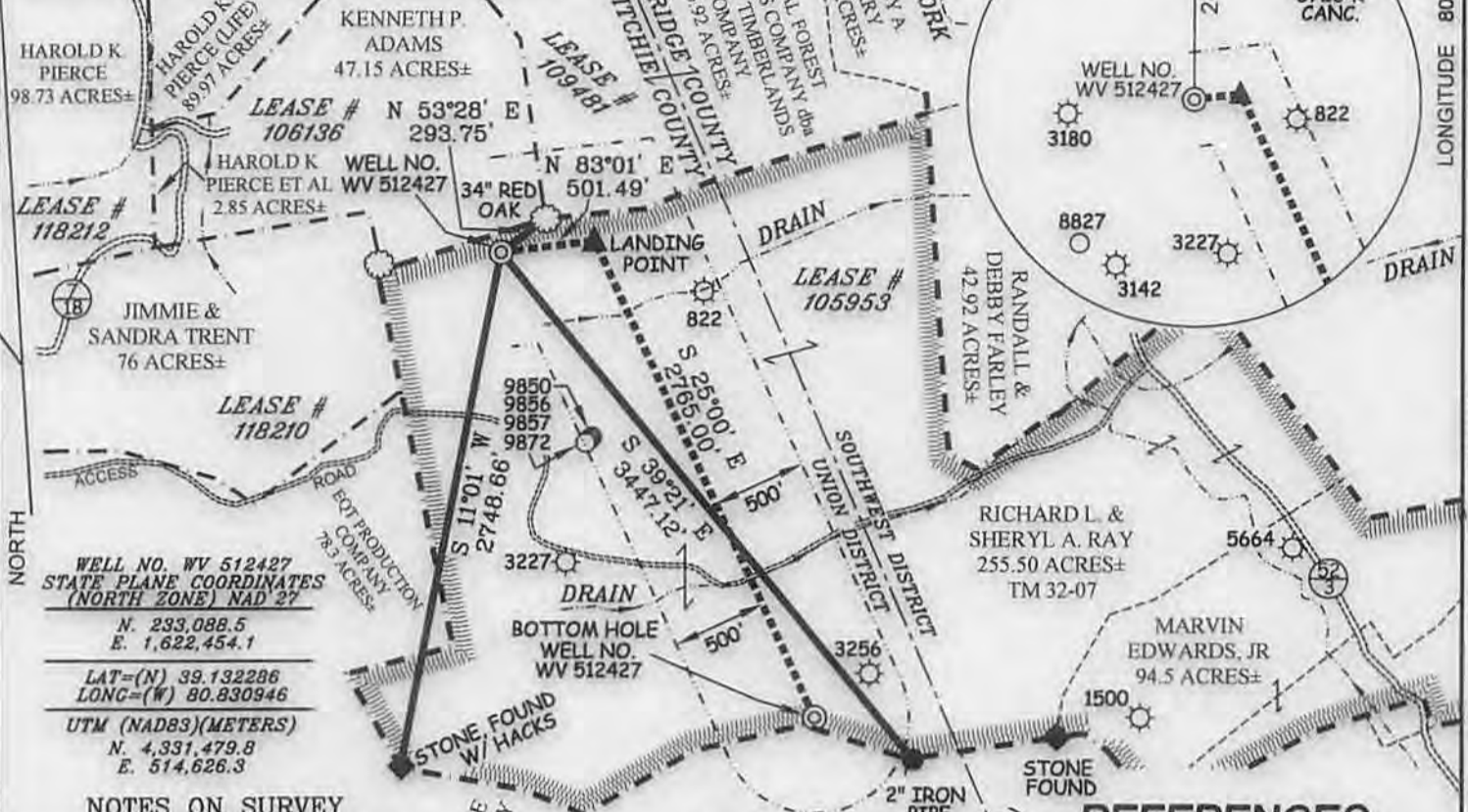


EQT PRODUCTION COMPANY W.M. ADAMS LEASE WELL NO. WV 512427

LATITUDE 39°10'00"

LONGITUDE 80°47'30"



WELL NO. WV 512427
STATE PLANE COORDINATES
(NORTH ZONE) NAD 27
N. 233,088.5
E. 1,622,454.1

LAT=(N) 39.132286
LONG=(W) 80.830946

UTM (NAD83)(METERS)
N. 4,331,479.8
E. 514,626.3

LANDING POINT
WELL NO. WV 512427
STATE PLANE COORDINATES
(NORTH ZONE) NAD 27
N. 233,149.4
E. 1,622,951.8

LAT=(N) 39.132474
LONG=(W) 80.829194

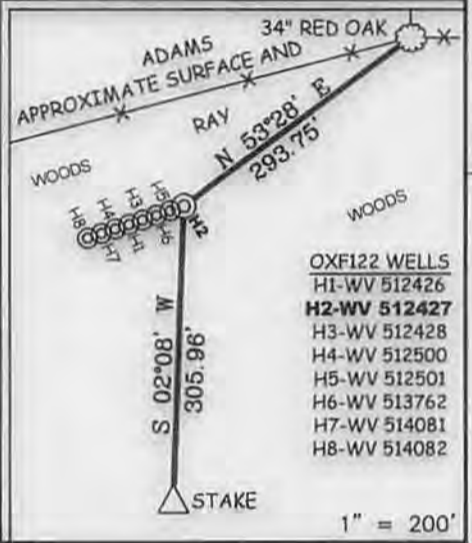
UTM (NAD83)(METERS)
N. 4,331,500.9
E. 514,777.7

BOTTOM HOLE
WELL NO. WV 512427
STATE PLANE COORDINATES
(NORTH ZONE) NAD 27
N. 230,643.5
E. 1,624,120.4

LAT=(N) 39.125641
LONG=(W) 80.824945

UTM (NAD83)(METERS)
N. 4,330,743.4
E. 515,146.4

REFERENCES



- OXF122 WELLS
H1-WV 512426
H2-WV 512427
H3-WV 512428
H4-WV 512500
H5-WV 512501
H6-WV 513762
H7-WV 514081
H8-WV 514082

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. ORIGINAL PLAT DATED 03/01/10 (API 9850 & 9872) REVISED 11/15/2013 & 12/12/13 TO SHOW NEW COORDINATES ETC.



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 512427
API WELL NO. 47 - 085 - 10087 H6A
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6811P512427R
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



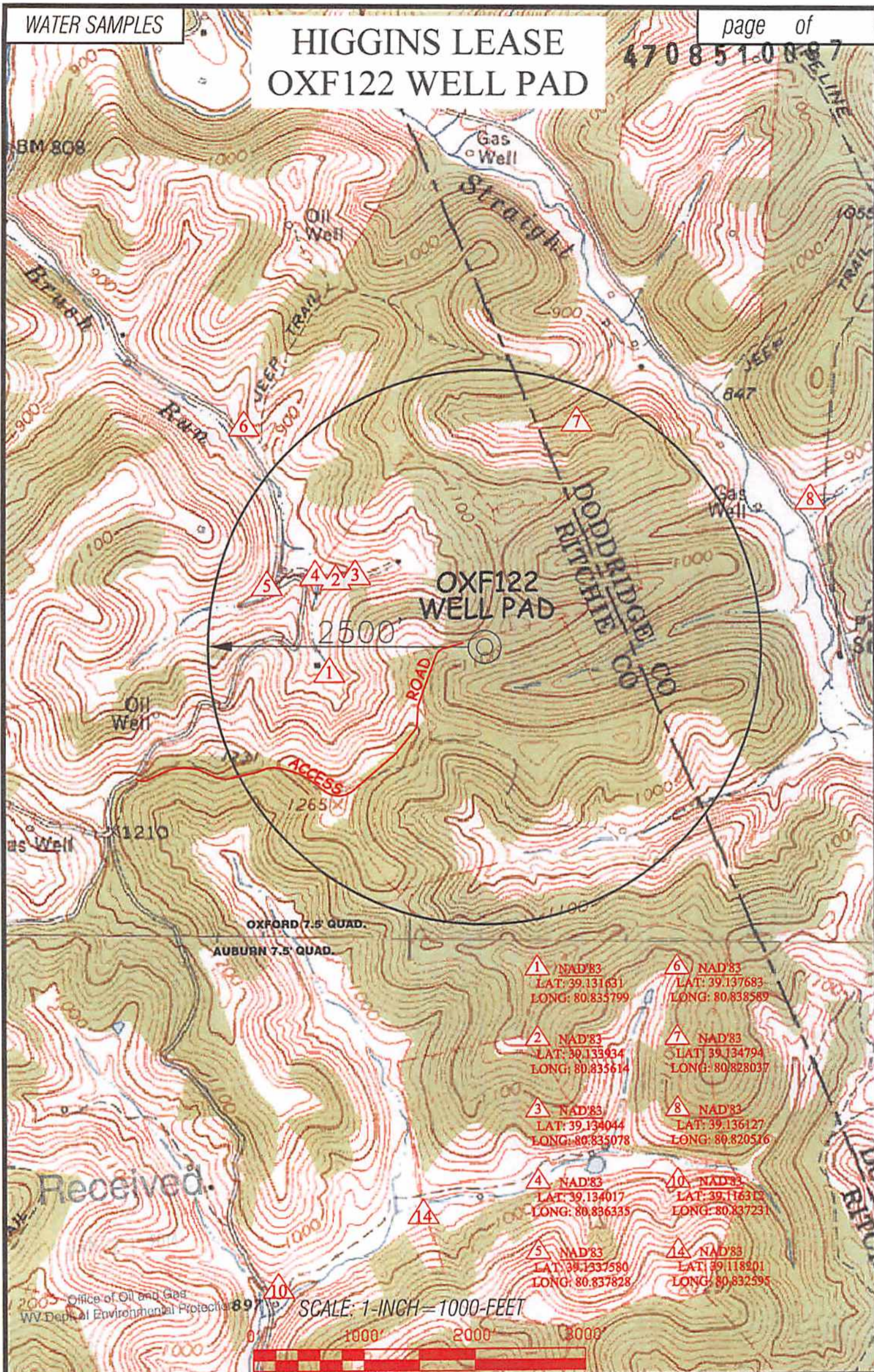
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

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 TTD 10283

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**

COUNTY NAME PERMIT

HIGGINS LEASE OXF122 WELL PAD



- 1 NAD'83
LAT: 39.131631
LONG: 80.835799
- 2 NAD'83
LAT: 39.133934
LONG: 80.835614
- 3 NAD'83
LAT: 39.134044
LONG: 80.835078
- 4 NAD'83
LAT: 39.134017
LONG: 80.836335
- 5 NAD'83
LAT: 39.1337580
LONG: 80.837828
- 6 NAD'83
LAT: 39.137683
LONG: 80.838589
- 7 NAD'83
LAT: 39.134794
LONG: 80.828037
- 8 NAD'83
LAT: 39.136127
LONG: 80.820516
- 10 NAD'83
LAT: 39.116312
LONG: 80.837231
- 14 NAD'83
LAT: 39.118201
LONG: 80.832595

SCALE: 1-INCH=1000-FEET



Office of Oil and Gas
WV Dept. of Environmental Protection

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