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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, June 12, 2018  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / Horizontal 6A Well - 1

EQT PRODUCTION COMPANY  
625 LIBERTY AVE., SUITE 1700  
  
PITTSBURGH, PA 15222

Re: Permit Modification Approval for 516235  
47-017-06747-00-00

**Modified the landing point**

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

A blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: 516235  
Farm Name: WETZEL, CATHY  
U.S. WELL NUMBER: 47-017-06747-00-00  
Horizontal 6A Horizontal 6A Well - 1  
Date Modification Issued: June 12, 2018

Promoting a healthy environment.



47 017 06747  
m00

September 26, 2017

Laura Adkins  
West Virginia Department of Environmental Protection  
601 57th Street SE  
Charleston, WV 25304

Re: Modification of 47-017-06747

Dear Ms. Adkins,

Attached is a modification for the above API number. The landing point was adjusted.

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Vicki L'.

Vicki Roark  
Regional Land Supervisor

Enc.

RECEIVED  
Office of Oil and Gas

SEP 27 2017

WV Department of  
Environmental Protection

12,148' LATITUDE: 39°10'00" TH

3,080' LATITUDE: 39°12'30" BH

**H27 - WV 516235**  
**OXF43**  
**EQT Production Company**

**LEGEND**

- ☆ EXISTING OIL/GAS WELL
- ⊙ WATER FEATURE
- ⊙ WELL HEAD TOP HOLE
- ⊙ WELL LANDING POINT
- ⊙ WELL BOTTOM HOLE
- REBAR FOUND
- WELL LATERAL LINE
- LEASE BOUNDARY
- PROPERTY LINE
- STREAM
- 500' LATERAL COLLECTION BUFFER

NO.	ADJACENT OWNER
4	MORRIS I L IKE
7	HUFF WILLIAM LEE
32	MICHAEL D & SUSAN H ZORN
33	MATHENY M & PATRICIA M CARLTON
34	CHARLES WALTER MUNCHMORE
35	UNKNOWN
36	CHARLES WALTER MUNCHMORE

NO.	SURFACE OWNER
1	CHARLES R & EVELYN GREATHOUSE GAPN
2	JAMES P GREATHOUSE
3	CATHY JEAN WETZEL ETAL
5	HUFF RANDY E DECEDENT'S BETTY M. RYAN
14	EDWARD DALE PRUNTY
17	EDRA LOUISE GRIMM
18	EDRA LOUISE GRIMM
19	RANDALL L GRIMM
26	UNITED STATES OF AMERICA
27	EDWARD & GINA BASSETT
28	EDWARD & GINA BASSETT
29	CARLTON W & PATRICIA MATHENY
30	MARIAN G ZORN

**WV 516235 Well Point Coordinates**

**Top Hole Coordinates**

NAD 27 S.P.C. (Ft.)	N: 241,983.168	E: 1,633,343.648
NAD 27 GEO	LAT: 39.157141	LONG: 80.793014
NAD 83 UTM 17N (M)	N 4,334,245.0	E: 517,898.6
NAD 83 S.P.C. (Ft.)	N 242,018.5	E: 1,601,902.8

**Landing Point Coordinates**

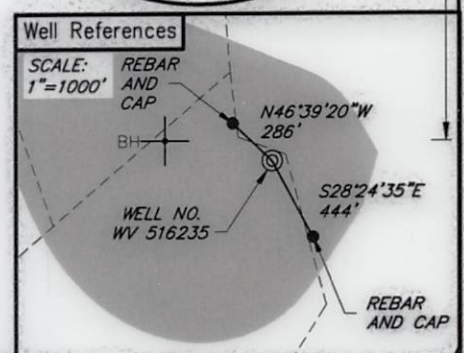
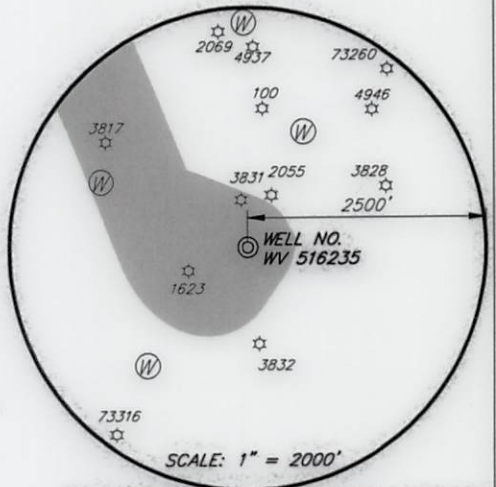
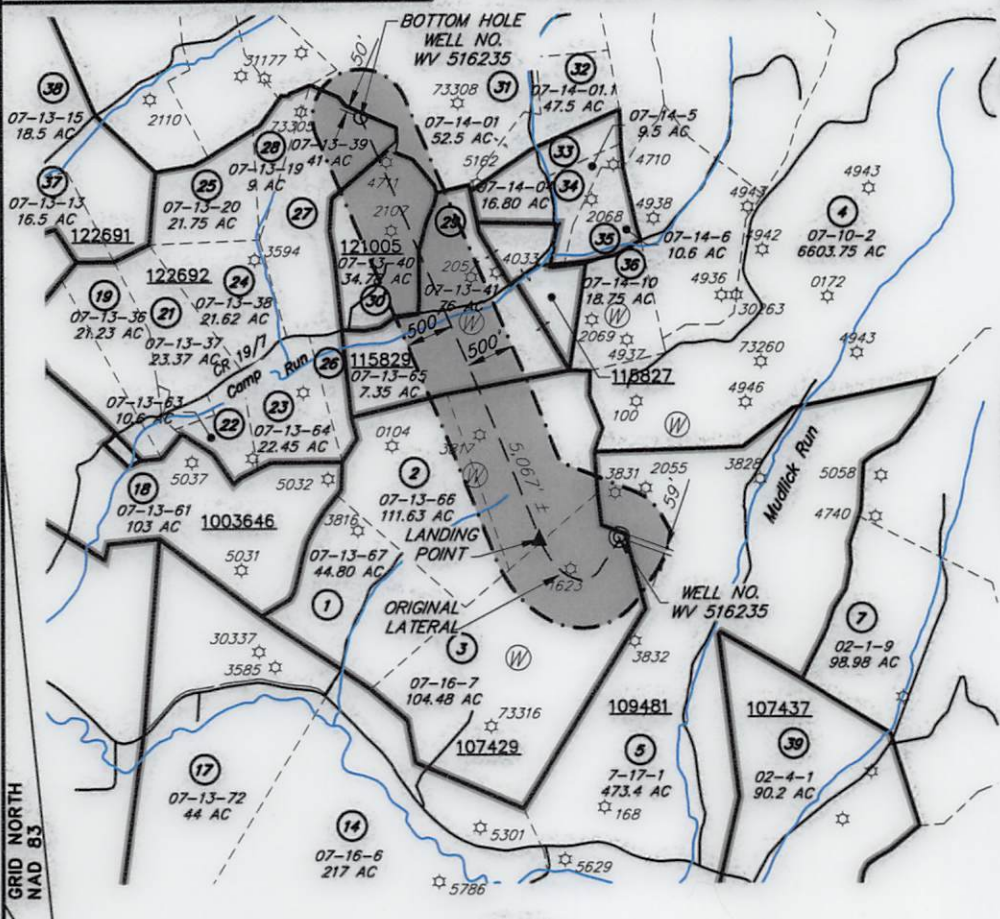
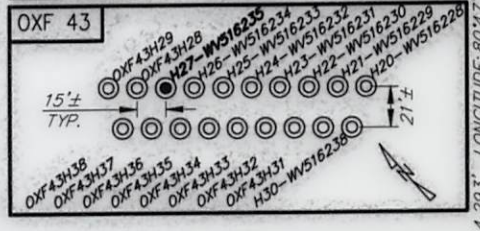
NAD 27 S.P.C. (Ft.)	N: 241,966.091	E: 1,632,516.650
NAD 27 GEO	LAT: 39.157161	LONG: 80.755929
NAD 83 UTM 17N (M)	N 4,334,235.5	E: 517,646.7
NAD 83 S.P.C. (Ft.)	N 242,001.4	E: 1,601,075.8

**Bottom Hole Coordinates**

NAD 27 S.P.C. (Ft.)	N: 246,342.198	E: 1,630,658.809
NAD 27 GEO	LAT: 39.169002	LONG: 80.802704
NAD 83 UTM 17N (M)	N 4,335,559.2	E: 517,058.5
NAD 83 S.P.C. (Ft.)	N 246,377.4	E: 1,599,217.9

Lease No.	Acres	Owner
115829	60	Carlton Matheny, et al
121005	36.5	Marian G. Zorn
122692	200	Jonathan D. Casto, et al
109481	2000	Adele McDougall, et al

**Coordinate Notes**  
West Virginia Coordinate System of 1927 (North Zone) Based upon Differential GPS Measurements. Plat orientation, Corner and well ties are based upon the grid north meridian. Well location references are based upon the grid north meridian. UTM Coordinates are NAD83, Zone 17 Meters.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

*[Signature]*



FILE NO.: EES-60635  
DRAWING NO.: OXF43\_Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: ±3'  
PROVEN SOURCE OF ELEVATION: GPS

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**OFFICE OF OIL AND GAS**

DATE AUGUST 22, 20 17  
OPERATORS WELL NO. WV 516235  
API WELL NO. 47 017 06249  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW LOCATION,  
ELEVATION: 1254' (Ground) 1229' (Prop.) WATERSHED: Middle Fork Hughes River QUADRANGLE: OXFORD  
DISTRICT: SOUTH WEST / COVE COUNTY: DODDRIDGE  
SURFACE OWNER: Cathy Wetzel ACREAGE: 104.48± AC  
ROYALTY OWNER: Franklin Maxwell Heirs L. P. LEASE NO.: 107429 ACREAGE: 255± AC  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6666'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex. C. Ray  
ADDRESS: 115 Professional Pl. P.O. Box 280 ADDRESS: 115 Professional Pl. P.O. Box 280  
Bridgeport, WV 26330 Bridgeport, WV 26330

WWW.ENCOMPASSSERVICES.COM PLOT DATE: 8/22/2017 CAD FILE: OXF 43\_WELL\_PLAT-2017-08-21.DWG