

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

February 12, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4102432, 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 penalities 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: 8167

Farm Name: U.S. ARMY CORP. OF ENG.

API Well Number: 47-4102432

Permit Type: Plugging
Date Issued: 02/12/2015

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.

41024321

Form WW-4 (B) Permit Copy (Rev 2/01)

10)

 Date:
 December 10, 2014

 Operator's Well Well No.
 608167 (Rittenouse #8167)

 API Well No.:
 47
 041 - 02432

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

CK18769

| 4) | | APP | LICATIO | N FOR | A PE | RMIT TO PLUG | AND ABANDON | | |
|-----------|---------------------------|--------------|--------------------------|--------|------------|----------------|-----------------------------------|---------|---|
| <i>30</i> | Well Type: O | | _ Gas _ | Х | Lie | quid Injection | Waste Dispo | osal | |
| | If Gas, Product | ion | X | Or Un | dergro | ound storage | Deep | Shallow | Х |
| 5) | | levation: | 1212 ft | _Water | shed: | Glady Fork | | | |
| | Location: District: | Courtho | use | County | <i>J</i> : | Lewis | Quadrangle: | Roanoke | |
| 3) | | | duction Co | | | | ed Agent: Rex C | | |
| | Well Operator Address: | | essional P ort, WV 26 | | | Address: | 120 Professiona Bridgeport, WV | | |
| 3) | | | | | •••• | 9) Plugging | | 20330 | |
| | Oil & Gas Barry | | | | | Name: | HydroCarbon Well | Service | |
| | | onifer Drive | | | | Address: | PO BOX 995 | _ | |
| 3 | Address: Bridge | eport, WV | 26330 | | | | Buckhannon, WV 2 | 26201 | |

Work Order: The work order for the manner of plugging this well is as follows:

See Attachment for details and procedures.

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

PLUGGING PROGNOSIS - Weston

Rittenhouse, S.O. # 8167 (608167)

Lewis Co., West Virginia API#47-041-02432 Quad: Courthouse

Craig Duckworth

DATE: 12/9/14

CURRENT STATUS:

10" csg @ 370' 8 1/4" csg @ 972' @ 1771'

6 5/8" csg 3" tbg

@ 2127'

FID @ 2127"

Fresh Water @ None reported

1st Salt Sand @ 836'

Gas Shows @ None reported Oil Shows @ None reported Stimulation: None reported

Elevation: 1164'

Salt Water @ None reported Coal @ None reported

5DW 12/18/2014

- 1. Notify State Inspector, Blary Stochage 304-352-1194, 24 hrs. Prior to commencing operations.
- 2. Attempt to pull 3"csg. Free Point 3", cut 3" @ free point, TOOH w/ 3" csg
- 3. TIH w/ tbg @ 2127'; Set 100' CIA Cement Plug @ 2127' to 2027'
- 4. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 3" cut. Do not omit any plugs
- TOOH w/ tbg @ 2027'; gel hole @ 2027' to 1821'
- 6. TOOH w/ tbg, Free Point 6 5/8", cut 6 5/8" @ free point, TOOH w/ 6 5/8" csg
- 7. TIH w/ tbg @ 1821'; Set 100' C1A Cement Plug @ 1821' to 1721' (6 5/8" csg)
- 8. 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
- TOOH w/ tbg @ 1721'; gel hole @ 1721' to 1021'
- 10. TOOH w/ tbg, Free Point 8 1/4", cut 8 1/4" @ free point, TOOH w/ 8 1/4" csg
- 11. TIH w/ tbg @ 1021'; Set 285' C1A Cement Plug @ 1021' to 736' (8 1/4" csg seat & Salt Sand @
- 12. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 5/8" cut, Do not omit any plugs
- TOOH w/ tbg @ 736'; gel hole @ 736' to 420'.
- 14. TOOH w/ tbg @ 420'; Set 100' C1A Cement Plug @ 420' to 320'(10" csg @ 370')
- 15. 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
- 16. TOOH w/ tbg @ 320'; gel hole @ 320' to 200'.
- 17. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to Surface
- 18. Top off as needed
- 19. Set Monument to WV-DEP Specifications
- 20. Reclaim Location & Road to WV-DEP Specifications

041-2432-P

ins Easy

WELL 8167 LEASE 25176 - RITTENHOUSE TD = 2127

COURTHOUSE DISTRICT, LEWIS COUNTY

Pipe in Hole 1771' of 6 5/8" 972' of 8 1/4" 370' of 10" 2127' of 3"

1911 1 38 6 BU

Pull all pipe possible and set 100' cement plugs at all cuts and

All plugs are composed of Class-A-Neat Cement.

Cement - 2127 to 2000

Gel hole - 2000 to 1850

Pull 3", 6-5/8", 8-1/4", 10" casing. Cement - 1850 to 1650

5. Gel - 1650 to 1000 6. Cement - 1000 to 900 7. Gel - 900 to 400 0. Cement - 400 to 300

9. Gel - 300 to 100 10. Cement - 100 to 0

11. Set monument, 7" pipe or larger, 13' long cemented in with API number displayed.

Un-recoverable pipe through coal seams must be perforated and squeezed above and below the cost seam.

Plugging operation subject to change upon inspectors approval.

Received Office of Oil & Gas DEC 17 2014

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Cal 1037

| WW-4-A | |
|--------------|--|
| Revised 6/07 | |

| 1) | Date: | De | cember | 10 |), 2014 | |
|----|----------------------------------|------|--------|----|---------|--|
| 2) | Operator's Wel 608167 (Ritter | | | | | |
| 3) | API Well No.: | 47 | 041 | - | 02432 | |
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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: | 5) (a) Coa | al Operator: |
|----|--------------------------|-------------------------------|-------------|-------------------------------|
| | (a) Name | U. S. Army Corps of Engineers | Name | None |
| | Address | Weston, WV 26452-7435 | Address | |
| | (b) Name | | (b) Coal Ov | wner(s) with Declaration |
| | Address | | Name | U. S. Army Corps of Engineers |
| | | | | Weston, WV 26452-7435 |
| | | | Address | |
| | (c) Name | | Name | |
| | Address | | Address | 1 |
| | No contrattent water and | <u> </u> | | |
| 3) | Inspector | Barry Stollings | 67 L.P | essee with Declaration |
| | Address | 28 Conifer Drive | Name | None Received |
| | | Bridgeport, WV 26330 | Address | Ott. Cocived |
| | Telephone | (304) 552-4194 | | Office of Oil & Gas |
| | | | | DEC 1 7 2014 |

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.

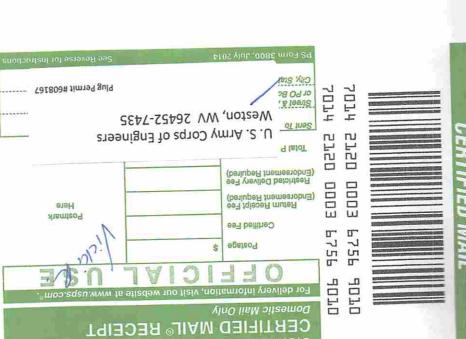
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental 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.

| STATE OF WEST VIRGINATION DEPARTOR: NOTARY PUBLIC. Misty S Christie 1207 Briercliff Rd Address: Bridgeport, WV 26330 My Commission Expires February 20, 2018 | EQT Production Company Victoria J.Roark Permitting Supervisor PO Box 280 Bridgeport, WV 26330 |
|---|---|
| Telephone: | (304) 848-0076 |
| Subscribed and sworn before me this | day of Accember . 2014 Notary Public |
| My Commission Expires: | 2/20/19 |

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 deprivacyofficer@wv.gov.

A102432P

| Junioro, marebood to: | | If YES, enter delive | ery address below: | LI No |
|---|---------------------|---|--|--------------------|
| U. S. Army Corps of Eng Weston, WV 26452-74: | | | | |
| | Plug Permit #608167 | 3. Service Type ☑ Certified Mail® ☐ Registered ☐ Insured Mail | ☐ Priority Mail E☐ Return Receip☐ Collect on Del | ot for Merchandise |
| | | 4. Restricted Delivery | ? (Extra Fee) | ☐ Yes |
| Article Number (Transfer from service label) | 7014 2120 | 0003 6756 | 9010 | |
| 3 Form 3811, July 2013 | Domestic Retu | urn Receipt | AL 1344 - BT 1983 - 13 (10 4732) - 124 | |



U.S. Postal Service

Received Office of Oil & Gas DEC 1 7 2014



Barry Stollings 28 Conifer Drive Bridgeport, WV 26330

Plug Permit #608167

Received
Office of Oil & Gas
DEC 1 7 2014







WW-9 Revised 2/03

| Page | of | | | |
|----------|-------------|-----|-------|-------|
| 2) Opera | tor's Well | Nu | mber | |
| 608167 | Rittenou | se# | 8167) | |
| 3) API W | /ell No.: 4 | 47 | 041 - | 02432 |

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 PRODUCTIO | N COMPANY | | OP ID |)% | | |
|---|---|--|--|--|--|---|--|
| Watershed: | Glad | ly Fork | | Quadrangle: | Roand | oke | |
| Elevation: | 1212 ft Co | unty: | Lewis | District: | Courth | ouse | <u>.</u> |
| Description of antic | cipated Pit Waste: | | | Formation Fluid | ls | | - - |
| n | using more than 5,000 be used in the pit? | bbls of water to | complete t | * - * * * * * * * * * * * * * * * * * * | vork? Yes_ 20 ml | No <u>_X</u> | |
| Proposed Disposa X | Land Application Underground Inj Reuse (at API N Offsite Disposal | n ection - UIC Peri lumber) | mit Numbe | t ;= | | | _ |
| | ticipated for this well? sed, what type? Syntl | | | etc | 0 | Recei | ived |
| Will closed loop sy | stem be used? | | | | | mee or c | मार्थ Gas |
| If left in p | isal method? Leave in bit and plan to solidify who or offsite name/permit no | nat medium will be | | | - | DEC 17 | <u></u> |
| issued on August 1 understand that the general permit and I certify under pena application form ar responsible for obt | nderstand and agree to 1, 2005, by the Office of provisions of the per l/or other applicable lated alty of law that I have and all attachments the aining the information ficant penalties for su | of Oil and Gas of mit are enforcea w or regulation of personally examine reto and that, bas , I believe that th | f the West 'ble by law. can lead to ned and ar sed on my e informati | Virginia Division of Violations of any tenforcement action familiar with the inquiry of those industrials true, accurate | Environmental terms or condit n. nformation sub ividuals immed a and complete | Protection. ion of the mitted on thi liately . I am aware | s STATE |
| Company Offi | cial Signature | | Vin | A 1/2 | | The same | ALEBRA |
| Company Offi | cial (Typed or Printe | ed) Victoria | Roark | | | 1603 X | B SI |
| Company Offi | cial Title | Permitting S | Supervisor | -WV | 216 | New York | OFFIC PATE OF V NOTA NISTY 1207 Bridgeport, |
| Subscribed and | sworn before me this | 1/4h | day of _ | Accomba | | 2014 | FY S Brief |
| My Commission | Sty Sty Sty Sty Sty Sty Sty Sty Sty Sty | Christie. | 2/20/1 | Notary | Public | 9 | OFFICIAL SETURGINI STATE OF WEST VIRGINI STATE OF WEST VIRGINI NOTARY PUBLIC NOTARY PU |
| | | | 100 | | | | P O Z |

OPERATOR'S WELL NO.: 608167 (Rittenouse #8167)

LEGEND Property Boundary Diversion Spring Wet Spot Road -45-========= Planned Fence Drain Pipe with size in inches Water Way -/_/_/ — 1920 – **C→ C → Existing Fence** Stream Cross Drain - x x x x -Open Ditch Artificial Filter Strip Rock 8555 XXXX North Building Water well Drill site (W) \oplus N ----Pit with Cut Walls Pit with Compacted Walls Area of Land Application of Pit Waste 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 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: Comments: 006 Inspectes Date: 12/18//4 Field Reviewed? Yes

02/13/2015

| Topo Quad: | Roanoke 7.5' | _ Scale: | 1 " = 20 | 00' |
|------------|--|--|------------------------|---|
| County: | Lewis | Date: | October | 10, 2014 |
| District: | Courthouse | _ Project No | o:73-12-0 | 0-08 |
| | 47-041-02432 WV 608 | 8167 (Rit | tenhouse #8 | 3167) ^{Topo} |
| | No. of the last of | 古马沙方 | | |
| | | | | 4 |
| | | | | |
| 11:0 60 | rp Mone Rosnoko | 7.5' Quadrangle e 7.5' Quadrangle | | BACKERS CREEK |
| Washburn | Run | | | 1-1-6 |
| | | A HIE | | And the second |
| Tom | | Stro Mine I | | |
| | | 1 | | |
| | | | | A Can Wes |
| | 47-041-0243 WV 608167 | 2 | | |
| | Glady | Strip | | |
| 1034 | | | SV6 | Money A. S. William |
| | | | Gerger Jacob | R. A. Co. |
| U S E | Alkires Mills | 540 | | |
| | Received - | | | alacktick |
| Off | ice of Oil & Gas | Sale Sale | 5 | NAD 27, South Zone |
| A L L | DEC 1 7 2014 I A.C. K.S. O.N. L.A.K. | E | 7 | N: 724,336.91 E: 2,161,412.16 |
| TING | AND FISHING | A R E | A Strip Mine Wal | WGS 84 LAT: 38.987877 LONG: -80.431994 ELEV: 1211.66 |
| VEGH& | SURVEYING AND MAPPING SERVICES PERFOR | AND THE PARTY OF T | PREPARED FOR: | |
| 0 00 | ALLEGHENY SURVE 1-800-482-8606 237 Birch River Road | TO, INC. | P | uction Company .o. Box 280 |
| CAVEYS IN | Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608 | | Bridg | eport, WV 26330 |

WW-7 8-30-06



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

| API: <u>47</u> | -041-02432 | WELL NO.: WV 6 | 08167 (Rittenhouse | <u>#8167)</u> . | |
|--|--|---|--|----------------------------|----------------|
| FARM N | AME: <u>U.S. Army C</u> | corps of Engineers | | | |
| RESPON | SIBLE PARTY NAI | ME: <u>EOT Production</u> | Company | | |
| COUNTY | : Lewis | DISTRI | CT: Courthouse | | |
| QUADRA | NGLE: Roanoke | 7.5' | | | |
| SURFAC | E OWNER: <u>U.S.</u> | Army Corps of Enginee | rs | | |
| ROYALT | Y OWNER:EOT | Production Company | et al. | | |
| UTM GPS | NORTHING: 4 | <u>315585</u> . | | | |
| UTM GPS | EASTING: 54 | 19193 . GPS ELE | VATION: 369 m | (1212 ft) | |
| preparing a above well the following | new well location pl The Office of Oil an ng requirements: | pove has chosen to submat for a plugging permit d Gas will not accept G | or assigned API num PS coordinates that d | nber on the lo not meet | |
| 1. | Datum: NAD 1983, 2 | Zone: 17 North, Coordin | ate Units: meters, Al | ltitude: | bouile |
| 2. | Accuracy to Datum – | a level (MSL) – meters | • | Rec | eived |
| | Data Collection Meth | | | | |
| | | t Processed Differential | | חבר | 1 9 2014 |
| | Rea | al-Time Differential | | DEC | 1 3 |
| Mappin | g Grade GPS <u>X</u> : | Post Processed Differer Real-Time Differential | ntial <u>X</u> | Office | of Oil and Gas |
| 4. | Letter size copy of the | Real-Time Differential he topography map sho this data is correct to th | owing the well locat | new Dept. of Er | wironmental |
| | | | | | |
| belief and s | hows all the informat | ion required by law and | the regulations issue | ed and | |
| HESCHIDEG (| by the Office of Oil as | nd Gas. | | | |
| | 11 . / | _ | | | |
| . Hi | Okn | P5#2180 | 121 | lialist | |
| 8 | gnature | Title | - Di | ate | |

41024321 FORM- WW 6 S.O. RITTENHOUŞE LEASE RESERVATION) N/F STALNAKER N/F REEDER N/F STALNAKER 512-10 W SLLS N/F STALNAKER 3419 (25) EQUITRANS, INC. # 8167 N/F WOODELL **洋373 (25)** EQUITRANS, INC. WELL # 8167 PRE-1929 NOTE: EXISTING EQUITRANS, INC. WELL # 8167 IS A PRE-1929 WELL TO BE PLUGGED. I THE UNDERSIGNED, HEREBY CERTIFY THAT (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. THIS PLAT IS CORRECT TO THE BEST OF MY Received DATE DECEMBER 30 KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND OPERATORS WELL NO. EQUITRANS, INC. # 8167 Office of Oil & Gas THE REGULATIONS ISSUED AND PRESCRIBED DEC 1 7 2014 MINIMUM DEGREE STATE OF WEST VIRGINIA FILE NO. 3140 OF ACCURACY DEPARTMENT OF ENERGY SCALE 1" = 800" PROVEN SOURCE OF ELEVATION OIL AND GAS DIVISION S.L.S. TEMP. BENCH MARK FROM TOP OF KNOB, ELEVATION 1,523 WELL TYPE: OIL___ "IF
"GAS" PRODUCTION X STORAGE ___ DEEP LOCATION: ELEVATION 1164 WATERSHED GLADY FORK OF SKIN CREEK DISTRICT COURTHOUSE QUADRANGLE ROANOKE 7.5 SURFACE OWNER USA - U.S. ARMY CORPS. ROYALTY OWNER S.O. RITTENHOUSE HEIRS ET. AL LEASE ACREAGE 197 _ DRILL DEEPER ___ _ REDRILL ___ _ FRACTURE OR STIMULATE ____ PLUG OFF OLD __ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _X_ CLEAN OUT AND REPLUG _ PHYSICAL CHANGE IN WELL (SPECIFY) _ ESTIMATED DEPTH 2127 WELL OPERATOR EQUITRANS INC. __ DESIGNATED AGENT JOHN G, KALAFAT 02/13/2015 ADDRESS 3500 PARK LANE PITTSBURGH, PA. 15275 ADDRESS P.O. BOX 908 WESTON, WY. 26452

MARIETTA BLUEPRINT 076353

Roanoke 2



POTENTIAL WATER SAMPLE DATA SHEET

| CLIENT: | EQT PRODUCT | TION COMPANY | |
|-----------|---------------|---|------|
| LEASE NAM | E AND WELL No | . Rittenhouse #8167 - WV 608167 - API No. 47-041-0243 | 32 . |

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 608167.

Received Office of Oil & Gas DEC 1 7 2014

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

BIRCH RIVER OFFICE | BRIDGEPORT OFFICE

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

212 Cumberland Street Caldwell, OH 43724 Mana: 740-305-5007 /05 740-305-5126

CALDWELL OFFICE | ALUM CREEK OFFICE | PO. Box 108 · 1415 Childress Rd | 401 South Fairfax Blvd, Suite 3 Alum Creek, WV 25003 Mone 304-756-2949

304-756-2948

RANSON OFFICE Ranson, WV 25438 phane 304-724-5008 Jac 304-724-5010

| Topo Quad:_ | Roanoke 7.5' | Sca | ıle: | 1 " = 2000' | | |
|---|------------------|-----------------------|-----------|-------------------------------------|---|--|
| County: | Lewis | Dat | e: | October 10 | , 2014 | |
| District: | Courthouse | Pro | ject No: | 73-12-00-0 | 8 | |
| Water | 47-041-02432 | WV 608167 | (Rittenho | ouse #81 | 67) | |
| No potential water wells within 1000' | | | | | | |
| | | | | | | |
| | | Weston 7.5° Quadrang | le · | | | |
| Washburn 80 | Mone Run | Roanoke 7.6' Quadrang | de d'Arth | | WACKERS CREEK | |
| | | | 44 | 78 77 | | |
| The state of | FARTH | | | | Mes. 7 A Street S | |
| | | Stro | 7 | wen / | | |
| | Wall to | | Fark . | | | |
| 47-041-02432 WV 608167 | | | | | | |
| | | Grady Fore | THE P | | | |
| All Control | Glody | | Mine / | Step Mich | Par summer | |
| | | | | 一 | | |
| | Alkires Mills | | Chen Ch | | | |
| U S E | 7 | | | Cm, | vol wlack Trek | |
| Office | of Oil & Gas | Antona A | | | AD 27, South Zone | |
| ALL DEG | 147.2014 K S O N | LAKE | | E: | 724,336.91 2,161,412.16 | |
| TING | AND FISI | H I NG A | REALS | LA | GS 84 XT: 38.987877 DNG: -80.431994 | |
| | | -17- | | EL | EV: 1211.66 | |
| SURVEYING AND MAPPING SERVICES PERFORMED BY: ALLEGHENY SURVEYS, INC. FOT Production Company | | | | | | |
| 1-800-482-8606 237 Birch River Road | | | VO. EG | EQT Production Company P.O. Box 280 | | |

Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

Bridgeport, WV 26330

02/13/2015