



west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
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

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.

06/15/2018



47 017 06747
moo

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

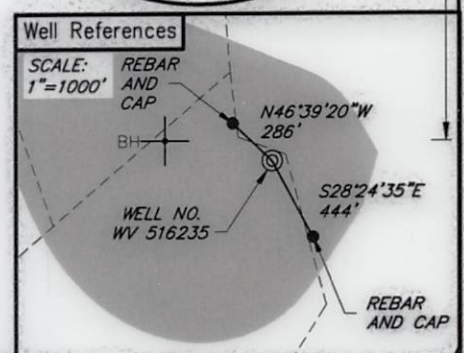
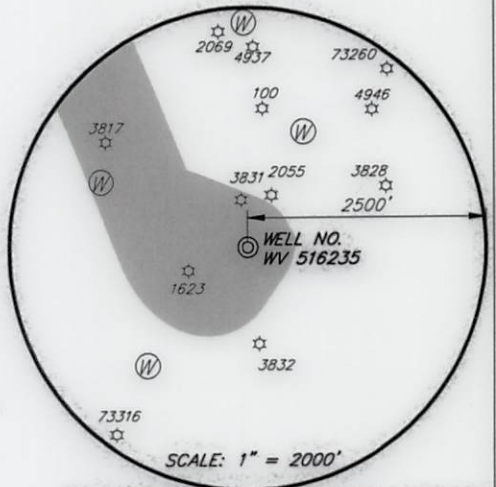
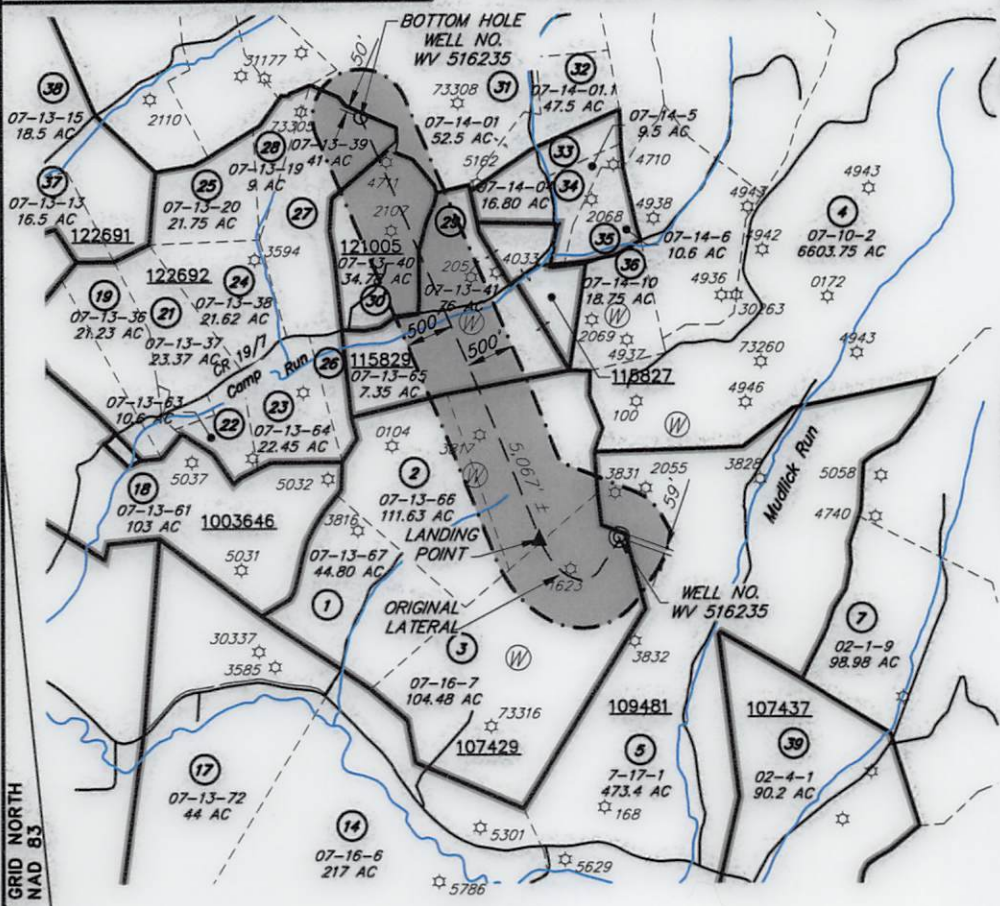
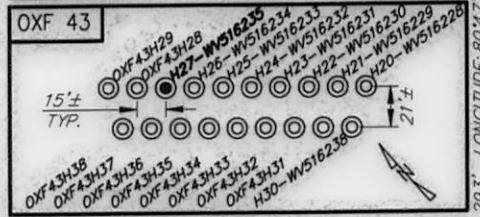
| | | |
|---------------------|----------------|------------------|
| NAD 27 S.P.C. (Ft.) | N: 241,966.091 | E: 1,632,516.650 |
| NAD 27 GEO | LAT: 39.157161 | LONG: 80.755929 |
| NAD 83 UTM 17N (M) | N 4,334,235.5 | E: 517,646.7 |
| NAD 83 S.P.C. (Ft.) | N 242,001.4 | E: 1,601,075.8 |

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 McDougal, 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 06/15/2018
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

14,293' LONGITUDE: 80°45'00" TH