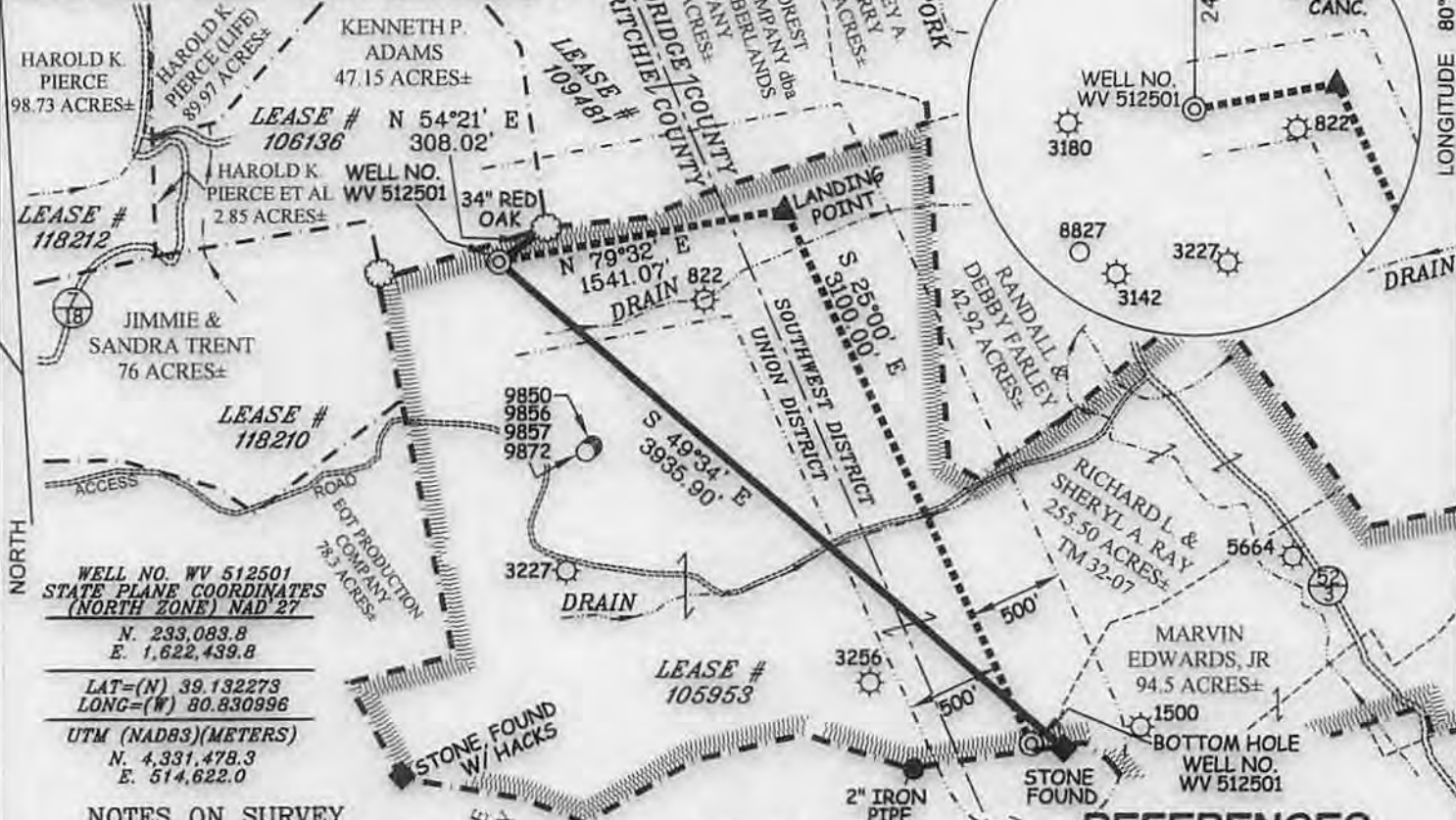


# EQT PRODUCTION COMPANY W.M. ADAMS LEASE WELL NO. WV 512501

LATITUDE 39°10'00"

LONGITUDE 80°47'30"



**WELL NO. WV 512501  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD '27**  
N. 233,083.8  
E. 1,622,439.8  
  
LAT=(N) 39.132273  
LONG=(W) 80.830996  
  
UTM (NAD83)(METERS)  
N. 4,331,478.3  
E. 514,622.0

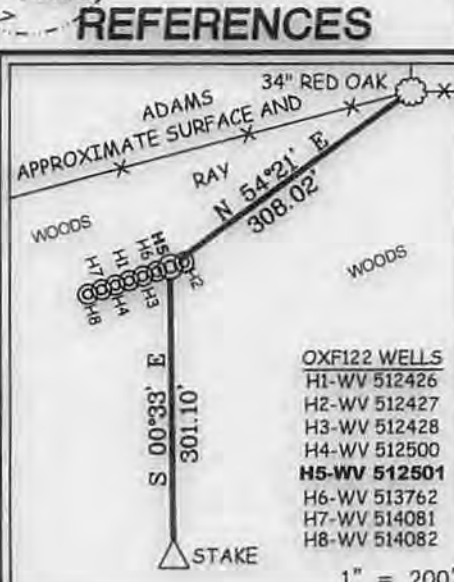
**NOTES ON SURVEY**

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 79 PAGE 563 AND ADJOINING DEEDS.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE & RITCHIE COUNTY IN JULY, 2013.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIE TO CORS NETWORK).
5. NO WATER WELLS WERE FOUND WITHIN 250 FEET OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS (GREATER THAN 2500 SQUARE FEET) OR DWELLINGS WERE FOUND WITHIN 625 FEET OF CENTER OF PROPOSED PAD.
6. PLAT DATED 11/18/09 REVISED 11/18/13 & 12/12/13 TO SHOW NEW COORDINATES ETC.



**LANDING POINT  
WELL NO. WV 512501  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD '27**  
N. 233,363.8  
E. 1,623,955.2  
  
LAT=(N) 39.133103  
LONG=(W) 80.825669  
  
UTM (NAD83)(METERS)  
N. 4,331,571.4  
E. 515,082.3

**BOTTOM HOLE  
WELL NO. WV 512501  
STATE PLANE COORDINATES  
(NORTH ZONE) NAD '27**  
N. 230,554.3  
E. 1,625,265.3  
  
LAT=(N) 39.125443  
LONG=(W) 80.820905  
  
UTM (NAD83)(METERS)  
N. 4,330,722.1  
E. 515,495.7



**OXF122 WELLS**

H1-WV 512426
H2-WV 512427
H3-WV 512428
H4-WV 512500
<b>H5-WV 512501</b>
H6-WV 513762
H7-WV 514081
H8-WV 514082

1" = 200'

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 DECEMBER 12, 20 13  
OPERATORS WELL NO. WV 512501  
API WELL NO. 47 - 085 - 10086 H6A  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6811P512501R  
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIES TO CORS NETWORK) SCALE 1" = 1,000'

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 1,123'(GROUND) 1,111'(PROPOSED) WATERSHED STRAIGHT FORK  
DISTRICT UNION COUNTY RITCHIE QUADRANGLE OXFORD 7.5'  
SURFACE OWNER RICHARD L. & SHERYL A. RAY ACREAGE 255.50±  
ROYALTY OWNERS HAUGHT FAMILY TRUST, ET AL (402 AC.±)  
PROPOSED WORK: LEASE NO. 105953  
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 SHALE  
ESTIMATED DEPTH TVD 6497 TMD 10968

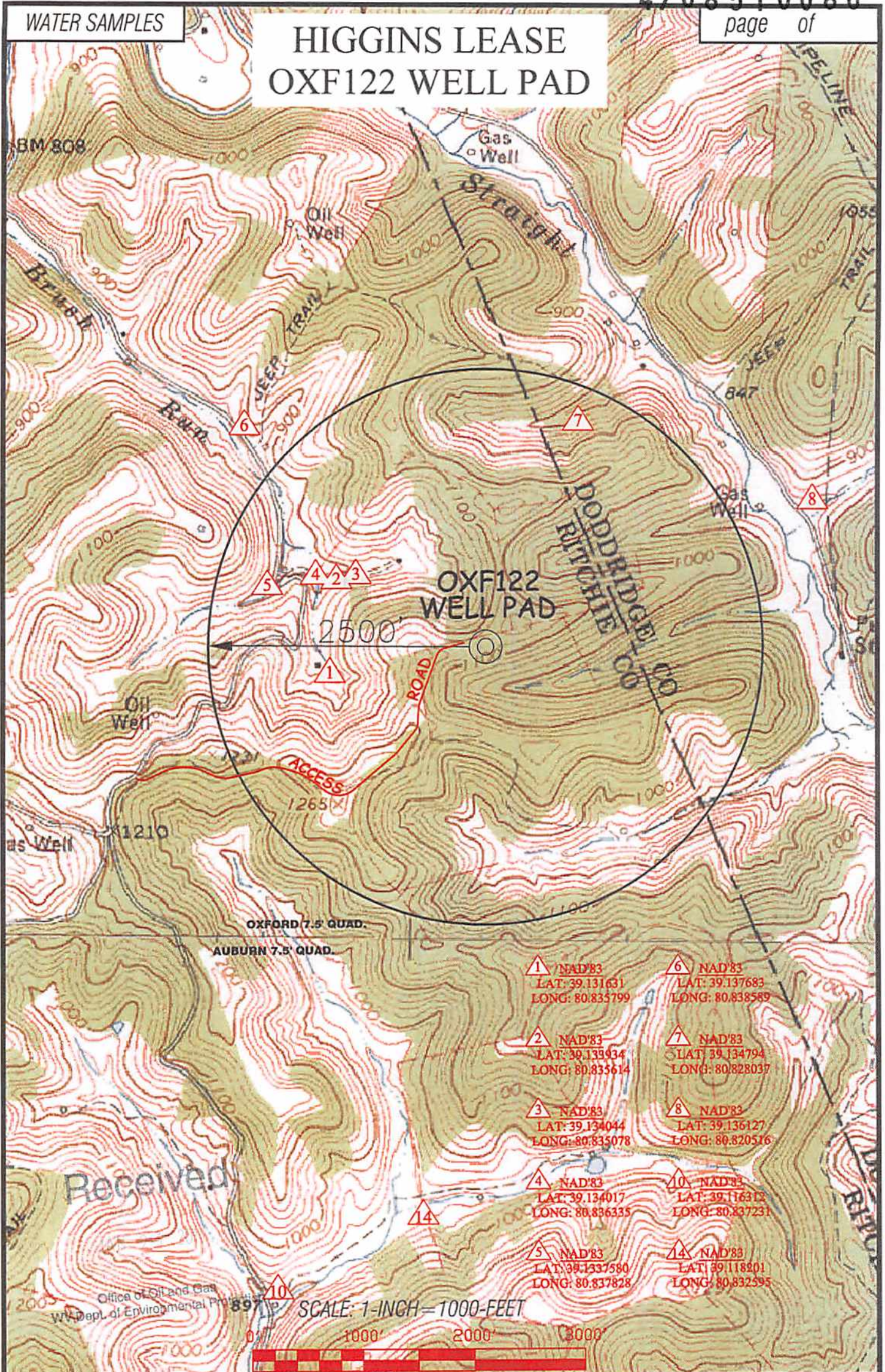
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

04/11/2014



WATER SAMPLES

# HIGGINS LEASE OXF122 WELL PAD



1 NAD'83 LAT: 39.131631 LONG: 80.835799	6 NAD'83 LAT: 39.137683 LONG: 80.838589
2 NAD'83 LAT: 39.139934 LONG: 80.835614	7 NAD'83 LAT: 39.134794 LONG: 80.828037
3 NAD'83 LAT: 39.134044 LONG: 80.835078	8 NAD'83 LAT: 39.136127 LONG: 80.820516
4 NAD'83 LAT: 39.134017 LONG: 80.836335	10 NAD'83 LAT: 39.116312 LONG: 80.837231
5 NAD'83 LAT: 39.1337580 LONG: 80.837828	14 NAD'83 LAT: 39.118201 LONG: 80.832595

Received

SCALE: 1-INCH=1000-FEET



**Professional Energy Consultants**  
A DIVISION OF SMITHLAND SURVEYING, INC.

**SLS**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

(304) 462-9634  
WWW.SLSURVEYS.COM

DRAWN BY: K.D.W. FILE NO.: 6811 DATE: 01/03/14 CADD FILE: 6811WSOXF122

TOPO SECTION OF:  
OXFORD, WV 7.5' QUAD.

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
UNION	RITCHIE	32-07

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