FILE NO.: 8083  
DATE: 06/02/15  
CADD FILE: 8083PEN54.dwg

TOPO SECTION OF:  
PENNSBORO, WV 7.5' QUAD

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
CLAY	RITCHIE	31-09

OPERATOR:  
EQT PRODUCTION COMPANY  
115 PROFESSIONAL PLACE  
P.O. BOX 280  
BRIDGEPORT, WV 26930

08/21/2015