

ROYALTY OWNERS		
B.M. PIERCE ET UX	84.50 AC.±	LEASE NO. 118210
CRAIG H. WILLIAMS	243.83 AC.±	LEASE NO. 987447
J.P. SMITH ET UX	130 AC.±	LEASE NO. 107857
DONALD SHEETS ET AL	82.10 AC.±	LEASE NO. 988339

NOTES ON SURVEY

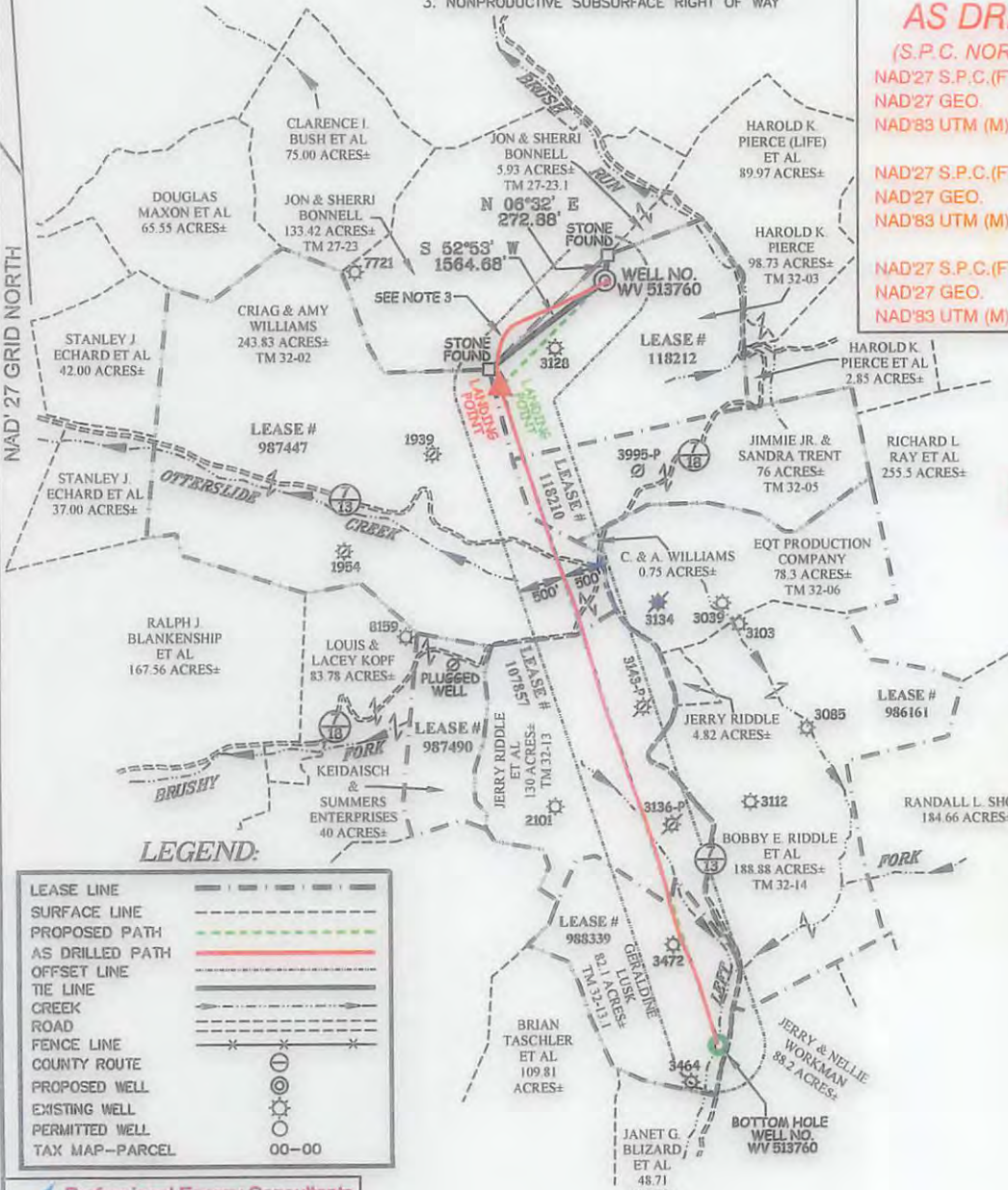
1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. AS DRILLED INFORMATION PROVIDED BY EQT.
3. NONPRODUCTIVE SUBSURFACE RIGHT OF WAY

**EQT PRODUCTION COMPANY
J.E. PIERCE ET AL LEASE
108 (98.73±) ACRES±
WELL NO. WV 513760
(OXF163 H5)**

AS DRILLED COORDINATES

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

COORDINATE SYSTEM	N	E
NAD'27 S.P.C.(FT)	N. 234,456.0	E. 1,619,086.0
NAD'27 GEO.	LAT-(N) 39.135903	LONG-(W) 80.842890
NAD'83 UTM (M)	N. 4,331,879.3	E. 513,593.3
LANDING POINT		
NAD'27 S.P.C.(FT)	N. 233,338.9	E. 1,617,952.5
NAD'27 GEO.	LAT-(N) 39.132776	LONG-(W) 80.846826
NAD'83 UTM (M)	N. 4,331,531.7	E. 513,253.7
BOTTOM HOLE		
NAD'27 S.P.C.(FT)	N. 226,278.0	E. 1,620,240.6
NAD'27 GEO.	LAT-(N) 39.113499	LONG-(W) 80.838390
NAD'83 UTM (M)	N. 4,329,393.8	E. 513,986.7



SUBSURFACE AGREEMENT
JOHN M. & SHERRI L. BONNELL 133.42 AC.± TM 27-23

LEGEND:

LEASE LINE	---
SURFACE LINE	----
PROPOSED PATH	---
AS DRILLED PATH	---
OFFSET LINE	---
TIE LINE	---
CREEK	---
ROAD	---
FENCE LINE	---
COUNTY ROUTE	---
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP--PARCEL	00-00

Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING, INC.
SLS 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. 2288 *Earl N. Thompson*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JUNE 3, 20 14
REVISED 08/22/14, 10/27/14, 10/31/14, 02/04/15, 05/19/15, 12/03/15, 05/16/16 & 06/03/16
OPERATORS WELL NO. WV 513760
API WELL NO. 47-085-10136H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7698AD513760R2
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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION:
PAD ELEVATION 1,158.4' WATERSHED BRUSH RUN OF MIDDLE FORK
DISTRICT UNION COUNTY RITCHIE QUADRANGLE OXFORD 7.5'
SURFACE OWNER HAROLD K. PIERCE ACREAGE 98.73±
ROYALTY OWNER J.E. PIERCE ET AL ACREAGE 108± (98.73±)
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 6495'

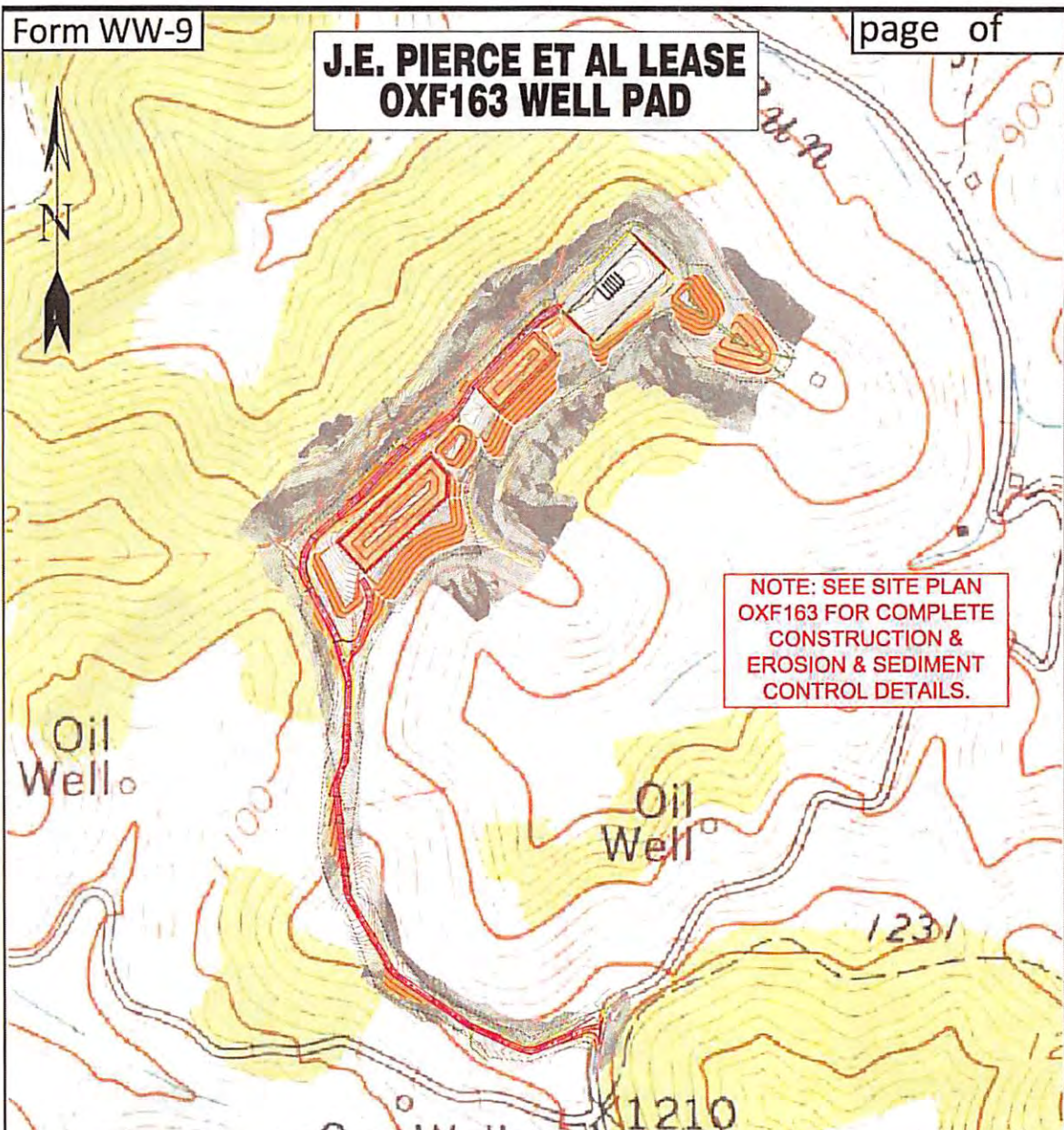
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

LONGITUDE 80°50'00" COUNTY NAME PERMIT

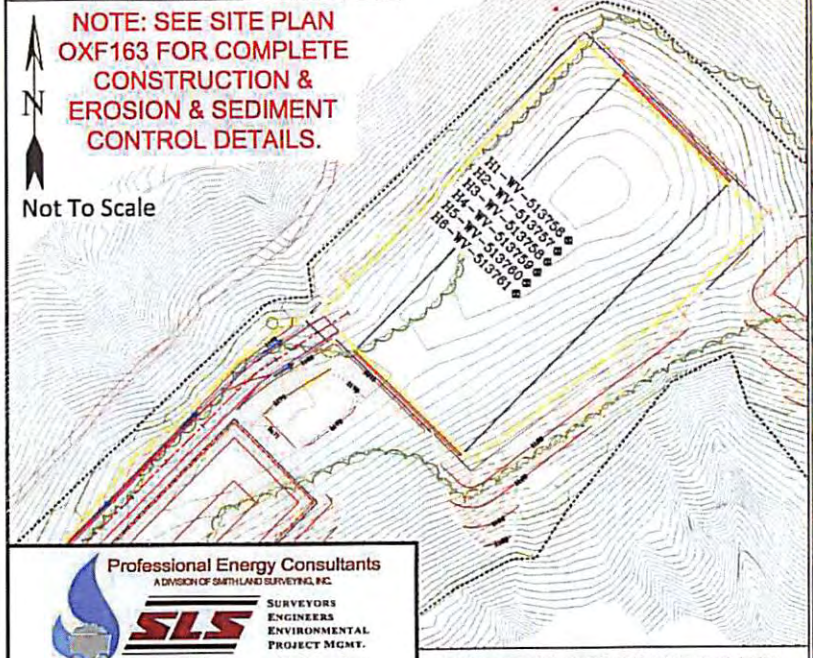
01/06/2017

J.E. PIERCE ET AL LEASE OXF163 WELL PAD

085-
10136



Detail Sketch for Proposed OXF163 Wells



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Office of Oil and Gas
JUN 10 2016
WV Department of
Environmental Protection

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TOPO SECTION OF OXFORD 7.5' AND AUBURN 7.5' USGS TOPO QUADRANGLE

01/06/2017