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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 516230  
47-017-06741-00-00

**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

Operator's Well Number: 516230  
Farm Name: FRANKLIN MAXWELL HEIRS L. P.  
U.S. WELL NUMBER: 47-017-06741-00-00  
Horizontal 6A Horizontal 6A Well - 1  
Date Modification Issued: June 12, 2018

Promoting a healthy environment.

06/15/2018



47-017-06741  
MOD

September 26, 2017

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

Re: Modification of 47-017-06741

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 Roark'.

Vicki Roark  
Regional Land Supervisor

Enc.

RECEIVED  
Office of Oil and Gas

SEP 27 2017

WV Department of  
Environmental Protection

12,092' LATITUDE: 39°10'00" TH

9,875' LATITUDE: 39°10'00" BH

H22 - WV 516230  
OXF43  
EQT Production Company

NO.	ADJACENT OWNER	NO.	SURFACE OWNER
4	MORRIS I L IKE	1	CHARLES R & EVELYN GREATHOUSE GAPN
7	HUFF WILLIAM LEE	2	JAMES P GREATHOUSE
8	JAMES H & JENNIE FOSTER	3	CATHY JEAN WETZEL ETAL
10	TERRY E LEESON	5	HUFF RANDY E DECEDENT'S
11	BROOKS D YEATER	6	MANSFIELD LEESON
15	JERRY L HOSAFLOOK & WILLIAM J SHINGLETON	12	HUFF FAMILY TRUST
16	ARMSTRONG TELEPHONE CO.	13	COASTAL FOREST RESOURCES CO
		14	BETTY M. RYAN
		39	WILMA LEE LEESON

**WV 516230 Well Point Coordinates**

Top Hole Coordinates		
NAD 27 S.P.C. (Ft.)	N: 241,933.047	E: 1,633,399.442
NAD 27 GEO	LAT: 39.157006	LONG: 80.792815
NAD 83 UTM 17N (M)	N 4,334,230.0	E: 517,915.8
NAD 83 S.P.C. (Ft.)	N 241,968.4	E: 1,601,958.6

Landing Point Coordinates		
NAD 27 S.P.C. (Ft.)	N: 241,933.061	E: 1,632,786.707
NAD 27 GEO	LAT: 39.157740	LONG: 80.794953
NAD 83 UTM 17N (M)	N 4,334,104.4	E: 517,726.4
NAD 83 S.P.C. (Ft.)	N 241,528.4	E: 1,601,345.9

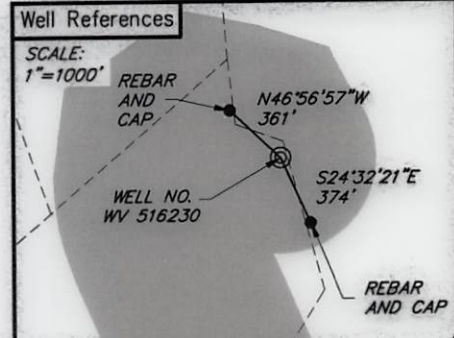
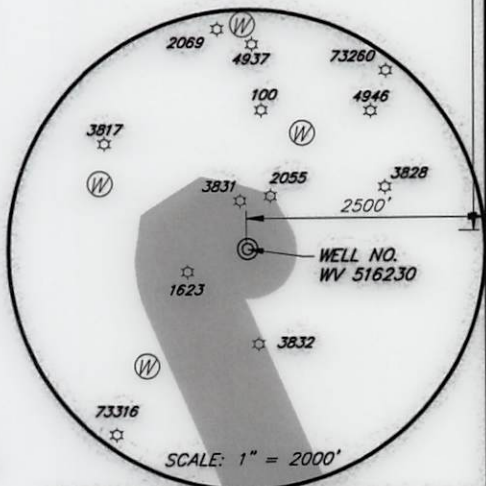
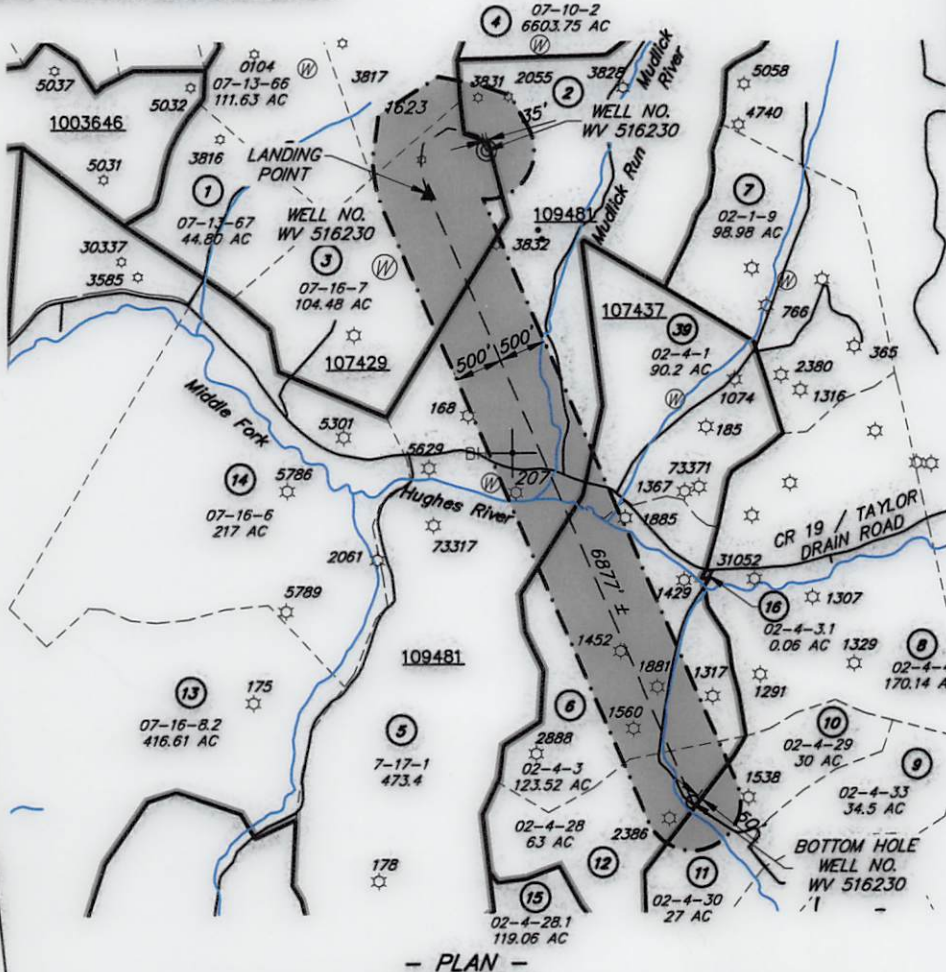
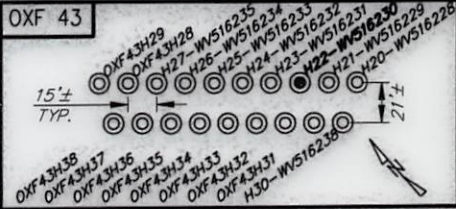
Bottom Hole Coordinates		
NAD 27 S.P.C. (Ft.)	N: 235,183.410	E: 1,635,521.830
NAD 27 GEO	LAT: 39.138560	LONG: 80.784991
NAD 83 UTM 17N (M)	N 4,332,184.5	E: 518,596.7
NAD 83 S.P.C. (Ft.)	N 235,218.8	E: 1,604,081.1

**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

Lease No.	Acres	Owner
109481	2,000	Adele McDougal, et al
107437	277	Mansfield Leeson 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.



GRID NORTH  
NAD 83

(+) 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 25, 2017  
OPERATORS WELL NO.: WV 516230  
API WELL NO.: 47  
STATE COUNTY PERMIT: 017 06741

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: 6631'

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: 8/25/2017 CAD FILE: OXF 43 WELL PLAT-2017-08-25.DWG

10,206' LONGITUDE: 80°45'00" BH  
3,487' LONGITUDE: 80°45'00" TH