



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

July 24, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-4902401, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.


James Martin
Chief

Operator's Well No: 514747
Farm Name: TONKERY, ROBERT E.
API Well Number: 47-4902401
Permit Type: Horizontal 6A Well
Date Issued: 07/24/2015

Promoting a healthy environment.

07/24/2015

PERMIT CONDITIONS**4704902401**

West Virginia Code § 22-6A-8(d) 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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

(4/15)
06/02/15

4704902401

47 049
OPERATOR WELL NO. 514747
Well Pad Name: GLO76

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: EQT Production Company 306686 049 4 374
Operator ID County District Quadrangle

2) Operator's Well Number: 514747 Well Pad Name: GLO76

3) Farm Name/Surface Owner : Robert E. Tonkery Public Road Access: Co Rt 1

4) Elevation, current ground: 1,455.0 Elevation, proposed post-construction: 1,425.0

5) Well Type: (a) Gas Oil Underground Storage
Other _____

(b) If Gas: Shallow Deep
Horizontal

6) Existing Pad? Yes or No: yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thicknesses and Associated Pressure(s):
Target formation is Marcellus at a depth of 7678 with the anticipated thickness to be 50 feet and anticipated target pressure of 2593 PSI

8) Proposed Total Vertical Depth: 7678

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 12195

11) Proposed Horizontal Leg Length 3,911

12) Approximate Fresh Water Strata Depths: 264

13) Method to Determine Fresh Water Depth: By offset wells

14) Approximate Saltwater Depths: 1884, 2124, 2439

15) Approximate Coal Seam Depths: 653, 809, 1068, 1167

16) Approximate Depth to Possible Void (coal mine, karst, other): None reported

17) Does proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No x

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

WRN
6-3-15

RECEIVED
Office of Oil and Gas

JUN 10 2015

WV Department of
Environmental Protection

07/24/2015

4704902401

CASING AND TUBING PROGRAM

API NO. 47 - 049 - _____
 OPERATOR WELL NO. _____ 514747
 Well Pad Name: _____ GLO76

18)

| TYPE | Size (in) | New or Used | Grade | Weight per ft. (lb/ft) | FOOTAGE: For Drilling (ft) | INTERVALS: Left in Well (ft) | CEMENT: Fill-up (Cu.Ft.) |
|--------------|-----------|-------------|-------|------------------------|----------------------------|------------------------------|--|
| Conductor | 20 | New | MC-50 | 81 | 40 | 40 | 38 C.T.S. |
| Fresh Water | 13 3/8 | New | MC-50 | 54 | 414 | 414 | 380 C.T.S. |
| Coal | - | - | - | - | - | - | - |
| Intermediate | 9 5/8 | New | MC-50 | 40 | 3,051 | 3,051 | 1,211 C.T.S. |
| Production | 5 1/2 | New | P-110 | 20 | 12,195 | 12,195 | See Note 1 |
| Tubing | 2 3/8 | | J-55 | 4.6 | | | May not be run, if run will be set 100' less than TD |
| Liners | | | | | | | |

4704902401

WRW 6-3-15

| TYPE | Size (in) | Wellbore Diameter (in) | Wall Thickness (in) | Burst Pressure (psi) | Anticipated Max. Internal Pressure (psi) | Cement Type | Cement Yield (cu. ft./k) |
|--------------|-----------|------------------------|---------------------|----------------------|--|--------------|--------------------------|
| Conductor | 20 | 24 | 0.375 | - | 18 | Construction | 1.18 |
| Fresh Water | 13 3/8 | 17 1/2 | 0.38 | 2,480 | 2184 | * See Note 2 | 1.21 |
| Coal | | | | | | | |
| Intermediate | 9 5/8 | 12 3/8 | 0.395 | 3,590 | 3160 | * See Note 2 | 1.21 |
| Production | 5 1/2 | 8 1/2 | 0.361 | 12,640 | 10112 | - | 1.27/1.86 |
| Tubing | | | | | | | |
| Liners | | | | | | | |

Packers

| | | | |
|-------------|-----|--|--|
| Kind: | N/A | | |
| Sizes: | N/A | | |
| Depths Set: | N/A | | |

Note 1: EQT plans to bring the TOC on the production casing cement job 1,000' above kick off point, which is at least 500' above the shallowest production zone, to avoid communication.

Note 2: Reference Variance 2014-17. (Attached)

RECEIVED
 Office of Oil and Gas
 JUN 10 2015
 WV Department of
 Environmental Protection
 07/24/2015

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and complete a new horizontal well in the Marcellus formation. The vertical drill to go down to an approximate depth of 6909.
Then kick off the horizontal leg into the Marcellus using a slick water frac.

RECEIVED
Office of Oil and Gas

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

JUL 22 2015

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals (including 15% Hydrochloric acid, gelling agent, gel breaker, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to average approximately 8500 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 200,000 barrels of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000 pounds of sand per stage.

WV Department of Environmental Protection

21) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres): no additional

22) Area to be disturbed for well pad only, less access road (acres): no additional

23) Describe centralizer placement for each casing string.
• Surface: Bow spring centralizers - One at the shoe and one spaced every 500'.
• Intermediate: Bow spring centralizers - One cent at the shoe and one spaced every 500'.
• Production: One spaced every 1000' from KOP to int csg shoe

24) Describe all cement additives associated with each cement type. Surface (Type 1 Cement): 0-3% Calcium Chloride
Used to speed the setting of cement slurries.
0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of the cement slurry to a thief zone.
Intermediate (Type 1 Cement): 0-3% Calcium Chloride. Salt is used in shallow, low temperature formations to speed the setting of cement slurries. 0.4% flake. Loss Circulation Material (LCM) is used to combat the loss of whole drilling fluid or cement slurry (not filtrate) to a thief zone.

Production:
Lead (Type 1 Cement): 0.2-0.7% Lignosulfonate (Retarder). Lengthens thickening time.
0.3% CFR (dispersant). Makes cement easier to mix.
Tail (Type H Cement): 0.25-0.40% Lignosulfonate (Retarder). Lengthens thickening time.
0.2-0.3% CFR (dispersant). This is to make the cement easier to mix.
60 % Calcium Carbonate. Acid solubility.
0.4-0.6% Halad (fluid loss). Reduces amount of water lost to formation.

25) Proposed borehole conditioning procedures. Surface: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes. To ensure that there is no fill, short trip two stands with no circulation. If there is fill, bring compressors back on and circulate hole clean. A constant rate of higher than expected cuttings volume likely indicates washouts that will not clean up.
Intermediate: Circulate hole clean (Approximately 30-45 minutes) rotating & reciprocating one full joint until cuttings diminish at surface. When cuttings returning to surface diminish, continue to circulate an additional 5 minutes. If foam drilling, to enhance hole cleaning use a soap sweep or increase injection rate & foam concentration.
Production: Pump marker sweep with nut plug to determine actual hole washout. Calculate a gauge holes bottoms up volume.
Perform a cleanup cycle by pumping 3-5 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

*Note: Attach additional sheets as needed.



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
dep.wv.gov

March 18, 2014

Nabors Completion & Production Services Company
1380 Route 286 Hwy E #121
Indiana PA 15701

Re: Cement Variance Request

Dear Sir or Madam,

This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

- Type 1 (2% Calcium Chloride-Accelerator, 0.25% Super Flake-Lost Circulation, 5.2% Water, 94% Type "1" Cement)

If you have any questions regarding this matter feel free to contact me at 304-926-0499, ext. 1653.

Sincerely,

James Peterson
Environmental Resources Specialist / Permitting

4704900401

Promoting a healthy environment.

Received
Office of Oil & Gas
JUN 02 2015

07/24/2015



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
dep.wv.gov

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

IN THE MATTER OF A VARIANCE FROM) ORDER NO. 2014 - 17
REGULATION 35 CSR § 4-11.4/11.5/14.1)
AND 35 CSR § 8-9.2.h. 4/5/6/8 OF THE)
THE OPERATIONAL)
REGULATIONS OF CEMENTING OIL)
AND GAS WELLS)

REPORT OF THE OFFICE

Nabors Completion & Production Services Co. requests approval of a different cement blend for use in cementing surface and coal protection casing of oil and gas wells.

FINDINGS OF FACT

4704902401

- 1.) Nabors Completion & Production Services Co. proposes the following cement blend:
 - 2% Calcium Chloride (Accelerator)
 - 0.25 % Super Flake (Lost Circulation)
 - 94% Type "1" Cement
 - 5.20 % Water
- 2.) Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24 hours.

Promoting a healthy environment.

Received
Office of Oil & Gas
JUN 02 2015

07/24/2015

CONCLUSIONS OF LAW

Pursuant to Articles 6 and 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to 35 CSR § 4-11.5 and 35 CSR § 8-9.2.h.8 the Chief of the Office of Oil and Gas may approve different cement blends upon the well operator providing satisfactory proof that different cement types are adequate.

ORDER

It is ordered that Nabors Completion & Production Services Co. may use the cement blend listed in Findings of Fact No.1 for the cementing of surface and coal protection casing of oil and gas wells in the State as may be requested by oil and gas operators. The waiting time on the cement blend shall be 8 hours. The cement blend shall be mixed in strict accordance with the specifications for each blend and weight measurements made on-site to assure the cement slurries meet the minimum weight specifications. A sample shall be collected and, if after 8 hours the cement is not set up, additional time will be required. Nabors Completion & Production Services Co. shall keep a record of cement blend jobs in which the cement blend approved under this order is to be used and made available to the Office of Oil and Gas upon request.

Dated this, the 18th day of March, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

4704902401

Received
Office of Oil & Gas
JUN 02 2015

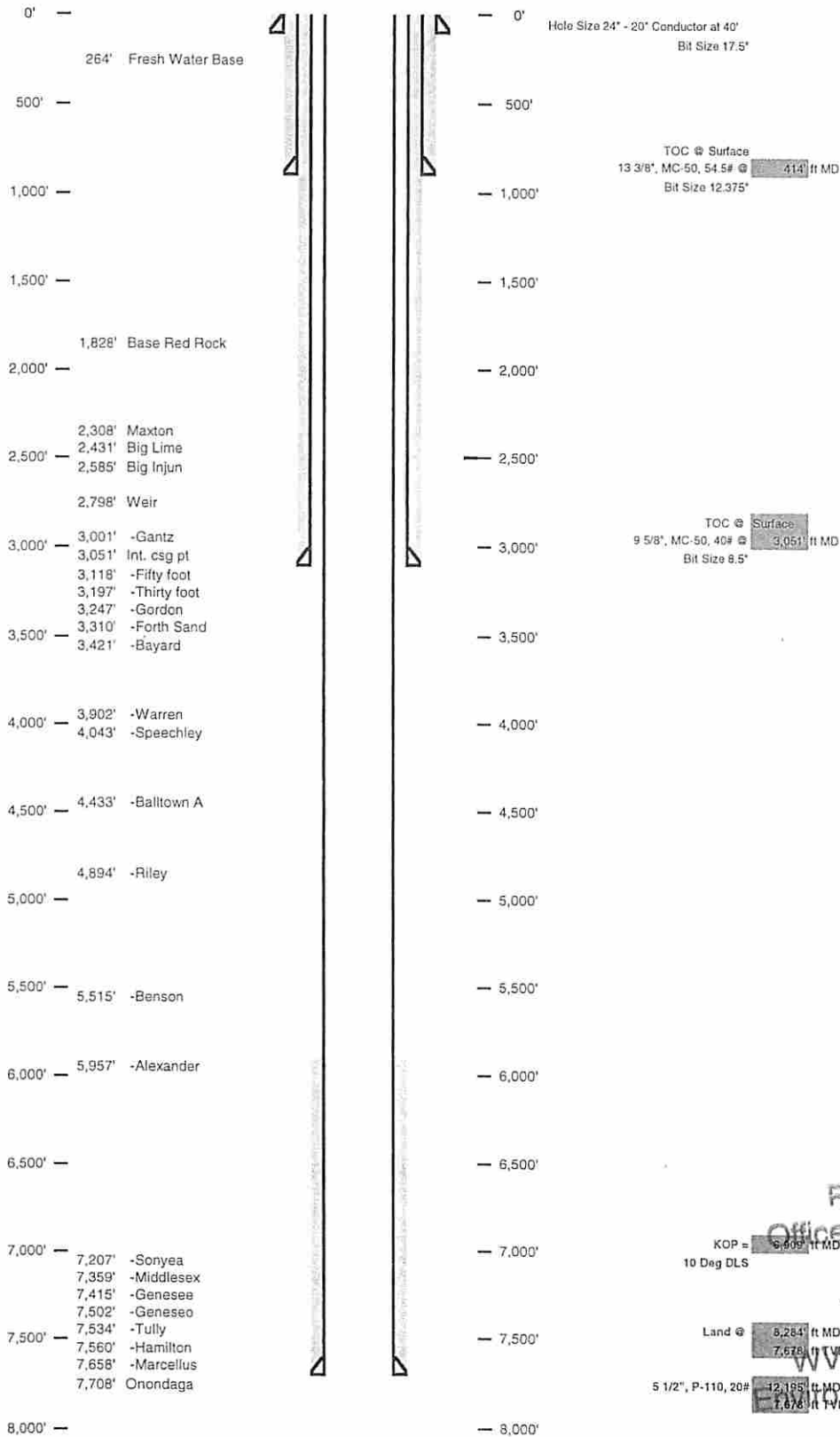
07/24/2015

Well Schematic
EQT Production **4704902401**

Well Name: 514747 (GLO76B4)
County: Marion
State: West Virginia

Elevation KB:
Target
Prospect
Azimuth
Vertical Section

1438
Marcellus
153.45
4555



*WRH
6-3-15*

RECEIVED
Office of Oil and Gas

JUN 10 2015

KOP = 5,909' ft MD
10 Dag DLS

Land @ 5,284' ft MD
7,678' ft MD

5 1/2", P-110, 20# 12,185' ft MD
1,878' ft MD

WV Department of
Environmental Protection

4704902401

Well: 514747 (GLO76H4)
 EOT Production
 GLOVER
 Madison
 West Virginia

Ashtun 153.45
 Vertical Section 455

| TVD Depth (feet) | Formation Tops (TVD) | Ashtun 153.45 Vertical Section 455 | Hole Size (original) | Casing Type | Size (inches) | WT (ppf)/Grade |
|------------------|----------------------|------------------------------------|----------------------|--------------|---------------|----------------|
| 0 | | | 24 | Conductor | 20 | 81#/MC-50 |
| 250' | | | | | | |
| 500' | Blue Earth Water | 264 | 17 1/2" | Surface | 13 3/8" | 54#/MC-50 |
| 750' | | | | | | |
| 1,000' | | | | | | |
| 1,250' | | | | | | |
| 1,500' | | | | | | |
| 1,750' | | | | | | |
| 2,000' | Blue Flint Rock | 713 | | | | |
| 2,250' | | | | | | |
| 2,500' | Marion | 2300 - 2431 | | | | |
| 2,500' | Big Lane | 2431 - 2555 | | | | |
| 2,750' | Big Run | 2555 - 2638 | | | | |
| 2,750' | War | 2638 - 3001 | | | | |
| 3,000' | War | 3001 - 3639 | | | | |
| 3,000' | Blue Flint Rock | 3639 - 3712 | 12 3/8" | Intermediate | 9 5/8" | 40#/MC-50 |
| 3,250' | War | 3712 - 3716 | | | | |
| 3,250' | War | 3716 - 3717 | | | | |
| 3,500' | War | 3717 - 3728 | | | | |
| 3,500' | War | 3728 - 3730 | | | | |
| 3,750' | War | 3730 - 3731 | | | | |
| 3,750' | War | 3731 - 3732 | | | | |
| 4,000' | War | 3732 - 3733 | | | | |
| 4,000' | War | 3733 - 3734 | | | | |
| 4,250' | War | 3734 - 3735 | | | | |
| 4,250' | War | 3735 - 3736 | | | | |
| 4,500' | War | 3736 - 3737 | | | | |
| 4,500' | War | 3737 - 3738 | | | | |
| 4,750' | War | 3738 - 3739 | | | | |
| 5,000' | War | 3739 - 3740 | | | | |
| 5,250' | War | 3740 - 3741 | | | | |
| 5,500' | War | 3741 - 3742 | | | | |
| 5,750' | War | 3742 - 3743 | | | | |
| 6,000' | War | 3743 - 3744 | | | | |
| 6,250' | War | 3744 - 3745 | | | | |
| 6,500' | War | 3745 - 3746 | | | | |
| 6,750' | War | 3746 - 3747 | | | | |
| 7,000' | War | 3747 - 3748 | | | | |
| 7,250' | War | 3748 - 3749 | | | | |
| 7,500' | War | 3749 - 3750 | | | | |
| 7,750' | War | 3750 - 3751 | | | | |

Proposed Well Work:
 Drill and complete a new horizontal well in the Marcellus formation.
 The vertical drill to go down to an approximate depth of 6000'.
 Then kick off the horizontal leg into the Marcellus using a slick water frac.



WRH
 6-3-15

4704902401

RECEIVED
 Office of Oil and Gas
 JUN 10 2015
 WV Department of
 Environmental Protection

07/24/2015

WW-9
(2/15)

Page 1 of 4704902401
API No. 47 - 049 - 514747
Operator's Well No. 514747

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
Fluids/Cuttings Disposal & Reclamation Plan

Operator Name EQT Production Company OP Code 306686
Watershed (HUC10) Starkey Run Quadrangle Glover Gap

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

Will a pit be used? Yes: No:

If so please describe anticipated pit waste: flowback water & residual solids
Will a synthetic liner be used in the pit? Yes No If so, what ml.? 60

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 0014, 8462, 4037)
- Reuse (at API Number Various)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? Yes, The closed loop system will remove drill cuttings from the drilling fluid. The drill cuttings are then prepared for transportation to an off-site disposal facility.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.

Air is used to drill the top-hole sections of the wellbore (surface, intermediate, and pilot). Water based mud may be necessary depending on hole conditions to stabilize and drill the intermediate section. The pilot hole, curve, and lateral sections will be drilled with either air, water based mud, or oil based mud.

- If oil based, what type? Synthetic, petroleum, etc Synthetic mud

Additives to be used in drilling medium? Air - biodegradable oil lubricant , detergent, defoaming, water. Water based mud - Barite, viscosifier, alkalinity control, lime, filtration control, deflocculates, biodegradable oil lubricant , defoaming, walnut shell, salt, x-cide, carbonates.

Oil based mud -synthetic base oil, barite, emulsifier, salt, lime, viscosifier, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant , defoaming, carbonates.

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill

- If left in pit and plan to solidify what medium will be used? (Cement, Lime, sawdust) n/a

- Landfill or offsite name/permit number? See Attached List

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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 Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term 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.

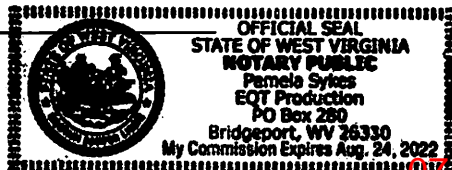
Company Official Signature *Victoria J. Roark*
Company Official (Typed Name) Victoria J. Roark
Company Official Title Permitting Supervisor

Subscribed and sworn before me this 23 day of July, 20 15

Pamela Sykes

Notary Public

My commission expires 8-24-22



07/24/2015

4704902401

Operator's Well No. 514747

Proposed Revegetation Treatment: Acres Disturbed no additional Prevegetation pH 6.1

Lime 3 Tons/acre or to correct to pH 6.5

Fertilize type Granular 10-20-20

Fertilizer Amount 1/3 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|---------------|----------|---------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| KY-31 | 40 | Orchard Grass | 15 |
| Alsike Clover | 5 | Alsike Clover | 5 |
| Annual Rye | 15 | | |

Attach: Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: [Blank lines for notes]

Title: Environmental Inspector Date: 6-3-15

Field Reviewed? (/) Yes () No

4704902401

RECEIVED Office of Oil and Gas JUN 10 2015 WV Department of Environmental Protection



4704902401

Where energy meets innovation.™

Site Specific Safety Plan

EQT GLO76 Pad

Glover Gap

Marion County, WV

514747

For Wells:

4704902401

Wendell

 EQT Production
Permitting Supervisor

 Title

 Date 5/26/15

Date Prepared:

March 26, 2015

William Hendricks

 WV Oil and Gas Inspector
 RECEIVED
 Environmental Office of Oil and Gas

 Title
 6-3-15

 Date JUN 10 2015

WV Department of

07/24/2015

EQT Production Water plan
Offsite disposals for Marcellus wells

CWS TRUCKING INC.

P.O. Box 391
Williamstown, WV 26187
740-516-3586
Noble County/Noble Township
Permit # 3390

BROAD STREET ENERGY LLC

37 West Broad Street
Suite 1100
Columbus, Ohio 43215
740-516-5381
Washington County/Belpre Twp.
Permit # 8462

LAD LIQUID ASSETS DISPOSAL INC.

226 Rankin Road
Washington, PA 15301
724-350-2760
724-222-6080
724-229-7034 fax
Ohio County/Wheeling
Permit # USEPA WV 0014

TRIAD ENERGY

P.O. Box 430
Reno, OH 45773
740-516-6021 Well
740-374-2940 Reno Office Jennifer
Nobel County/Jackson Township
Permit # 4037

TRI COUNTY WASTE WATER MANAGEMENT, INC.

1487 Toms Run Road
Holbrook, PA 15341
724-627-7178 Plant
724-499-5647 Office
Greene County/Waynesburg
Permit # TC-1009

KING EXCAVATING CO.

Advanced Waste Services
101 River Park Drive
New Castle, Pa. 16101
Facility Permit# PAR000029132

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive
Bridgeport, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

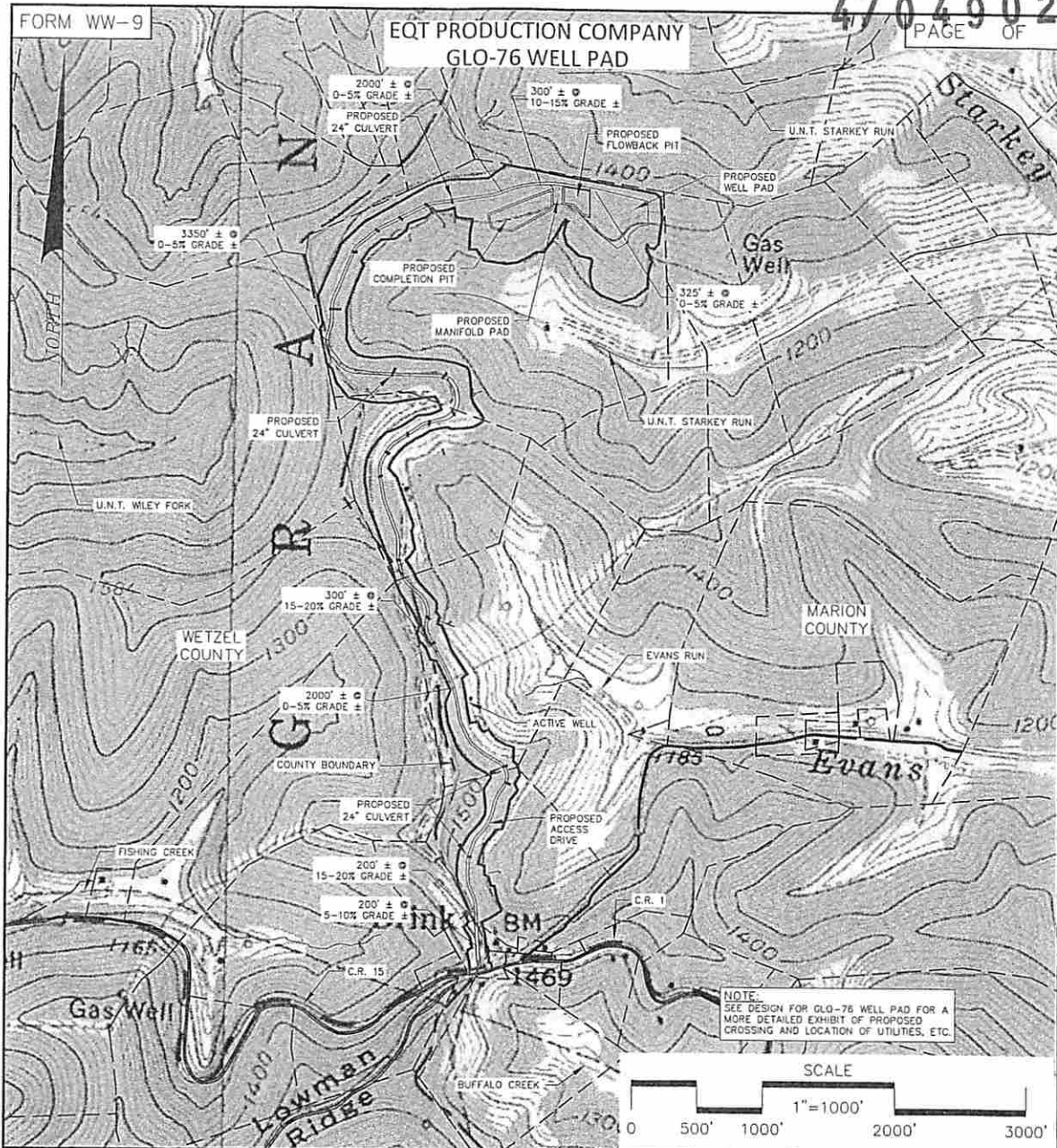
Waste Management - Northwestern Landfill

512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

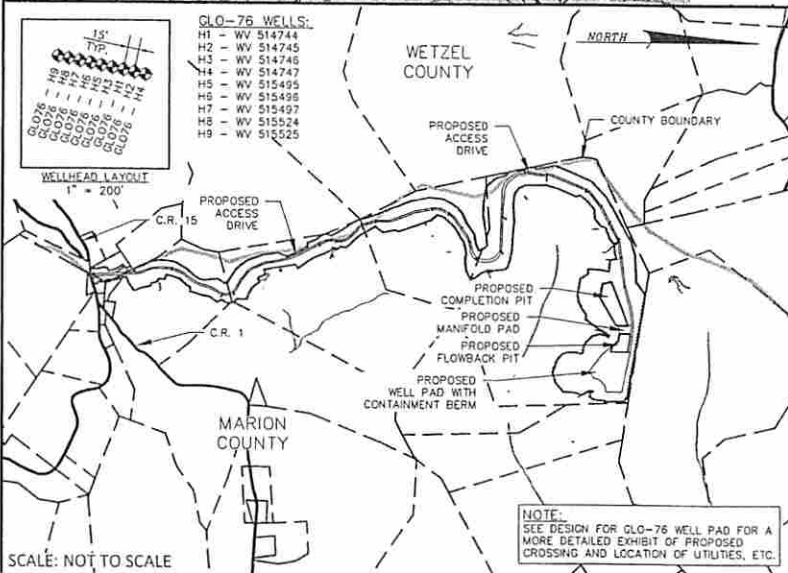
4704902401

Received
Office of Oil & Gas
JUN 02 2015

07/24/2015



WRH
6-3-15



ALL ROADS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV DEP OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV DOT REGULATION SEPARATE PERMITS MAY BE REQUIRED BY DOT.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV DEP OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT AND STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

- = PROPOSED CULVERT 18" MIN UNLESS OTHERWISE NOTED
- = EXISTING CULVERT
- = APPROXIMATE LIMIT OF DISTURBANCE

NOTE:
SEE DESIGN FOR GLO-76 WELL PAD FOR A MORE DETAILED EXHIBIT OF PROPOSED CROSSING AND LOCATION OF UTILITIES, ETC.

SCALE: NOT TO SCALE

CONSTRUCTION AND RECLAMATION PLAN

GLO-76 WELL PAD

GRANT & MANNINGTON
TAX DISTRICTS

WETZEL & MARION
COUNTIES, WV



RETTEW
RETTEW Associates, Inc.
One Robinson Plaza
Suite 200
6600 Steubenville Pike
Pittsburgh, PA 15205

DRAWN BY: KRM

DATE: 3/05/2015

SCALE: AS NOTED

RECEIVED
Office of Oil and Gas

JUN 10 2015

WV Department of

07/24/2015

8,800'

Latitude: 39° 35' 00"

Longitude: 80° 27' 30"

WV 514747
EQT Production Company
Bower et al LEASE
111.0 Acres ±

| Lease No. | Acres | Owner |
|-----------|-------|-----------------------------|
| 300684 | 79 | Richard G. Thorne et. al. |
| 993296 | 35 | Ronnie David Starkey |
| 993303 | 106.5 | East Resources Inc. et. al. |

WV 514747 Well Point Coordinates

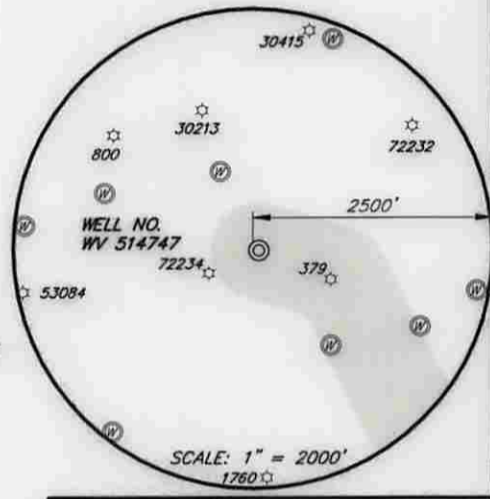
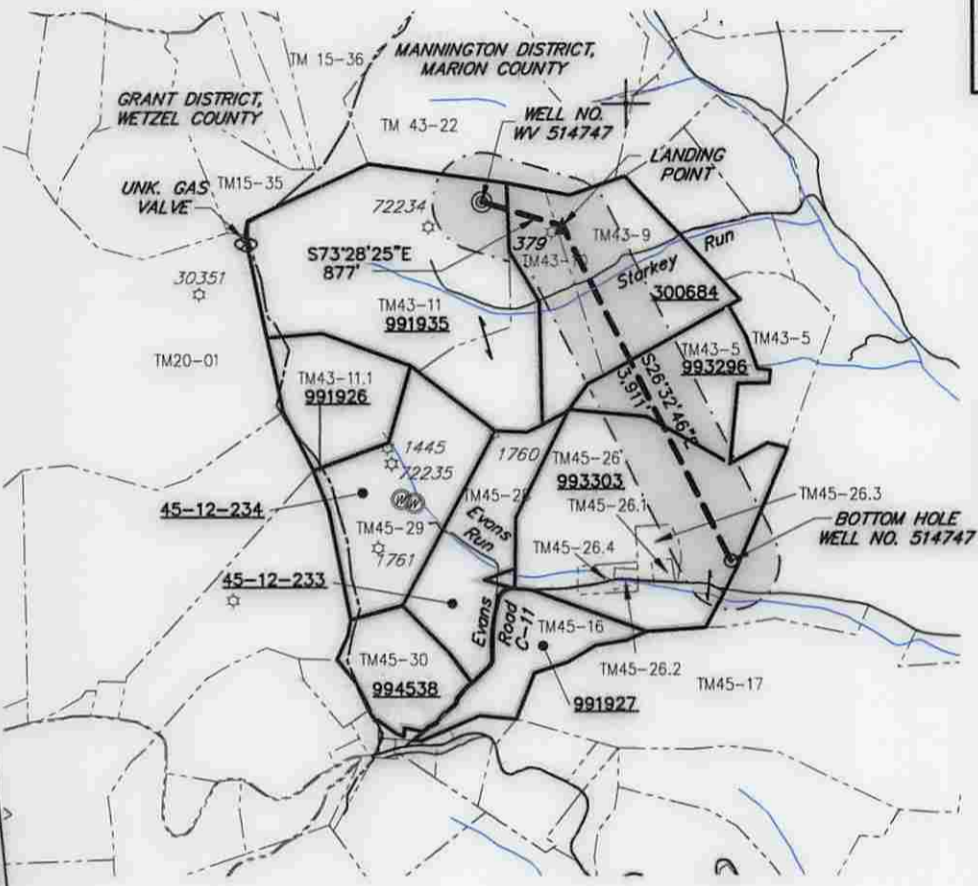
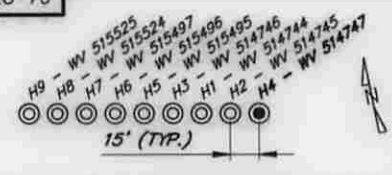
| Top Hole Coordinates | | |
|---------------------------|----------------|-----------------|
| NAD 27 S.P.C. (Ft.) | N: 389,051.0 | E: 1,721,044.74 |
| NAD 27 GEO | LAT: 39.56392 | LONG: 80.489477 |
| NAD 83 UTM 17N (M) | N 4,379,497.5 | E: 543,870.4 |
| NAD 83 S.P.C. (Ft.) | N 389,092.3 | E: 1,689,606.0 |
| Landing Point Coordinates | | |
| NAD 27 S.P.C. (Ft.) | N: 388,805.31 | E: 1,721,885.18 |
| NAD 27 GEO | LAT: 39.563305 | LONG: 80.486486 |
| NAD 83 UTM 17N (M) | N 4,379,207.0 | E: 544,112.6 |
| NAD 83 S.P.C. (Ft.) | N 388,842.9 | E: 1,690,446.4 |
| Bottom Hole Coordinates | | |
| NAD 27 S.P.C. (Ft.) | N: 385,306.78 | E: 1,723,633.14 |
| NAD 27 GEO | LAT: 39.553753 | LONG: 80.480151 |
| NAD 83 UTM 17N (M) | N 4,378,368.6 | E: 544,678.0 |
| NAD 83 S.P.C. (Ft.) | N 385,344.4 | E: 1,692,194.3 |

LEGEND

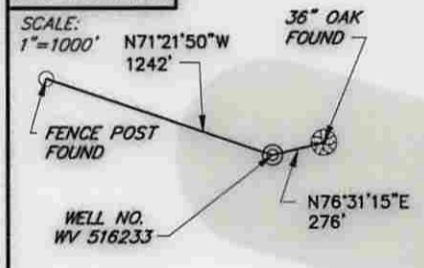
- ☆ EXISTING OIL/GAS WELL
- ⊙ WATER FEATURE
- ⊙ WELL HEAD TOP HOLE
- ▲ WELL LANDING POINT
- WELL BOTTOM HOLE
- REBAR FOUND
- STONE FOUND
- WELL LATERAL LINE
- LEASE BOUNDARY
- BUFFER
- PROPERTY LINE
- STREAM
- 500' LATERAL COLLECTION

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.

GLO 76



Well References

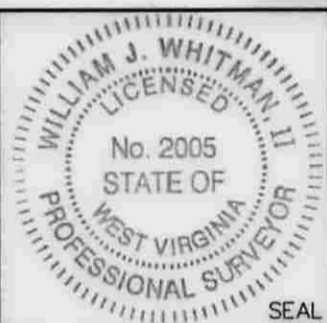


- PLAN -

(+) 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.



FILE NO.: EES-60635
DRAWING NO.: GLO76_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: MAY 28, 2015
OPERATORS WELL NO. WV 514747
API WELL NO. _____
47 049 02401
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF GAS) PRODUCTION STORAGE DEEP SHALLOW
LOCATION, ELEVATION: 1455' (Ground) 1425' (Prop.) WATERSHED: Starkey Run QUADRANGLE: GLOVER GAP, WV
DISTRICT: MANNINGTON COUNTY: Marion
SURFACE OWNER: Robert E. Tonkery ACREAGE: 111.00± AC
ROYALTY OWNER: Lynn Ann Brower, et al LEASE NO.: 991935 ACREAGE: 111.00± 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: 7,649'

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: 5/28/2015 CAD FILE: GLO76_WELL PLAT_05-28-2015.DWG

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

| Lease Name or Number | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book/Page |
|----------------------|---|------------------------------------|-------------------|------------|
| | | | 4704902407 | |
| | | | Min 1/8 pd | |
| 991935 | Donald E. Huey, et al | EQT Production Company | | DB1128/230 |
| 300684 | A.S. Kendall and Pricilla Kendall, his wife | Hope Natural Gas Company | | DB170/404 |
| | Hope Natural Gas Company | Consolidated Gas Supply Corp | | DB680/35 |
| | Consolidated Gas Supply Corp | Consolidated Gas Transmission Corp | | AB9/912 |
| | Consolidated Gas Transmission Corp | CNG Transmission Corp | | CB46/654 |
| | CNG Transmission Corp | Eastern States Oil & Gas, Inc | | AB16/993 |
| | Eastern States Oil & Gas, Inc | Blazer Energy Corp | | CB53/99 |
| | Blazer Energy Corp | Eastern States Oil & Gas, Inc | | CB53/96 |
| | Eastern States Oil & Gas, Inc | Equitable Production Company | | CB13/14 |
| | Equitable Production Company | EQT Production Co. | | CB61/558 |
| 993296 | Ronnie David Starkey | EQT Production Company | | LB1125/532 |
| 993303 | East Resources, Inc., et al | EQT Production Company | | DB1145/565 |

Upon information and belief, Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including under any public roads that the well lateral crosses.

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company
By: 
Its: Permitting Supervisor

Page 1 of 1

4704902401

07/24/2015

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

Date of Notice Certification: _____

API No. 47 - 049 - 0
Operator's Well No. 514747
Well Pad Name: GLO76

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

| | |
|-------------------------------|---|
| State: <u>WV</u> | UTM NAD 83 Easting: <u>543,870.40</u> |
| County: <u>Marion</u> | UTM NAD 83 Northing: <u>4,379,497.30</u> |
| District: <u>Mannington</u> | Public Road Access: <u>Co Rt 1</u> |
| Quadrangle: <u>Glover Gap</u> | Generally used farm name: <u>Robert E Tonkery</u> |
| Watershed: <u>Starkey Run</u> | |

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

| | |
|---|---|
| <p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OR</p> <p><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> NOTICE OF APPLICATION</p> | <p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> |
|---|---|

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

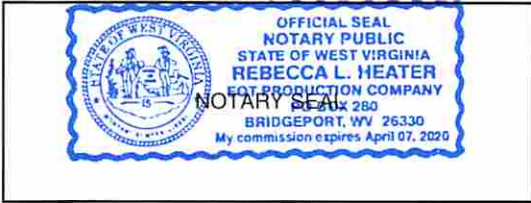
07/24/2015

Certification of Notice is hereby given:

THEREFORE, I *[Signature]*, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Well Operator: EQT Production Company
By: Victoria J. Roark
Its: Permitting Supervisor
Telephone: 304-848-0076

Address: P.O. Box 280
Bridgeport, WV 26330
Facsimile: 304-848-0040
Email: vroark@eqt.com



Subscribed and sworn before me this 26 day of May, 2015
Rebecca L Heater Notary Public
My Commission Expires 4-7-20

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

4704902401

WW-6A
(9-13)

API NO. 47 - 049 - 0
OPERATOR WELL NO. 514747
Well Pad Name: GLO76

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: MAY 26 2015 Date Permit Application Filed: MAY 26 2015

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

4704902401

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

- Application Notice
- WSSP Notice
- E&S Plan Notice
- Well Plat Notice is hereby provided to:

SURFACE OWNER(S)
 Name: Robert E Tonkery
 Address: 33 Tonkery Dr
Fairmont WV 26554

COAL OWNER OR LESSEE
 Name: Consol Mining Company LLC
 Address: CNX Center 1000 Consol Energy Dr
Canonsburg PA 15317

Name: _____
 Address: _____

COAL OPERATOR
 Name: _____
 Address: _____

See attached for additional coal owners.

SURFACE OWNERS(S) (Road and/or Other Disturbance)
 Name: Robert E Tonkery
 Address: 33 Tonkery Dr
Fairmont WV 26554
See Attached

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(S)
 Name: Robert S & Gloria L Thorn
 Address: 12 Rainbow Rd
Mannington WV 26582

Name: _____
 Address: _____

SURFACE OWNER(S) (Impoundments/Pits)
 Name: Robert E Tonkery
 Address: 33 Tonkery Dr
Fairmont WV 26554

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
 Name: _____
 Address: _____

*Please attach additional forms if necessary

07/24/2015

WW6-A

Additional Surface Owners: Access Road

Beverly E Hickman ✓
132 Joes Run Road
Morgantown WV 26508

Paul W Glover ✓
15861 Rt 301
LaGrange OH 44050

Raymond C Teagarden ✓
718 Evans Run Road
Mannington WV 26582

David A Floyd & Diane E Floyd ✓
12 Emily Ct
Fairmont WV 26554

Keith A & Rita G Powell ✓
3898 Buffalo Brink Road
Mannington WV 26582

Additional Coal Owners

Murray American Energy Inc ✓
C/O Murray Energy Corporation
46226 National Road
St Clairsville OH 43950

Murray American Energy Inc ✓
1 Bridge Street
Monongah WV 26554

CNX RCPC LLC ✓
CNX Center
1000 Consol Energy Dr
Canonsburg PA 15317

CNX Gas Company LLC ✓
1000 Consol Energy Dr
Canonsburg PA 15317

Reliable Energy Productin LLC ✓
1700 Bank of America Plaza
300 South Fourth St
Las Vegas NV 89101

Additional Water Purveyors

Paul Able et al Trustee ✓
PO Box 312
New Martinsville WV 26155

4704902401

07/24/2015

Notice is hereby given by:

Well Operator: EQT Production Company
Telephone: 304-848-0082
Email: Vroark@eqt.com

Address: 115 Professional Place P.O. Box 280
Bridgeport, WV 26330
Facsimile: 304-848-0041

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

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, 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.



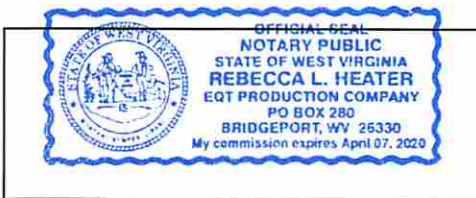
By: Victoria Roark

Its: Permitting Supervisor

Subscribed and sworn before on 20 day of May, 2015

Rebecca L. Heater Notary Public

My Commission Expires 4-7-20



4704902401

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oilandgas/pages/default.aspx.

4704902409

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.
NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

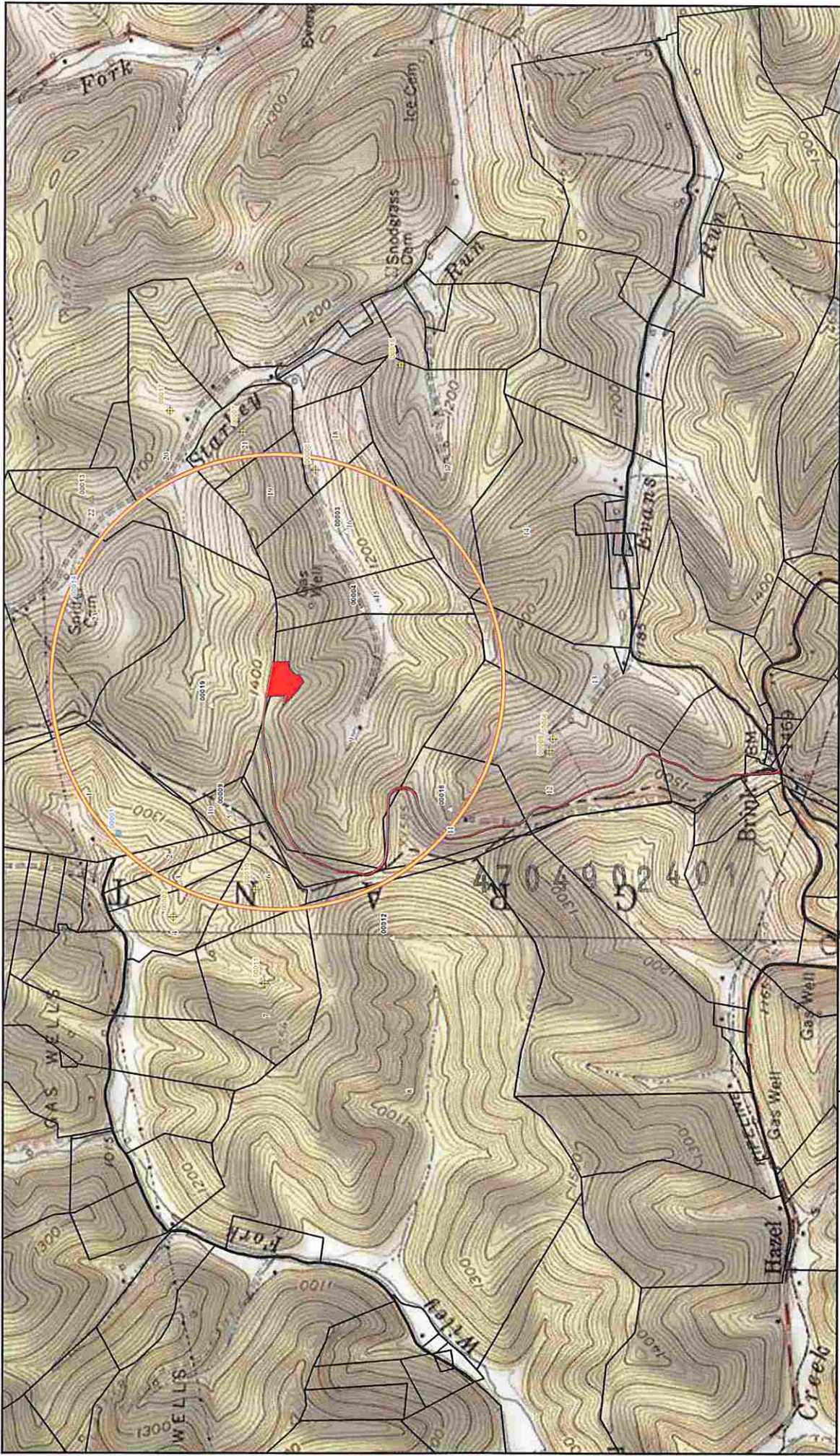
Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.



EQT **REVIEW**

1 inch = 1000 feet

0 1000 2000 Feet

Well Pad Location
 Well Confirmed Not to be
 (Some Pads are Not Confirmed)
 Well Location
 Spring
 Source Unclassified
 Pad
 2,500 ft Buffer
 Well Road
 Parcel Boundary

EQT Production Company
G1076 Pad
 Residential Water Supply Map
 Project No. 102612026
 Grant and Mahoning Tax Districts, Marion and Wheel Counties, WV

Received
 Office of Oil & Gas
 JUN 02 2015

07/24/2015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

Date of Notice: 3/6/2015 **Date Permit Application Filed:** 3/16/15

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

| | | | |
|----------|--------------------------|----------|----------------------------|
| Name: | <u>Robert E Tonkery</u> | Name: | <u>Beverly E Hickman</u> |
| Address: | <u>33 Tonkery Dr</u> | Address: | <u>132 Joes Run Road</u> |
| | <u>Fairmont WV 26554</u> | | <u>Morgantown WV 26508</u> |

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

| | | | | |
|-------------|--------------------|------------|---------------------------|-------------------------|
| State: | <u>WV</u> | UTM NAD 83 | Easting | <u>543,879.00</u> |
| County: | <u>Marion</u> | | Northing | <u>4679,497.39</u> |
| District: | <u>Mannington</u> | | Public Road Access: | <u>Co Rt 1</u> |
| Quadrangle: | <u>Glover Gap</u> | | Generally used farm name: | <u>Robert E Tonkery</u> |
| Watershed: | <u>Starkey Run</u> | | | |

Received
Office of Oil & Gas
JUN 04 2015

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx

Notice is hereby given by:

| | | | |
|----------------|--|----------------------------|--|
| Well Operator: | <u>EQT Production Company</u> | Authorized Representative: | <u>Victoria Roark</u> |
| Address: | <u>115 Professional Place, P.O Box 280</u> | Address: | <u>115 Professional Place, P.O Box 280</u> |
| | <u>Bridgeport, WV 26330</u> | | <u>Bridgeport, WV 26330</u> |
| Telephone: | <u>304-848-0076</u> | Telephone: | <u>304-848-0076</u> |
| Email: | <u>vroark@eqt.com</u> | Email: | <u>vroark@eqt.com</u> |
| Facsimile: | <u>304-848-0041</u> | Facsimile: | <u>304-848-0041</u> |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/24/2015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

Date of Notice: 3/6/2015 **Date Permit Application Filed:** 3/16/15

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

| | | | |
|--------------------------|---------------|-------------------------------------|---|
| <input type="checkbox"/> | HAND DELIVERY | <input checked="" type="checkbox"/> | CERTIFIED MAIL RETURN RECEIPT REQUESTED |
|--------------------------|---------------|-------------------------------------|---|

4704902401

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

| | |
|--|--|
| Name: <u>David A Floyd & Diane E Floyd</u> | Name: <u>Keith A & Rita G Powell</u> |
| Address: <u>12 Emily Ct</u> | Address: <u>3898 Buffalo Brink Road</u> |
| <u>Fairmont WV 26554</u> | <u>Mannington, WV 26582</u> |

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

| | | |
|-------------------------------|---|------------------------------|
| State: <u>WV</u> | UTM NAD 83 | Easting <u>543,870.40</u> |
| County: <u>Marion</u> | | Northing <u>4,379,497.30</u> |
| District: <u>Mannington</u> | Public Road Access: <u>Co Rt 1</u> | |
| Quadrangle: <u>Glover Gap</u> | Generally used farm name: <u>Robert E Tonkery</u> | |
| Watershed: <u>Starkey Run</u> | | |

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx

Notice is hereby given by:

| | |
|---|---|
| Well Operator: <u>EQT Production Company</u> | Authorized Representative: <u>Victoria Roark</u> |
| Address: <u>115 Professional Place, P.O Box 280</u> | Address: <u>115 Professional Place, P.O Box 280</u> |
| <u>Bridgeport, WV 26330</u> | <u>Bridgeport, WV 26330</u> |
| Telephone: <u>304-848-0076</u> | Telephone: <u>304-848-0076</u> |
| Email: <u>vroark@eqt.com</u> | Email: <u>vroark@eqt.com</u> |
| Facsimile: <u>304-848-0041</u> | Facsimile: <u>304-848-0041</u> |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/24/2015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

Date of Notice: 3/6/2015 **Date Permit Application Filed:** 3/16/15

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY

CERTIFIED MAIL RETURN RECEIPT REQUESTED
4704902401

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: Provided, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: Provided, however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Paul W Glover
Address: 15861 Rt 301
LaGrange OH 44050

Name: Raymond Teagarden
Address: 718 Evans Run Road
Mannington, WV 26582

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

| | | | | |
|-------------|--------------------|------------|---------------------------|-------------------------|
| State: | <u>WV</u> | UTM NAD 83 | Easting | <u>543,870.40</u> |
| County: | <u>Marion</u> | | Northing | <u>4,379,497.30</u> |
| District: | <u>Mannington</u> | | Public Road Access: | <u>Co Rt 1</u> |
| Quadrangle: | <u>Glover Gap</u> | | Generally used farm name: | <u>Robert E Tonkery</u> |
| Watershed: | <u>Starkey Run</u> | | | |

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx

Notice is hereby given by:

Well Operator: EQT Production Company
Address: 115 Professional Place, P.O Box 280
Bridgeport, WV 26330
Telephone: 304-848-0076
Email: vroark@eqt.com
Facsimile: 304-848-0041

Authorized Representative: Victoria Roark
Address: 115 Professional Place, P.O Box 280
Bridgeport, WV 26330
Telephone: 304-848-0076
Email: vroark@eqt.com
Facsimile: 304-848-0041

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/24/2015

WW-6A5
(1/12)

Operator Well No. 514747

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: MAY 26 2015 Date Permit Application Filed: MAY 26 2015

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL RETURN RECEIPT REQUESTED HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

470.4902401

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Robert E Tonkery
Address: 33 Tonkery Dr
Fairmont WV 26554

Name: Beverly E Hickman
Address: 132 Joes Run Road
Morgantown WV 26508

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 543,870.400000
County: Marion Northing: 4,379,497.300000
District: Mannington Public Road Access: Co Rt 1
Quadrangle: Glover Gap Generally used farm name: Robert E Tonkery
Watershed: Starkey Run

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: EQT Production Company
Telephone: 304-848-0082
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280
Bridgeport, WV 26330
Facsimile: 304-848-0040

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
JUN 02 2015

07/24/2015

WW-6A5
(1/12)

Operator Well No. 514747

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: MAY 26 2015 Date Permit Application Filed: MAY 26 2015

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Paul W Glover
Address: 15861 Rt 301
LaGrange OH 44050

Name: Raymond C Teagarden
Address: Evans Run Road
Mannington WV 26582

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 543,870.400000
County: Marion Northing: 4,379,497.300000
District: Mannington Public Road Access: Co Rt 1
Quadrangle: Glover Gap Generally used farm name: Robert E Tonkery
Watershed: Starkey Run

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: EQT Production Company
Telephone: 304-848-0082
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280
Bridgeport, WV 26330
Facsimile: 304-848-0040

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/24/2015

WW-6A5
(1/12)

Operator Well No. 514747

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: MAY 26 2015 Date Permit Application Filed: MAY 26 2015

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL RETURN RECEIPT REQUESTED HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: David A Floyd & Diane E Floyd
Address: 12 Emily Ct
Fairmont WV 26554

Name: Keith A & Rita G Powell
Address: 3898 Buffalo Brink Road
Mannington WV 26582

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 543,870.400000
County: Marion Northing: 4,379,497.300000
District: Mannington Public Road Access: Co Rt 1
Quadrangle: Glover Gap Generally used farm name: Robert E Tonkery
Watershed: Starkey Run

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Received
Office of Oil & Gas
JUN 02 2015

Well Operator: EQT Production Company
Telephone: 304-848-0082
Email: vroark@eqt.com

Address: 115 Professional Place, P.O. Box 280
Bridgeport, WV 26330
Facsimile: 304-848-0040

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/24/2015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Ryan Arp, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

| | | | | |
|-------------|----------------------|---------------------------|-----------|----------------------|
| State: | <u>West Virginia</u> | WVSPN NAD 27 | Easting: | <u>1,721,044.740</u> |
| County: | <u>Marion</u> | | Northing: | <u>389,054.660</u> |
| District: | <u>Grant</u> | Public Road Access: | | |
| Quadrangle: | <u>GLOVER GAP</u> | Generally used farm name: | | |
| Watershed: | | | | |

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials, **provided that EQT Production Company drills the well on WV North NAD27 coordinates of North 389,054.660, East 1,721,044.740. This statement does not serve as notice that CONSOL Mining Company LLC has waived its rights to mine all the coal or accept any responsibility for any damage to the well or surface facilities associated with the well by CONSOL Mining Company LLC mining activity. This Voluntary Statement of No Objection does not waive CONSOL Mining Company LLC's Common Law Property Rights in the State of West Virginia.**

| | |
|---|--|
| <p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input checked="" type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input checked="" type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p> | <p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: _____</p> |
| | <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>CONSOL Mining Company LLC</u></p> <p>By: <u>Ryan Arp</u></p> <p>Its: <u>Project Engineer</u></p> |
| | <p>Signature: _____</p> <p>Date: <u>6/4/2015</u></p> |
| | <p style="text-align: center;">Received Office of Oil & Gas JUN 15 2015</p> |
| | |
| | |
| | |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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.

07/24/2015

49-02401

6/2



CONSOL Energy Inc.
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

phone: 724.485.4483
fax: 724.485.4841
e-mail: RyanArp@consolenergy.com
web: www.consolenergy.com

RYAN ARP
Project Engineer

June 4, 2015

Mr. James Martin
West Virginia Department of Environmental Protection
601 57th Street
Office of Oil & Gas
Charleston, West Virginia 25304

4704902401

RE: EQT Production Company Proposed GLO76 – 514747 Well

Dear Mr. Martin,

At this time CONSOL Mining Company LLC does not object to the well drilling application for the above referenced proposed well. Attached is the voluntary statement of no objection form WW-6AW.

CONSOL Mining Company LLC had previously approved 4 wells on the GLO76 pad (GLO76H1-H4). At that time the locations of the proposed wells and the GLO76 site were agreeable to CONSOL Mining Company LLC, however due to a major transfer of assets, CONSOL Mining Company LLC has adjusted projected mining plans for this reserve area. Due to this adjustment in future mining plans the proposed well locations are now located in a projected longwall panel of the Mason Dixon Mine Project. CONSOL Mining Company LLC provided EQT Production Company with alternate locations for the wells on the GLO76 pad to locate the wells outside of projected longwall mining in the abutment pillar center line of the longwall development section where a pillar permit could be obtained to mine around the well bores, or to a location outside of CONSOL Mining Company LLC's revised projected mining plans. EQT Production Company replied that it was unable to move the wells to one of the proposed alternate locations shown on the attached map. If you have any questions or require additional information, please contact me at 724-485-4483.

Received
Office of Oil & Gas
JUN 16 2015

07/24/2015

Sincerely,



Ryan Arp
Project Engineer

RE: EQT Production Company Proposed GLO76H2 (514745) Wells

4704902401

Received
Office of Oil & Gas
JUN 15 2015

07/24/2015



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin
Governor

Paul A. Mattox, Jr., P. E.
Secretary of Transportation/
Commissioner of Highways

4704902401

June 13, 2014

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the GLO 76 Pad Site, Marion County

| | | |
|----------------|----------------|----------------|
| 514744 GLO76H1 | 514745 GLO76H2 | 514746 GLO76H3 |
| 514747 GLO76H4 | 515495 GLO76H5 | 515496 GLO76H6 |
| 515497 GLO76H7 | 515524 GLO76H8 | 515525 GLO76H9 |

Dear Dr. Martin,

This well site will be accessed from Permit # 04-2014-0722 applied for by EQT Production Company for access to the State Road. The well site is located off of Marion County Route 1 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

Cc: Nick Bumgardner
EQT Production Company
CH, OM, D-4, File

Anticipated Frac Additives
Chemical Names and CAS numbers

| <u>Material</u> | <u>Ingredient</u> | <u>CAS Number</u> |
|-----------------------|--|-------------------|
| Water | | |
| Sand | Hydrotreated light petroleum distillate | 14808-60-7 |
| Friction Reducer | Tributyl tetradecyl phosphonium chloride | 64742-47-8 |
| Biocide | Ammonium chloride | 81741-28-8 |
| Scale Inhibitor | Hydrochloric Acid | 12125-02-9 |
| 15% Hydrochloric Acid | Propargyl Alcohol | 7647-01-0 |
| Corrosion Inhibitor | Methanol | 107-19-7 |
| Corrosion Inhibitor | Guar Gum | 67-56-1 |
| Gelling Agent | Sodium Persulfate | 9000-30-0 |
| Oxidizing Breaker | Potassium Carbonate | 7775-27-1 |
| Buffering Agent | | 584-08-7 |

4704902401

Received
Office of Oil & Gas
JUN 02 2015

07/24/2015

RECEIVED
Office of Oil and Gas

4704902401

JUL 22 2015

WV Department of
Environmental Protection

IMP-1A



Office of Oil and Gas

West Virginia Department of
Environmental Protection
Office of Oil & Gas
601 57th Street SE
Charleston, WV 25304-2345

| |
|--|
| DEP Office Use only |
| Date Received by Oil & Gas. |
| Assigned Impoundment ID # <u>049-WPA-00008</u> |

Permit Associated Impoundment / Pit Registration

Instruction: This form is to be used to register impoundments or waste pits, greater than 5,000 bbls, that are associated with a WVDEP, Office of Oil and Gas well drilling permit. An associated impoundment or pit means it has been designed and included in the well drilling permit application, will follow the reclamation time frame of well work permit, and will be approved in conjunction with the well work permit. An impoundment ID number will be assigned by WVDEP, Office of Oil and Gas, to all impoundments and pits. This impoundment ID number will be sent to the applicant following receipt of this form by WVDEP. Please reference this impoundment ID number with all future correspondence and reference to this impoundment. Conditions as described in W Va. State Rule §35-4-21 will be followed as it relates to impoundments and pits.

Section 1 – Operator and Facility Information

| | | | |
|---------------------|---|---------------|--------------------------|
| Operator Name | EQT Corporation | | |
| Operator ID | 306686 | | |
| Name of Structure * | GLO76 Flowback Pit | | |
| Address, Street | 115 Professional Place, Professional Building One | | |
| City | Bridgeport | State: WV | Zip 26330 |
| Contact Name | Fred Gray | Contact Title | Landman II - WV Drilling |
| Contact Phone | 304-848-0085 | Contact Email | fgray@eqt.com |

Section 2 – Engineering / Design Contractor Information

| | | | |
|--|--|----------------|-------------------|
| Design will be contracted | <input type="checkbox"/> Designed in-house <input checked="" type="checkbox"/> | | |
| Company Name | RETTEW Associates, Inc | | |
| Address, Street | Twin Towers, 4955 Steubenville Pike, Suite 305 | | |
| City | Pittsburgh | State: PA | Zip: 15205 |
| Contact Name: | Brian Spray | Contact Title | Project Manager |
| Contact Phone: | 412-446-1728 | Contact Email: | bspray@rettew.com |
| Certifying Professional Engineer | Eric W Hershay | | |
| Professional Engineer Registration Number: | 19074 | | |

IMP-1A



Office of Oil and Gas

Section 3 - Impoundment / Pit Information

RECEIVED
Office of Oil and Gas

JUL 22 2015

WV Department of
Environmental Protection

| | | |
|--|--|------------------------|
| Type of Structure. Check one of two choices below. <input type="checkbox"/> Freshwater Impoundment <input checked="" type="checkbox"/> Waste Pit Note: Any waste in a pit will make it a waste pit. | | |
| Name of Structure* <u>GLO76 Flowback Pit</u> | | |
| County: <u>Manon</u> | District: <u>Mannington</u> | |
| USGS 7.5' Quad Map Name: <u>Glover Gap</u> | | |
| Farm Name: <u>Tonkery</u> | | |
| Pad Name: <u>GLO76</u> | | |
| Surface Owner Name: <u>Tonkery, Robert E. Widower</u> | | |
| Physical Description of Location: <u>North of Brnk Road (CR-1), 10 miles west of Mannington, near the county line</u> | | |
| (Note: Give general location, example: 2 miles south of Smalltown, WV on Rt. 22, left on Buffalo Creek) | | |
| Watershed (nearest perennial): <u>UNT to Starkey Run</u> | | |
| Distance (Drainage Distance) to nearest perennial stream: <u>880'</u> | | |
| Location Coordinates (NAD83, Decimal Degrees (xx.xxxx, -xx.xxxx)) | | |
| Latitude: <u>39.5643</u> | Longitude (Use negative sign): <u>-80.4905</u> | |
| UTM Coordinates: <u>543,767.00</u> | E | <u>4,379,521.47</u> N |
| Access Road Coordinates (junction of state highway access) | | |
| Latitude: <u>39.5482</u> | Longitude (Use negative sign): <u>-80.4930</u> | |
| UTM Coordinates: <u>543,565.39</u> | E | <u>4,377,739.01</u> N |
| Approximate Dimensions | | |
| Length: <u>210'</u> | Width: <u>130'</u> | Height: <u>15'</u> |
| Note: If irregularly shaped, give approximate dimensions of long axis | | |
| Total Capacity - Provide all units of measure below | | |
| Barrels: <u>38,291</u> | Gallons: <u>4.61 Million</u> | Acre-Feet: <u>4.94</u> |
| Capacity with 2' Freeboard - Provide all units of measure below | | |
| Barrels: <u>29,096</u> | Gallons: <u>1.22 Million</u> | Acre-Feet: <u>3.75</u> |
| Incised volume | | |
| Barrels: <u>3,507</u> | Gallons: <u>0.15 Million</u> | Acre-Feet: <u>0.45</u> |
| Net impounded volume: (Total volume less incised volume) | | |
| Barrels: <u>34,784</u> | Gallons: <u>1.46 Million</u> | Acre-Feet: <u>4.48</u> |
| Anticipated Construction Start Date (estimation, non-binding): <u>9/12/14</u> | | |
| Note: No construction may begin on Associated impoundment until WVDEP issues the drilling permit. At least 7 calendar days prior to confirmed construction start date, notify the Office of Oil & Gas, and the local Oil and Gas inspector of construction start date. Use form IMP-2, "Notification of Impoundment / Pit Construction." | | |

IMP-1A



Office of Oil and Gas

Section 4 - Associated Well Numbers and API Numbers. List associated well numbers and API number API numbers may not be assigned at time of registering this impoundment, if so list as pending.

| Well Number(s): | API Number(s) – If issued: |
|-----------------|----------------------------|
| 514745 | pending |
| 515495 | pending |
| 515496 | pending |
| 515497 | pending |
| 515524 | pending |
| 515525 | pending |
| | |

RECEIVED
Office of Oil and Gas

JUL 22 2015

WV Department of
Environmental Protection

Section 5 - Required Information Checklist To Register Permit Associated Impoundments or Pits. Include the following information and plans with application.

- Engineered Construction Plans, certified by WV Registered P.E.
- Erosion and Sediment Control Plan, certified by WV Registered P.E.
- Reclamation Plan, certified by WV Registered P.E.

Section 6 -- Dam Standard Qualifying Evaluation

- The design of this structure has been evaluated by the applicant to determine it does NOT qualify to be defined as a dam, under WV Va Rule §47-34. If the design of this structure qualifies it to be defined as a dam all permits regulating dams will be required prior to registering the structure with the Office of Oil and Gas. The dam standard, from the WVDEP, Div. Of Water and Waste, is available for review at <http://www.dep.wv.gov/WWE/ee/ds/Pages/default.aspx>

Section 7 –Comments – Provide any additional comments concerning this project



Section 8 - Application Certification

I hereby certify that the information listed above is true and accurate. I understand that this pit/impoundment is to be constructed only in a location appropriate for the storage of water, including wastewater, and will be constructed in accordance with plans designed and certified by a West Virginia registered professional engineer. I further recognize that all required plans have been submitted to the Office of Oil and Gas. I understand that after construction, and prior to any fluid being placed in the pit/impoundment, it shall be inspected by a West Virginia registered professional engineer to ensure compliance with the certified design and construction plan, and that the professional engineer shall certify that this structure was constructed in accordance with design and construction plans. I understand that such certification shall be in writing to the Chief and that no fluids may be placed in the pit/impoundment until the certification has been filed with the chief. I agree that this pit/impoundment shall be constructed, maintained, operated and closed in accordance with all applicable laws and rules, including the requirements of W. Va. Code R § 15-4-2.

RECEIVED Office of Oil and Gas

Name: Victoria J. Roark

Title: Permitting Supervisor

Signature:

[Handwritten signature of Victoria J. Roark]

JUL 22 2015

WV Department of Environmental Protection

Taken, subscribed and sworn to before me this, 12 Day of June 20 14

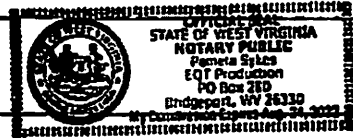
Notary Public:

[Handwritten signature of Notary Public]

My commission expires:

8-24-22

Notary Seal:



Section 9. Submittal Instructions

Submit original paper copy of application to: West Virginia Department of Environmental Protection, Office of Oil and Gas, Impoundment Registration, 601 57th Street, SE, Charleston WV 25304

Email PDF file format of this application and all related engineering Plans to: Impoundments@wv.gov

* Name of Structure: Please give the pit or impoundment a unique name, and use the name consistently when referring to this structure. They are often given the same name as the pad, with a modifier to identify freshwater or flowback water. If more than one pit or impoundment is associated with this pad, use modifier to identify these as well, such as #1, #2 etc. Examples: ABC Pad Freshwater Impoundment, ABC Pad Flowback Pit #1, ABC Pad Flowback Pit #2.

IMP 1A



Office of Oil and Gas

West Virginia Department of
Environmental Protection
Office of Oil & Gas
601 57th Street SE
Charleston, WV 25304-2345

| | |
|-----------------------------|---------------|
| DEP Office Use only | |
| Date Received by Oil & Gas. | |
| Assigned Impoundment ID #. | 049-WPA-00007 |

RECEIVED
Office of Oil and Gas

JUL 22 2015

WV Department of
Environmental Protection

Permit Associated Impoundment / Pit Registration

Instruction: This form is to be used to register impoundments or waste pits, greater than 5,000 bbls, that are associated with a WVDEP, Office of Oil and Gas, well drilling permit. An associated impoundment or pit means that has been designed and included in the well drilling permit application will follow the reclamation time frame of well work permit, and will be approved in conjunction with the well work permit. An impoundment ID number will be assigned by WVDEP, Office of Oil and Gas, to all impoundments and pits. This impoundment ID number will be sent to the applicant following receipt of this form by WVDEP. Please reference this impoundment ID number with all future correspondence and reference to this impoundment. Conditions as described in W. Va. State Rule §35-4-21 will be followed as it relates to impoundments and pits.

Section 1 – Operator and Facility Information

| | | | |
|---------------------|---|---------------|-------------------------|
| Operator Name: | EQT Corporation | | |
| Operator ID: | 306688 | | |
| Name of Structure * | GLO76 Completion Pit | | |
| Address Street | 115 Professional Place, Professional Building One | | |
| City: | Bridgeport | State: WV | Zip: 26330 |
| Contact Name: | Fred Gray | Contact Title | Landman / - WV Drilling |
| Contact Phone: | 304-848-0085 | Contact Email | fgray@eqt.com |

Section 2 – Engineering / Design Contractor Information

| | | | |
|--|--|---------------|------------------|
| Design will be contracted <input type="checkbox"/> Designed in-house <input checked="" type="checkbox"/> | | | |
| Company Name: | RETTEW Associates, Inc. | | |
| Address Street | Twin Towers, 4955 Steubenville Pike, Suite 305 | | |
| City: | Pittsburgh | State: PA | Zip: 15205 |
| Contact Name: | Brian Spray | Contact Title | Project Manager |
| Contact Phone: | 412-448-1728 | Contact Email | bspray@retew.com |
| Certifying Professional Engineer | Eric W Hershey | | |
| Professional Engineer Registration Number | 19074 | | |

RECEIVED
Office of Oil and Gas

JUL 22 2015

WV Department of
Environmental Protection



Office of Oil and Gas

Section 3 - Impoundment / Pit Information

| | | |
|---|--|-------------------------|
| Type of Structure. Check one of two choices below: <input type="checkbox"/> Freshwater Impoundment <input checked="" type="checkbox"/> Waste Pit Note: Any waste in a pit will make it a waste pit. | | |
| Name of Structure* <u>GLO76 Completion Pit</u> | | |
| County: <u>Marion</u> | District: <u>Marrington</u> | |
| USGS 7.5' Quad Map Name: <u>Glover Gap</u> | | |
| Farm Name: <u>Tonkery</u> | | |
| Pad Name: <u>GLO76</u> | | |
| Surface Owner Name: <u>Tonkery, Robert E. Widower</u> | | |
| Physical Description of Location: <u>North of Brink Road (CR-1), 10 miles west of Marrington</u> <u>near the county line</u> | | |
| <small>(Note: Give general location, example 2 miles south of Smalltown, WV on Rt. 22, left on Buffalo Creek)</small> | | |
| Watershed (nearest perennial): <u>UNT to Starkey Run</u> | | |
| Distance (Drainage Distance) to nearest perennial stream: <u>520'</u> | | |
| Location Coordinates (NAD83, Decimal Degrees (xx.xxxx, -xx.xxxx)) | | |
| Latitude: <u>39.5640</u> | Longitude (Use negative sign): <u>-80.4921</u> | |
| UTM Coordinates: <u>543,826.38</u> | E | <u>4,379,482.31</u> N |
| Access Road Coordinates (junction of state highway access) | | |
| Latitude: <u>39.5482</u> | Longitude (Use negative sign): <u>-80.4930</u> | |
| UTM Coordinates: <u>543,565.39</u> | E | <u>4,377,739.01</u> N |
| Approximate Dimensions | | |
| Length: <u>510'</u> | Width: <u>160'</u> | Height: <u>17'</u> |
| <small>Note: If irregularly shaped, give approximate dimensions of long axis.</small> | | |
| Total Capacity - Provide all units of measure below | | |
| Barrels: <u>117,885</u> | Gallons: <u>4.95 Million</u> | Acre-Feet: <u>15.19</u> |
| Capacity with 2' Freeboard - Provide all units of measure below | | |
| Barrels: <u>85,558</u> | Gallons: <u>4.01 Million</u> | Acre-Feet: <u>12.32</u> |
| Incised volume: | | |
| Barrels: <u>35,531</u> | Gallons: <u>1.49 Million</u> | Acre-Feet: <u>4.58</u> |
| Net impounded volume: (Total volume less incised volume) | | |
| Barrels: <u>82,354</u> | Gallons: <u>3.46 Million</u> | Acre-Feet: <u>10.61</u> |
| Anticipated Construction Start Date (estimation, non-binding): <u>9/12/14</u> | | |
| <small>Note: No construction may begin on associated impoundment until WVDEP issues the drilling permit. At least 7 calendar days prior to confirmed construction start date, notify the Office of Oil & Gas, and the local Oil and Gas inspector of construction start date. Use form IMP-2, "Notification of Impoundment / Pit Construction."</small> | | |

RECEIVED
Office of Oil and Gas

JUL 22 2015

IMP-1A



Office of Oil and Gas

Section 4 - Associated Well Numbers and API Numbers. List associated well numbers and API number. API numbers may not be assigned at time of registering this impoundment as pending.

| Well Number(s): | API Number(s) - If issued. |
|-----------------|----------------------------|
| 514745 | pending |
| 515495 | pending |
| 515496 | pending |
| 515497 | pending |
| 515524 | pending |
| 515525 | pending |
| | |

Section 5 - Required Information Checklist To Register Permit Associated Impoundments or Plts. Include the following information and plans with application.

- Engineered Construction Plans, certified by WV Registered P E
- Erosion and Sediment Control Plan, certified by WV Registered P E
- Reclamation Plan, certified by WV Registered P E.

Section 6 - Dam Standard Qualifying Evaluation

- The design of this structure has been evaluated by the applicant to determine it does NOT qualify to be defined as a dam, under WV Code Rule 547-34. If the design of this structure qualifies it to be defined as a dam, all permits regulating dams will be required prior to registering the structure with the Office of Oil and Gas. The dam standard, from the WVDEP, Div. Of Water and Waste, is available for review at <http://www.dep.wv.gov/WWE/ee/ds/Pages/default.aspx>

Section 7 -Comments - Provide any additional comments concerning this project



RECEIVED
Office of Oil and Gas

JUL 22 2015

West Virginia Department of Environmental Protection

Section 8 - Application Certification

I hereby certify that the information listed above is true and accurate. I understand that this pit/impoundment is to be constructed only in a location appropriate for the storage of water, including wastewater, and will be constructed in accordance with plans designed and certified by a West Virginia registered professional engineer. I further recognize that all required plans have been submitted to the Office of Oil and Gas Environmental Protection that after construction, and prior to any fluid being placed in the pit/impoundment it shall be inspected by a West Virginia registered professional engineer to ensure compliance with the certified design and construction plan, and that the professional engineer shall certify that this structure was constructed in accordance with design and construction plans. I understand that such certification shall be in writing to the Chief and that no fluids may be placed in the pit/impoundment until the certification has been filed with the chief. I agree that this pit/impoundment shall be constructed, maintained, operated and closed in accordance with all applicable laws and rules, including the requirements of W. Va. Code R § 35-4-2.

Name: Victoria J. Roark
Title: Permitting Supervisor
Signature: [Handwritten Signature]

Taken, subscribed and sworn to before me this 12 Day of June 20 14
Notary Public: [Handwritten Signature]
My commission expires: 8-24-20
Notary Seal: [Notary Seal]

Section 9. Submittal Instructions

Submit original paper copy of application to:
West Virginia Department of Environmental Protection
Office of Oil and Gas
Impoundment Registration
601 57th Street, SE
Charleston WV 25304

Email PDF file format of this application and all related engineering Plans to
Deimpoundments@wv.gov

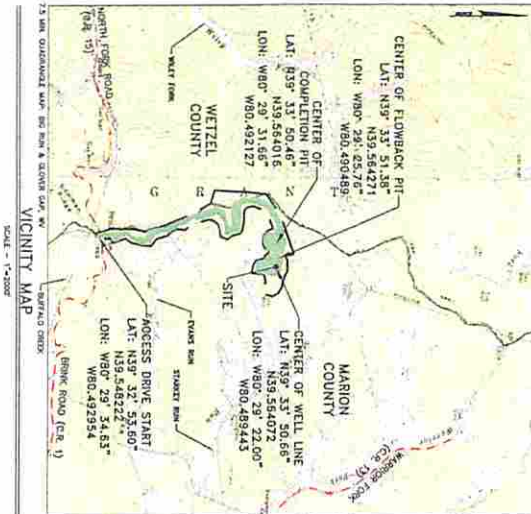
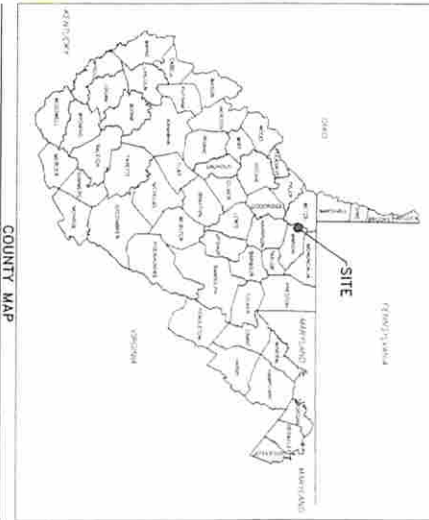
* Name of Structure. Please give the pit or impoundment a unique name, and use the name consistently when referring to this structure. They are often given the same name as the pad, with a modifier to identify freshwater or flowback water. If more than one pit or impoundment is associated with this pad, use modifier to identify these as well, such as #1, #2, etc. Examples: ABC Pad Freshwater Impoundment, ABC Pad Flowback Pit #1, ABC Pad Flowback Pit #2.

4704902401

SITE CONSTRUCTION, RECLAMATION, AND EROSION & SEDIMENT CONTROL PLANS

FOR GLO-76 WELL PAD GRANT & MANNINGTON TAX DISTRICTS, WETZEL & MARION COUNTIES, WV

RECEIVED
Office of Oil and Gas
JUN 10 2014
WV Department of
Environmental Protection



AFFECTED TAX PARCELS:
NORTH A RIA ROWEL
REG #4428207000
RAY M. GLOVER
REG #4428207000
SCOTT CLARK FINKEL
REG #4428207000
NICHOLAS A. RAY & S. P. SELL
REG #4428207000
GREGORY C. STANLEY
REG #4428207000
DAVE A. BARKER
REG #4428207000
DAVE A. BARKER
REG #4428207000

*WETA
6-3-13*

- LIST OF DRAWINGS**
- 1 COVER SHEET
 - 2 CONSTRUCTION PERMITS
 - 3 CONSTRUCTION NOTES
 - 4 CONSTRUCTION DETAILS
 - 5 DRAINAGE PLAN
 - 6 EROSION AND SEDIMENT CONTROL PLAN
 - 7 EROSION AND SEDIMENT CONTROL PLAN
 - 8 PERFILES AND CROSS SECTIONS
 - 9 RECLAMATION PLAN

WEST VIRGINIA 811
CALL BEFORE YOU DIG!
Dial 811 or 800.245.4838
800.245.4838
At least 48 hours, but not more than 14 days before excavation, call 811 or 800.245.4838 to report the location and depth of underground utilities. This utility or other utility may be located at a different depth than shown on the utility map. A utility may be located at a different depth than shown on the utility map. A utility may be located at a different depth than shown on the utility map.

NOT FOR CONSTRUCTION/NOT FOR BIDDING

| | | | | | | |
|--|---|---------------------------------|---|---|--|--|
| DATE: MAY 22, 2014 SHEET NO. 01 OF 24 DWG NO. 09342020 | COVER SHEET SITE PLANS FOR GLO-76 WELL PAD GRANT & MANNINGTON TAX DISTRICTS | WETZEL & MARION COUNTIES, WV | RETTEW RETTEW Associates, Inc. 101 Tenth Street, Suite 305 Pittsburgh, PA 15222 Phone (412) 442-1728 Fax (412) 442-1733 Email: info@rettew.com Website: www.rettew.com | EQT EQT CORPORATION 115 PROFESSIONAL PLACE PROFESSIONAL BUILDING ONE BRIDGEPORT, WEST VIRGINIA 26330 SCALE: AS NOTED | MANAGER: BRIAN D. SPIRAY, PE DESIGN BY: KAM DRAWN BY: KAM CHECKED BY: KAM DATE: 05/22/14 | FOR RETTEW ASSOCIATES BY: DATE: 05/22/14 REVISION: |
| | | | | | | |

07/24/2015