



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

November 25, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1702128, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: A 13
Farm Name: MAXWELL, A.
API Well Number: 47-1702128
Permit Type: Plugging
Date Issued: 11/25/2014

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

PLUGGING PROGNOSIS - Weston

Maxwell, A. A-13 (129591)
Doddridge Co., West Virginia
API # 47-017-02128
Oxford Quad

BY: Craig Duckworth
DATE: 9/26/14

CURRENT STATUS:

10" csg @ 388'
8 1/4" csg @ 1136'
6 5/8" csg @ 1556'
3" tbg @ ????'
TD @ 1704'

Fresh Water @ 18' 130' Salt Water @ 1120'
1" Salt Sand @ 1040' Coal @ None reported
Gas Shows @ 1416' Maxon ; 1668' & 1682' Big Injun
Oil Shows @ None reported
Stimulation: None reported
Elevation: 955'

REMOVE 3" TUBING.

1. Notify State Inspector, Douglas Newlon 304-932-8049, 24 hrs. Prior to commencing operations.
2. TIH w/ tbg @ 1704'; Set 100' C1A Cement Plug @ 1704' to 1604' (Gas Shows @ 1682' & 1668' Big Injun)
3. TOOH w/ tbg, Free Point 6 5/8", cut 6 5/8" @ free point, TOOH w/ 6 5/8" csg
4. TIH w/ tbg @ 1604'; Set 100' C1A Cement Plug @ 1604' to 1504' (6 5/8" casing cut)
5. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 6 5/8" cut. Do not omit any plugs
6. TOOH w/ tbg @ 1504'; gel hole @ 1504' to 1416'
7. TOOH w/ tbg @ 1416'; Set 100' C1A Cement Plug @ 1416' to 1316' (Gas Show @ 1416' Maxon Sand)
8. TOOH w/ tbg @ 1316'; gel hole @ 1316' to 1186'. *1356 DEN 1350' 1456 1356 DEN*
9. TOOH w/ tbg, Free Point 8 1/4", cut 8 1/4" @ free point, TOOH w/ 8 1/4" csg
10. TIH w/ tbg @ 1186'; Set 246' C1A Cement Plug @ 1186' to 940' (8 1/4" csg 1136 ; Salt Sand @ 1040' ; Salt Water @ 1120')
11. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 1/4" cut. Do not omit any plugs *1005 - 905 CEMENT Plug over Elevation DEN*
12. TOOH w/ tbg @ 940'; gel hole @ 940' to 438'. *905 - 438 DEN*
13. TOOH w/ tbg @ 438'; Set 100' C1A Cement Plug @ 438' to 338' (10" csg @ 388')
14. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut. Do not omit any plugs
15. TOOH w/ tbg @ 338' gel hole @ 338' to 200'.
16. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to 0' (Surface)
17. Top off as needed
18. Set Monument to WV-DEP Specifications
19. Reclaim Location & Road to WV-DEP Specifications

*Douglas Newlon
10-15-2014*

GEL SPACERS BETWEEN ALL CEMENT PLUGS.
pm

1702128P

017-2128

ACME CARBON COMPANY

RECORD OF LEWIS MAXWELL WELL NO. 13.

Contractor J. T. Williams
Commenced
Completed
Total Depth 1704
Producing gas from

FORMATION	TOP	BOTTOM
Conductor	15	
Water	18	
Water	130	
10" Casing	388	
Little Dunkard	748	773
Big Dunkard	788	811
Gas Sand	887	923
1st Salt Sand	1040	1038
2nd Salt Sand	1090	1156
8 1/2" Casing	1136	
Water	1120	1140
Maxon Sand	1410	1430
Gas	1416	
Little Line	1520	1532
Pencil Sags	1532	1545
Big Line	1545	1630
6-5/8" Casing	1556	
Big Injun	1645	
Gas	1668	
Gas	1682	
Total Depth	1704	

3" Tubing

All casing left in Well.

Commenced 8-9-15
Completed 10-14-15

Received
Office of Oil & Gas

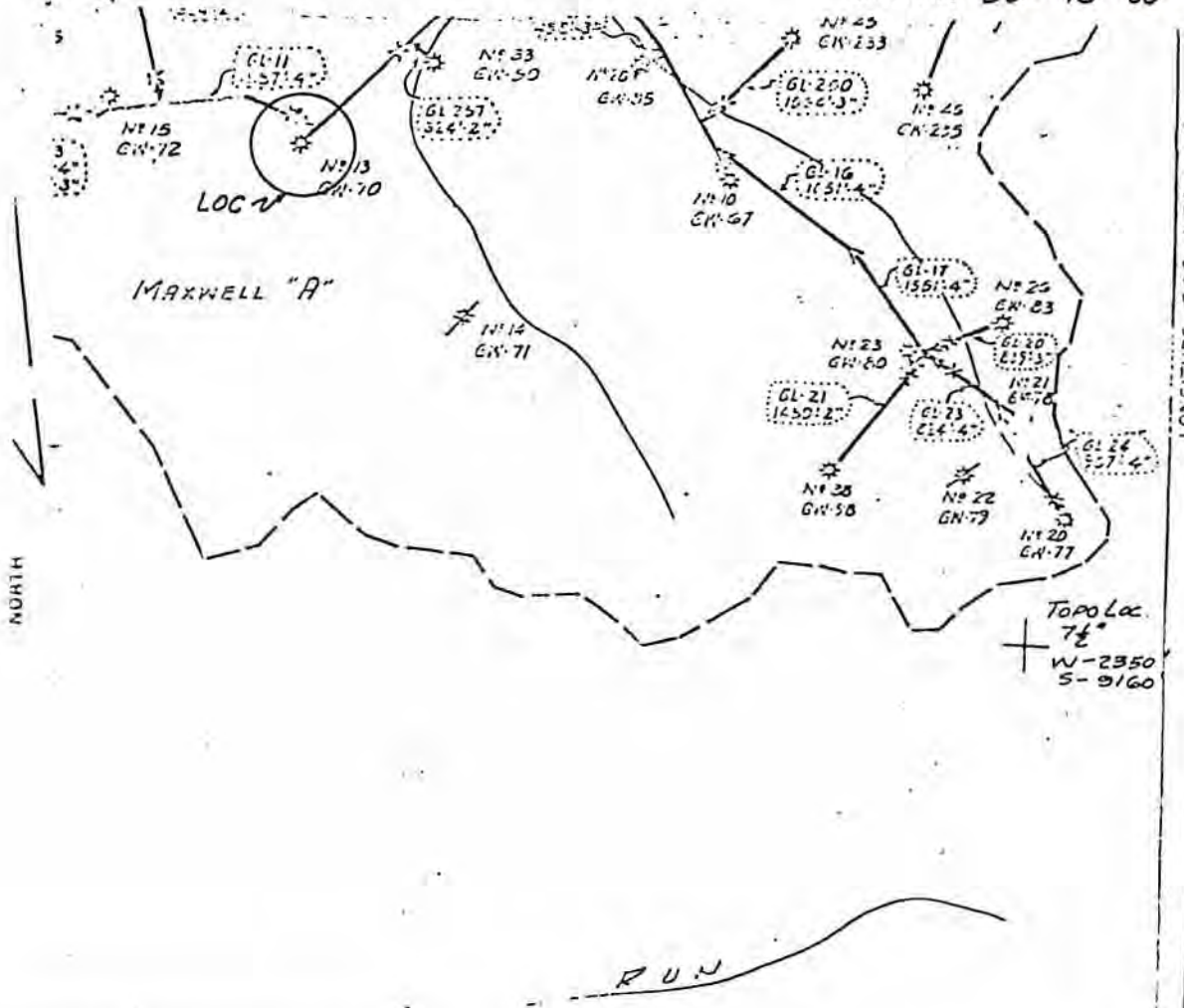
OCT 09 2014

OFFICE OF OIL & GAS
DEPT. OF MINES

11/28/2014

1702128P

LATITUDE 39° 15' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1320
 MINIMUM DEGREE OF ACCURACY _____
 PROVEN SOURCE OF ELEVATION _____

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 DEPARTMENT OF MINES.
 (SIGNED) Arvid J. Bay
 R.P.E. _____ L.L.S. 247

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (878)



DATE MAR 25 19 60
 OPERATOR'S WELL NO. GIN70 (R-13)
 API WELL NO. 47-017-2128
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 955' WATERSHED LEET FK OF ARNOLDS CK
 DISTRICT WEST UNION COUNTY ODDRIDGE
 QUADRANGLE OXFORD 7 1/2

SURFACE OWNER _____ ACREAGE _____
 OIL & GAS ROYALTY OWNER MAXWELL A LEASE ACREAGE _____
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION REFRACATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) F.E.R.C. FILING

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR CITIES SERVICE Co DESIGNATED AGENT SAM L. MATTHEWS
 ADDRESS P.O. BX 873 ADDRESS P.O. BX 873
CHARLESTON, W.V. CHARLESTON, W.V.

Received
 Office of Oil & Gas
 OCT 09 2014

11/28/2014

Oxford 2

1702128P

WW-4-A
Revised 6/07

1) Date: October 6, 2014
2) Operator's Well Number
129591 (Maxwell A-13)
3) API Well No.: 47 017 - 02128
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
(a) Name Matthew L. Hamblet ✓
Address Gary Stephenson
3351 Mar-Lu Ridge Road
Jefferson, MD 21755
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Douglas Newlon
Address 4060 Dutchman Road
Macfarlan, WV 26148
Telephone (304) 932-8049

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name L. B. Maxwell Estate ✓
P. O. Box 2253
Address Clarksburg, WV 26302
Name _____
Address _____
(c) Coal Lessee with Declaration
Name None
Address _____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
 - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator:
OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC Its:
Misty S. Christie
1207 Briercreek Rd
Bridgeport, WV 26330
Telephone:
My Commission Expires February 20, 2015

EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

Subscribed and sworn before me this 6th day of October, 2014
Misty S. Christie Notary Public
My Commission Expires: 2/20/15

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

OCT 09 2014

11/28/2014

1702128P
 C/O Vicki Roark
 P.O. Box 280
 Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Matthew L. Hamblet
 Gary Stephenson
 3351 Mar-Lu Ridge Road
 Jefferson, MD 21755

Plug 129591

2. Article Number
 (Transfer from service label)
 PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee)

7014 0150 0001 0654 3025

Domestic Return Receipt

PS Form 3809 August 2009 See Reverse for Instructions

Jefferson, WV 26330

City, St. or P.O. B. Jefferson, MD 21755

Street / Plug 129591

Sent to Gary Stephenson
 3351 Mar-Lu Ridge Road
 Jefferson, MD 21755

Total P. Matthew L. Hamblet

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

Postmark Here

7014 0150 0001 0654 3025

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only: No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Barcode: 7014 0150 0001 0654 3025

Received
 Office of Oil & Gas
 OCT 09 2014

neopost
 10/08/2014
 US POSTAGE
 \$07.40
 FIRST-CLASS MAIL
 ZIP 26330
 041L10228892

11/28/2014

1702128
 EQT
 C/O Vicki Roark
 P.O. Box 280
 Bridgeport, WV 26330

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: <div style="border: 1px solid black; padding: 5px; width: fit-content;"> L. B. Maxwell Estate P. O. Box 2253 Clarksburg, WV 26302 </div> Plug 129591		B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label)		3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery	
PS Form 3811, July 2013		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
		7014 0150 0001 0654 3032	
		Domestic Return Receipt	

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USA

Postage \$

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage

L. B. Maxwell Estate

P. O. Box 2253

Clarksburg, WV 26302

Sent to

Street, Apt or PO Box

City, State

See Reverse for Instructions

PS Form 3811, July 2013

Postmark Here

Plug 129591

7014 0150 0001 0654 3032

7014 0150 0001 0654 3032

Received
 Office of Oil & Gas
 OCT 09 2014

usps
 10/08/2014
 US POSTAGE
 \$07.40
 ZIP 26330
 041410228892

11/28/2014

17021284

EQT
C/O Vicki Romik
P.O. Box 280
Bridgeport, WV 26330

Douglas Newlon
4060 Dutchman Road
McFarlan, WV 26148

plug 129591

Received
Office of Oil & Gas
OCT 09 2014

neopost
10/08/2014
US POSTAGE
FIRST-CLASS MAIL
\$01.61
ZIP 26330
041110228892

11/28/2014

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: _____

Watershed: Left Fork Quadrangle: Oxford

Elevation: 967 ft. County: Doddridge District: West Union

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ___ No X

Will synthetic liner be used in the pit? Yes Is so, what ml? 10 ml 20 ml

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- ____ Underground Injection - UIC Permit Number _____
- ____ Reuse (at API Number) _____
- ____ Offsite Disposal Permit #. _____
- ____ Other: Explain _____

*DCW
10-15-2014*

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. _____

If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used? _____

Will closed loop system be used? _____

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. _____

If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust _____

Landfill or offsite name/permit number? _____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Victoria Roark*

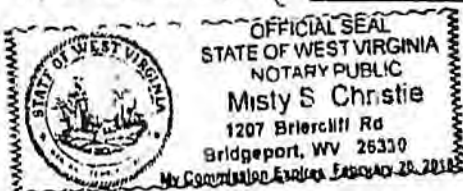
Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 6th day of October, 2014

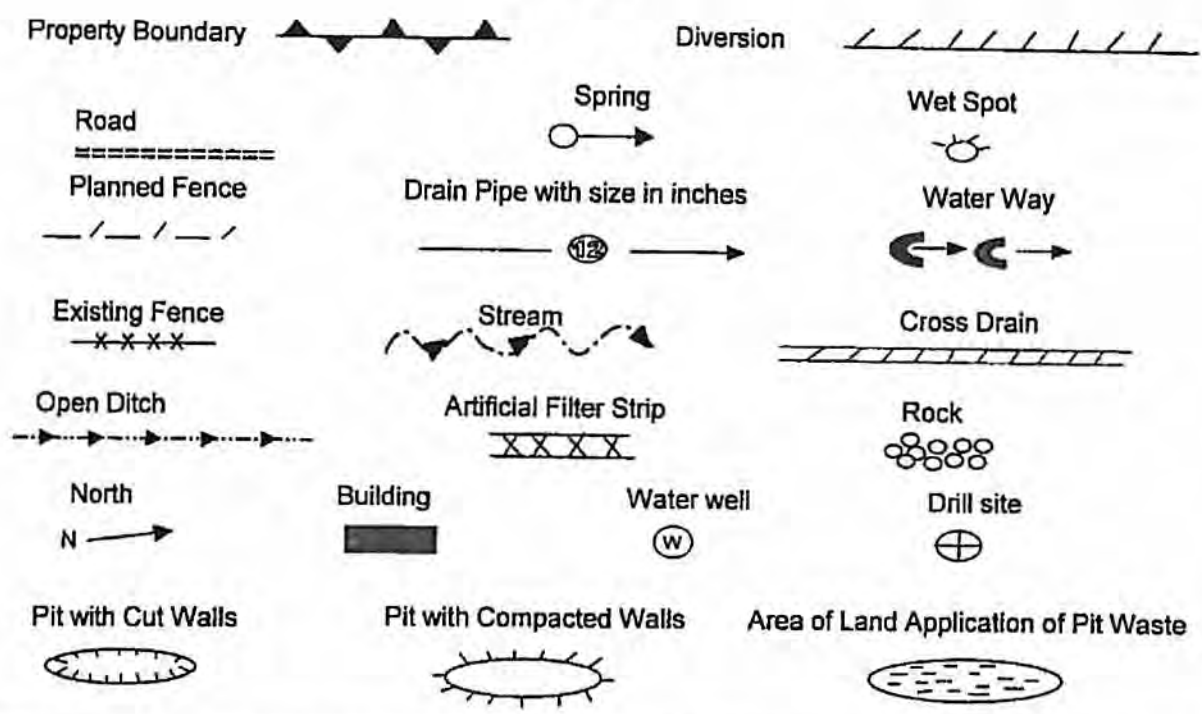
Misty S. Christie Notary Public

My Commission Expires 2/29/18



OPERATOR'S WELL NO.:
129591 (Maxwell A-13)

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH _____
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)
 Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.
 Photocopies section of involved 7.5' topographic sheet.

Plan approved by: Douglas Newlin

Comments: install ETS as needed

Title: oil & gas inspector Date: 10-15-2014
 Field Reviewed? Yes No

1702128

Topo Quad: Oxford 7.5' Scale: 1" = 2000'
 County: Doddridge Date: September 4, 2014
 District: West Union Project No: 67-30-00-08

47-017-02128 WV 129591 (Maxwell A-13)

TOPO



47-017-02128
WV 129591

NAD 27, North Zone
 N: 266661.095
 E: 1631800.173
 WGS 84
 LAT: 39.224914
 LONG: 80.799542
 ELEV: 967.37



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330

11/28/2014

17 02128

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-017-02128 WELL NO.: WV 129591 (Maxwell A-13)

FARM NAME: Maxwell

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Doddridge DISTRICT: West Union 8

QUADRANGLE: Oxford 7.5' 526

SURFACE OWNER: Matthew Lewis Hamblet and Gary Stephenson

ROYALTY OWNER: EQT Production Company et.al.

UTM GPS NORTHING: 4341755

UTM GPS EASTING: 517303 GPS ELEVATION: 295 m (967 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential
Real-Time Differential

Mapping Grade GPS : Post Processed Differential
Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Received
Office of Oil & Gas

NOV 09 2014

Signature

PS # 2180
Title

9/23/14
Date

11/28/2014



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Maxwell A-13 - WV 129591 - API No. 47-017-02128

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 129591.

Received
Office of Oil & Gas

OCT 09 2014

BIRCH RIVER OFFICE

237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

CALDWELL OFFICE

212 Cumberland Street
Caldwell, OH 43724
phone: 740-305-5007
fax: 740-305-5126

ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Rd
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

RANSON OFFICE

401 South Fairfax Blvd, Suite 3
Ranson, WV 25438
phone: 304-724-5008
fax: 304-724-5010

1702128 P

Topo Quad: Oxford 7.5'

Scale: 1" = 2000'

County: Doddridge

Date: September 4, 2014

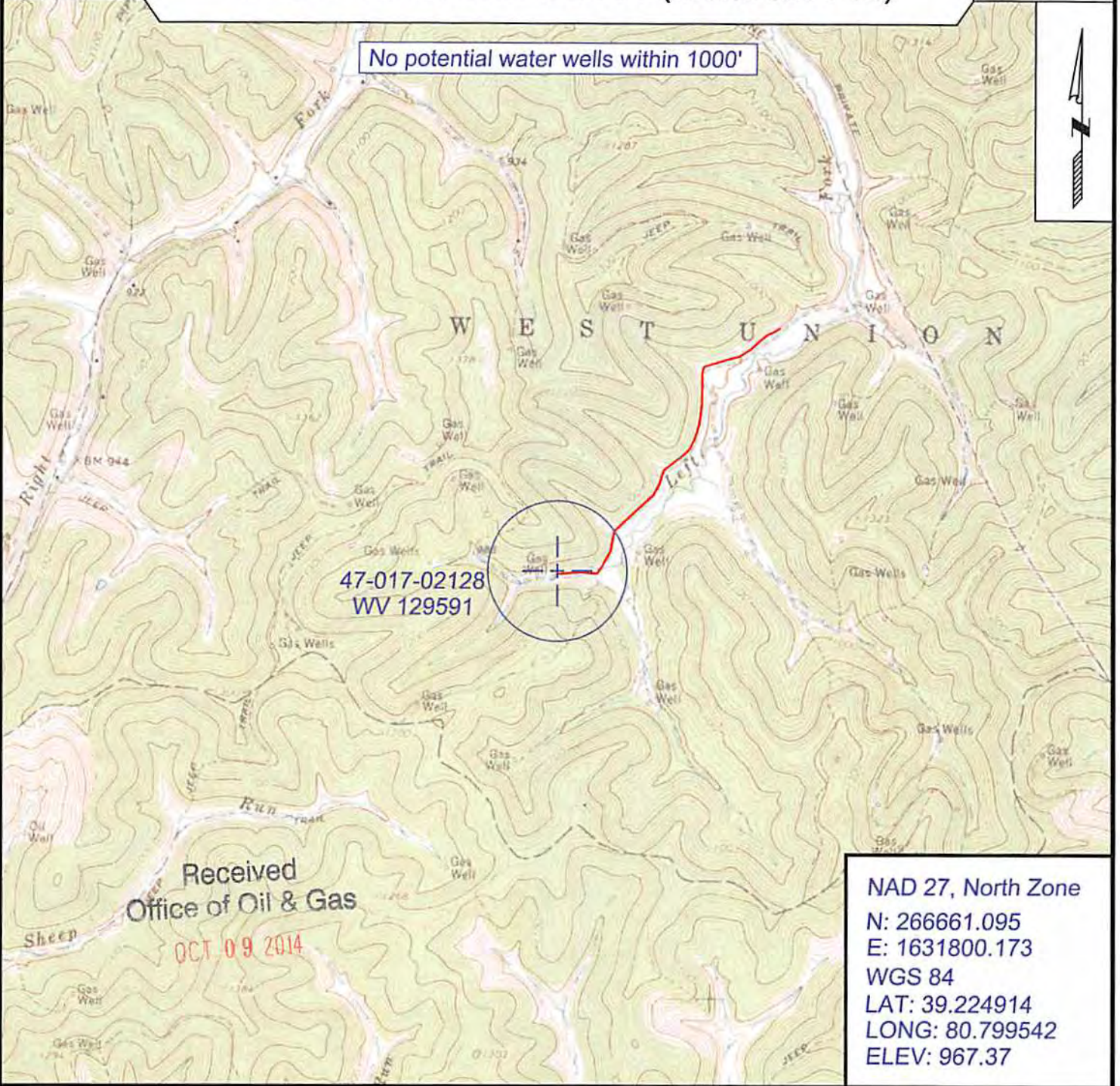
District: West Union

Project No: 67-30-00-08

Water

47-017-02128 WV 129591 (Maxwell A-13)

No potential water wells within 1000'



47-017-02128
WV 129591

Received
Office of Oil & Gas
OCT 09 2014

NAD 27, North Zone
N: 266661.095
E: 1631800.173
WGS 84
LAT: 39.224914
LONG: 80.799542
ELEV: 967.37



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

11/28/2014