



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 23, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-8510218, 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: 515888

Farm Name: WILSON, JAMES H. & WILMA J.

API Well Number: 47-8510218

Permit Type: Horizontal 6A Well

Date Issued: 07/23/2015

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07/24/2015

PERMIT CONDITIONS 4708510218

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. Operator shall take additional measures with this permitted activity to avoid communication with offset wells. Such additional measures are described in the attached addendum. This addendum is part of the terms of the well work permit, and includes a description of depth and completed formations of offset wells. Also included is a description of monitoring activities that will take place during fracturing operations of the permitted well work.
1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE 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.

PERMIT CONDITIONS

4708510218

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.

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

1) Well Operator: EQT Production Company 306686 085 4 562
Operator ID County District Quadrangle

2) Operator's Well Number: 515888 Well Pad Name: PUL96

3) Farm Name/Surface Owner: James H & Wilma J Wilson Public Road Access: CR 7/4

4) Elevation, current ground: 1,194.0 Elevation, proposed post-construction: 1,182.0

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

(b) If Gas: Shallow Deep
Horizontal

6) Existing Pad? Yes or No: no

7) Proposed Target Formation(s), Depth(s), Anticipated Thicknesses and Associated Pressure(s):
Target formation is Marcellus at a depth of 6416 with the anticipated thickness to be 50 feet and anticipated target pressure of 2190 PSI

8) Proposed Total Vertical Depth: 6416

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 12,608

11) Proposed Horizontal Leg Length: 5,449

12) Approximate Fresh Water Strata Depths: 341, 367, 398, 555

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

14) Approximate Saltwater Depths: n/a

15) Approximate Coal Seam Depths: n/a

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

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

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David Walker
5-11-15

CASING AND TUBING PROGRAM

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 | J-55 | 54.5 | 655 | 655 | 581 C.T.S. |
| Coal | - | - | - | - | - | - | - |
| Intermediate | 9 5/8 | New | A-500 | 40 | 2,566 | 2,566 | 1,011 C.T.S. |
| Production | 5 1/2 | New | P-110 | 20 | 12,608 | 12,608 | 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 | | | | | | | |

| 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 | 2,730 | 2,184 | * See Note 2 | 1.21 |
| Coal | | | | | | | |
| Intermediate | 9 5/8 | 12 3/8 | 0.395 | 3,950 | 3,160 | * See Note 2 | 1.21 |
| Production | 5 1/2 | 8 1/2 | 0.361 | 12,640 | 10,112 | - | 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)

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PUL96
WV Department of Environmental Protection

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 4562
then kick off the horizontal leg into the marcellus using a slick water frac.

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

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.

21) Total area to be disturbed, including roads, stockpile area, pits, etc. (acres): ± 28.99

22) Area to be disturbed for well pad only, less access road (acres): ± 6.48

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.

Handwritten signature and date: 7-16-15



February 5, 2015

Mr. Gene Smith
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Casing Plan on Wells (PUL96)

Dear Mr. Smith,

EQT is requesting the 13-3/8" surface casing be set at 655' KB, 100' below the deepest fresh water show. We will set the 9-5/8" intermediate string at 2566' KB, below the porosity zone in the Big Injun formation.

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

A handwritten signature in black ink, appearing to read 'Vicki Roark'.

Vicki Roark
Permitting Supervisor

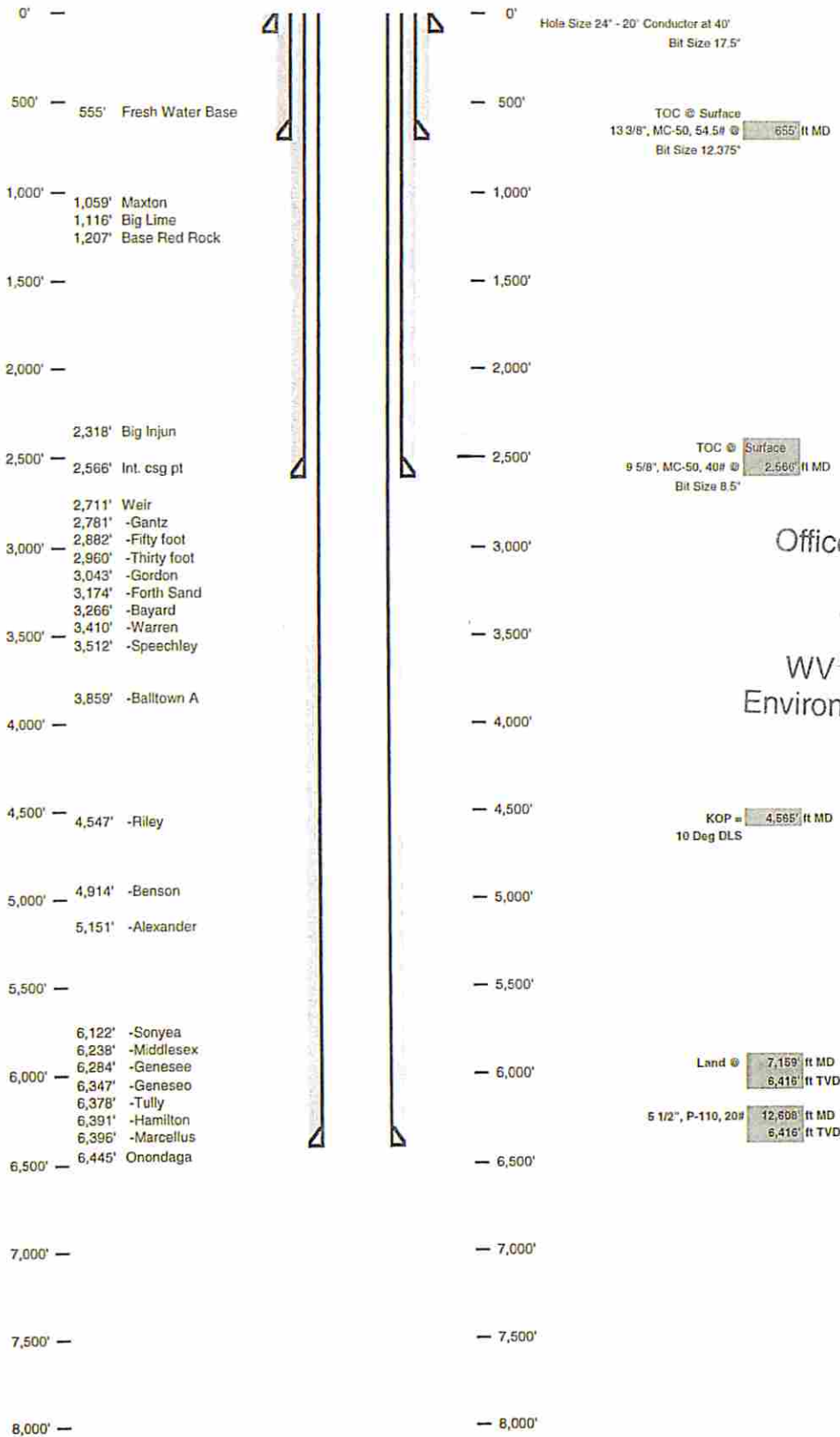
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Well Schematic
EQT Production

Well Name: 515886 (PUL9646)
County: Ritchie
State: West Virginia

Elevation KB: 1195
Target: Marcellus
Prospect: 16475
Azimuth: 5482
Vertical Section:



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Jacob

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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

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gub 07/24/2015



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Charleston, WV 25304
(304) 926-0450
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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

- 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.

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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

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WW-9
(2/15)

Page 1 of 2
API No. 47-085-0
Operator's Well No. 515888

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) Goose Run of Rockcamp Run Quadrangle Pullman

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

Will a pit be used? Yes: X No:

If so please describe anticipated pit waste: flowback water & residual solids

Will a synthetic liner be used in the pit? Yes X 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, defloculates, biodegradable oil lubricant, defoaming, walnut shell, salt, x-clide, carbonates.

Oil based mud -synthetic base oil, barite, emulsifier, salt, lime, viscosifier, alkalinity control, filtration control, defloculates, 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 21 day of July, 20 15

My commission expires 8-24-22

Notary Public



OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Pamela Sykes
EQT Production
PO Box 290
Bridgeport, WV 26330
My Commission Expires Aug. 24, 2022

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Operator's Well No. 515888

Proposed Revegetation Treatment: Acres Disturbed ± 28.99 Prevegetation pH 6.6

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.

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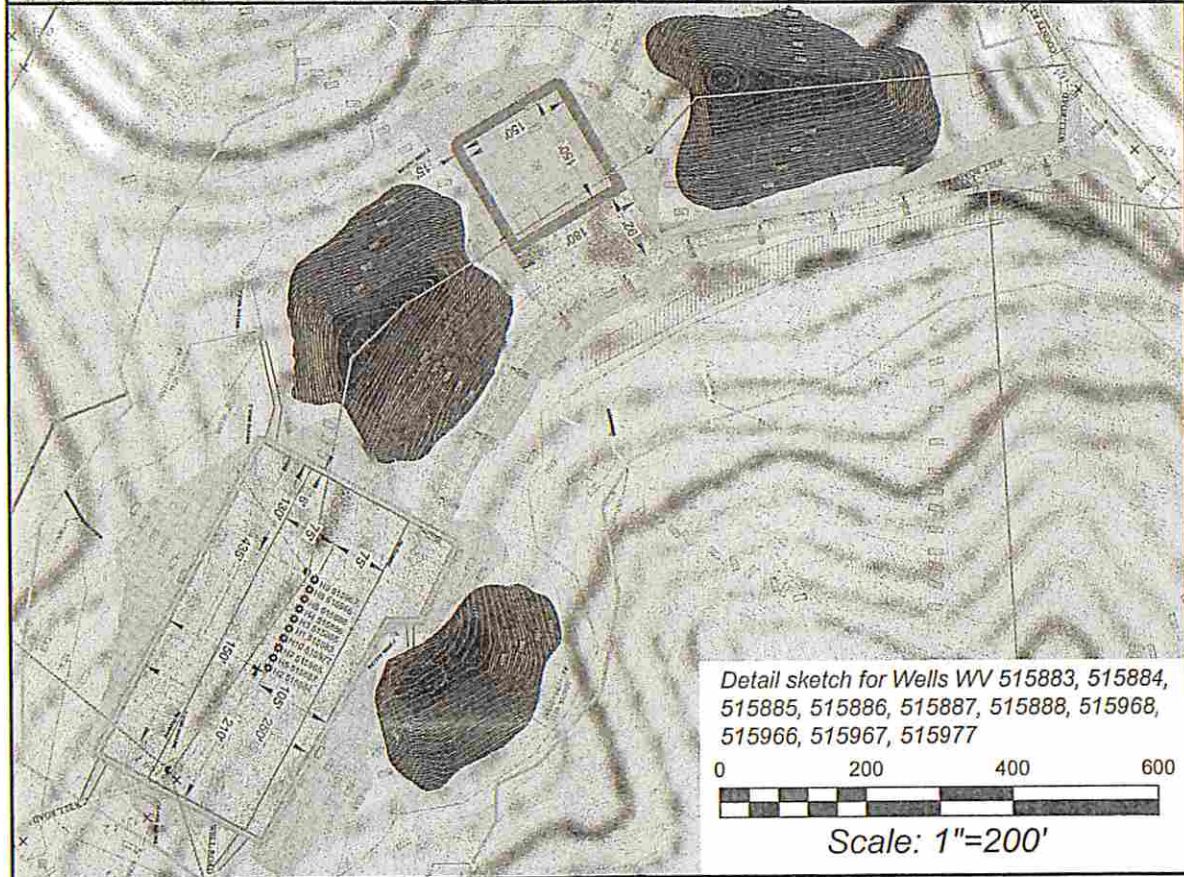
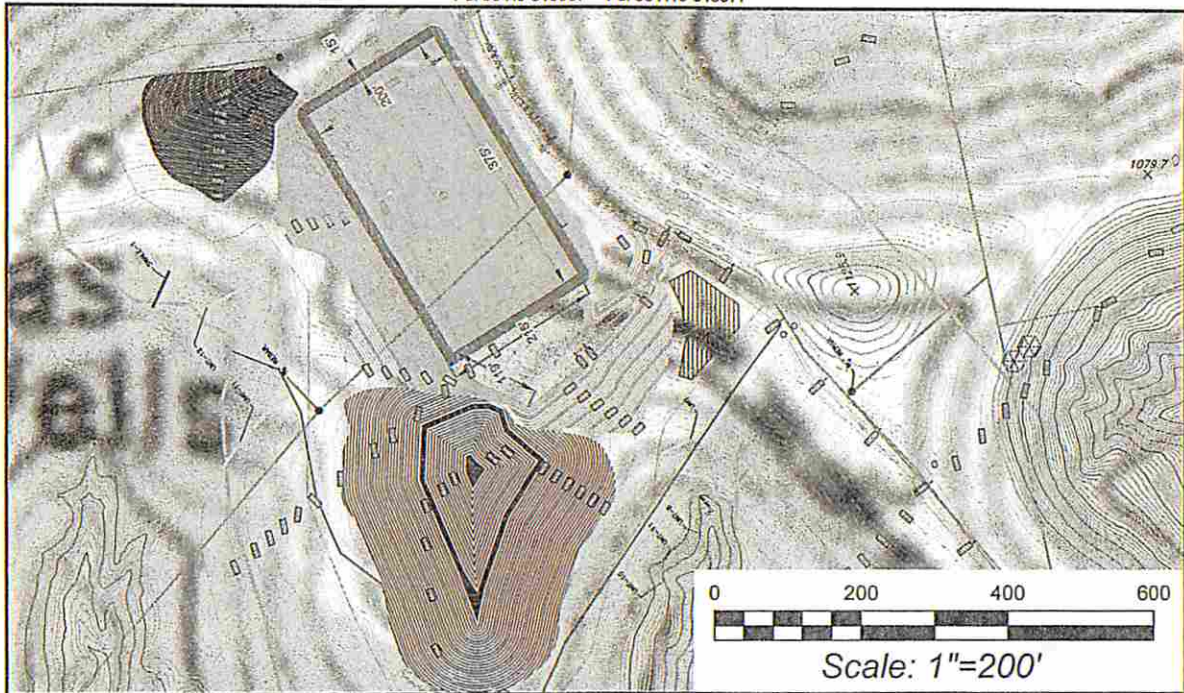
Plan Approved by: David Wilson

Comments: Preserve & mulch all cut area no less than 2 ton per acre, install & maintain all CRS during operations

Title: oil & gas inspector Date: 5-11-15

Field Reviewed? () Yes () No

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Detail sketch for Wells WV 515883, 515884, 515885, 515886, 515887, 515888, 515968, 515966, 515967, 515977

| | | | |
|---|----------------------|-------------------------------|----------------------------------|
| Pullman 7.5' USGS QUADRANGLE | | Proposed Disturbance Area | |
| Projected culvert inventory. (for bid purposes only) | Well Site Location | Proposed Access Road | See Site Plan |
| 15" minimum diameter culverts | See Site Plan | Approximate Total Disturbance | See Site Plan |
| 24" minimum diameter culverts | See Site Plan | | |
| DRAWN BY: Dale Tomlin PS | DATE: April 23, 2015 | FILE NO. 243-14 | DRAWING FILE NO. 243-14 Rec Plan |

Note: SEE SITE PLAN OF PULLMAN 96 FOR COMPLETE GRADING & DRAINAGE CONSTRUCTION INCLUDING EROSION & SEDIMENT CONTROL DETAILS, ETC.

Office of Oil and Gas

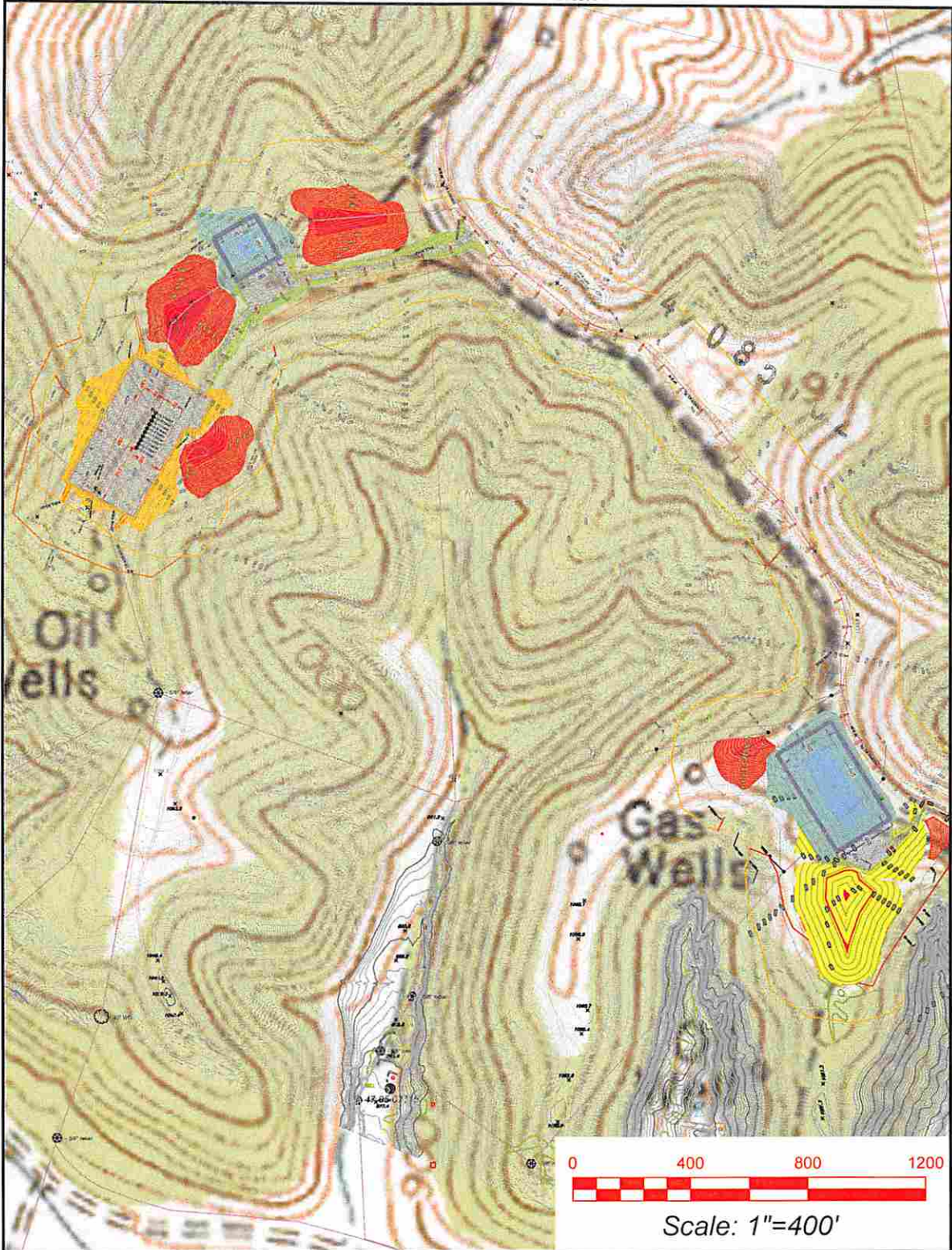
MAY 18 2015

WV Department of Environmental Protection



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 Birch River Office Phone: (304) 649-8606 Fax: (304) 649-8608
 237 Birch River Road P.O. Box 438 Birch River, WV 26610

07/24/2015



| | | | |
|---|----------------------|-------------------------------|----------------------------------|
| Pullman 7.5' USGS QUADRANGLE | | Proposed Disturbance Area | |
| Projected culvert inventory. (for bid purposes only) | | Well Site Location | See Site Plan |
| 15" minimum diameter culverts | See Site Plan | Proposed Access Road | See Site Plan |
| 24" minimum diameter culverts | See Site Plan | Approximate Total Disturbance | See Site Plan |
| DRAWN BY: Dale Tomlin PS | DATE: April 23, 2015 | FILE NO: 243-14 | DRAWING FILE NO: 243-14 Rec Plan |

Note: SEE SITE PLAN OF PULLMAN 96 FOR COMPLETE GRADING & DRAINAGE CONSTRUCTION INCLUDING EROSION & SEDIMENT CONTROL DETAILS, ETC.

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Office of Oil & Gas
MAY 11 2015



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
1-800-482-8606
Birch River Office Phone: (304) 649-8606 Fax: (304) 649-8608
237 Birch River Road P.O. Box 438 Birch River, WV 26610

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

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Waste Management - Northwestern Landfill

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

07/24/2015



Where energy meets innovation.™

Site Specific Safety Plan

EQT PUL96 Pad

Pullman

Ritchie County, WV

For Wells:

515886

515888

Date Prepared:

May 6, 2015

EQT Production

WV Oil and Gas Inspector

Title

Title

Date

Date

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EQT Production
Hydraulic Fracturing Monitoring Plan
Pad ID: PUL96
Ritchie County, WV

3/6/2015

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07/24/2015



March 9, 2015

[Conventional Well Operator]
[address]
[state]

RE: Ritchie County Hydraulic Fracturing Notice

Dear Sir/Madam,

EQT has developed a Marcellus pad (Pullman 96 pad) located in Ritchie County, WV. As an owner or operator of conventional natural gas wells in this area, we are requesting your assistance in this matter.

Due to the apparent presence of unique geological conditions, the potential for communication between deep geologic zones exists in this area. This potential communication, via natural gas, water, or both, may occur between hydraulically fractured wells in the Marcellus formation (approximately 6,400' TVD) and existing conventional natural gas wells in the partially-depleted, relatively high permeability, Alexander formation (approximately 5,200' TVD).

EQT anticipates conducting hydraulic fracturing at the Pullman 96 pad during the second quarter of 2015. We have identified conventional natural gas wells operated by your company within 1,500' (lateral distance) of our new/planned laterals. Plats for each well on this pad are attached.

We recommend that conventional well operators conduct the following activities before, during, and after fracturing operations:

1. Inspect surface equipment, prior to fracturing, to establish integrity and establish well conditions.
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas, or pressure.
3. Inspect or install master valves rated to 3,000 psi or other necessary equipment for wellhead integrity.
4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified.

Please feel free to contact me at 412-395-3305 with any questions or comments. You may also contact the West Virginia Office of Oil and Gas at 304-926-0440.

Sincerely,
EQT Production

John Centofanti
Corporate Director, Environmental Affairs

cc: James Martin, WV Office of Oil and Gas

470851021

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07/24/2015

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Ritchie County, WV prior to hydraulic fracturing at the following EQT wells on the PUL96 pad: 515883, 515884, 515885, 515886, 515887, 515888, 515965, 515966, 515967, 515977.

Due to the apparent presence of unique geological conditions, the potential for communication between deep geologic zones exists in this area. This potential communication, via natural gas, water, or both, may occur between hydraulically fractured wells in the Marcellus formation (approximately 6,400' TVD) and existing conventional natural gas wells in the partially-depleted, relatively high permeability Alexander formation (approximately 5,200' TVD).

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include pre-notification of conventional well operators of the timing and location of the hydraulic fracturing, establishment of measures conventional well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Conventional Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known conventional wells and well operators within 1,500 feet of this pad and the lateral sections. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

Upon approval of this plan, EQT will notify these operators, via letter, of the hydraulic fracturing schedule for these wells. A copy of this letter is included in **Attachment B**.

The letter provides recommendations to these conventional operators to 1) increase their monitoring of their wells during that time period, 2) ensure that their well head equipment is sound, and 3) provide immediate notification to EQT and the OOG in the event of any changes in their well conditions.

Specifically, the letter recommends that conventional well operators conduct the following activities during and after fracturing operations:

1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
3. Inspect or install master valves rated to 3,000 psi or other necessary equipment for wellhead integrity
4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with conventional operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

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| Well ID | Prior Operator on Record | Operator-DEP* | Status | Latitude | Longitude | Vertical TD | Closest Distance from PU196 Lateral Map View | PU196 Horizontal TVD minus Offset Vertical TD | Hypotenuse Distance | Producing Formation | Gas Show/Pay Zone Depths | Notes |
|------------|--------------------------|------------------|--------|-----------|------------|-------------|--|---|---------------------|---|--------------------------|----------------|
| 4708509198 | STALNAKER ENERGY | STALNAKER ENERGY | GAS | 39.194145 | -80.992685 | 5234 | 82 | 1101 | 6685.971103 | Udev, Warren, Greenland Gap, Benson, Alexander | 3374-5234 | Completed 2006 |
| 4708509199 | STALNAKER ENERGY | STALNAKER ENERGY | GAS | 39.193305 | -80.98568 | 5224 | 125 | 1104 | 6684.061639 | Mauch Chunk Grp, Udev, Greenland Gap, Balltown, Riley, Bens | 1998-5374 | Completed 2006 |
| 4708509240 | STALNAKER ENERGY | STALNAKER ENERGY | GAS | 39.204885 | -80.99522 | 5259 | 155 | 1093 | 6690.883723 | Warren, Scherr Frm, Misc Sands | 6438-5259 | Completed 2006 |




* Most recent operator on DEP website

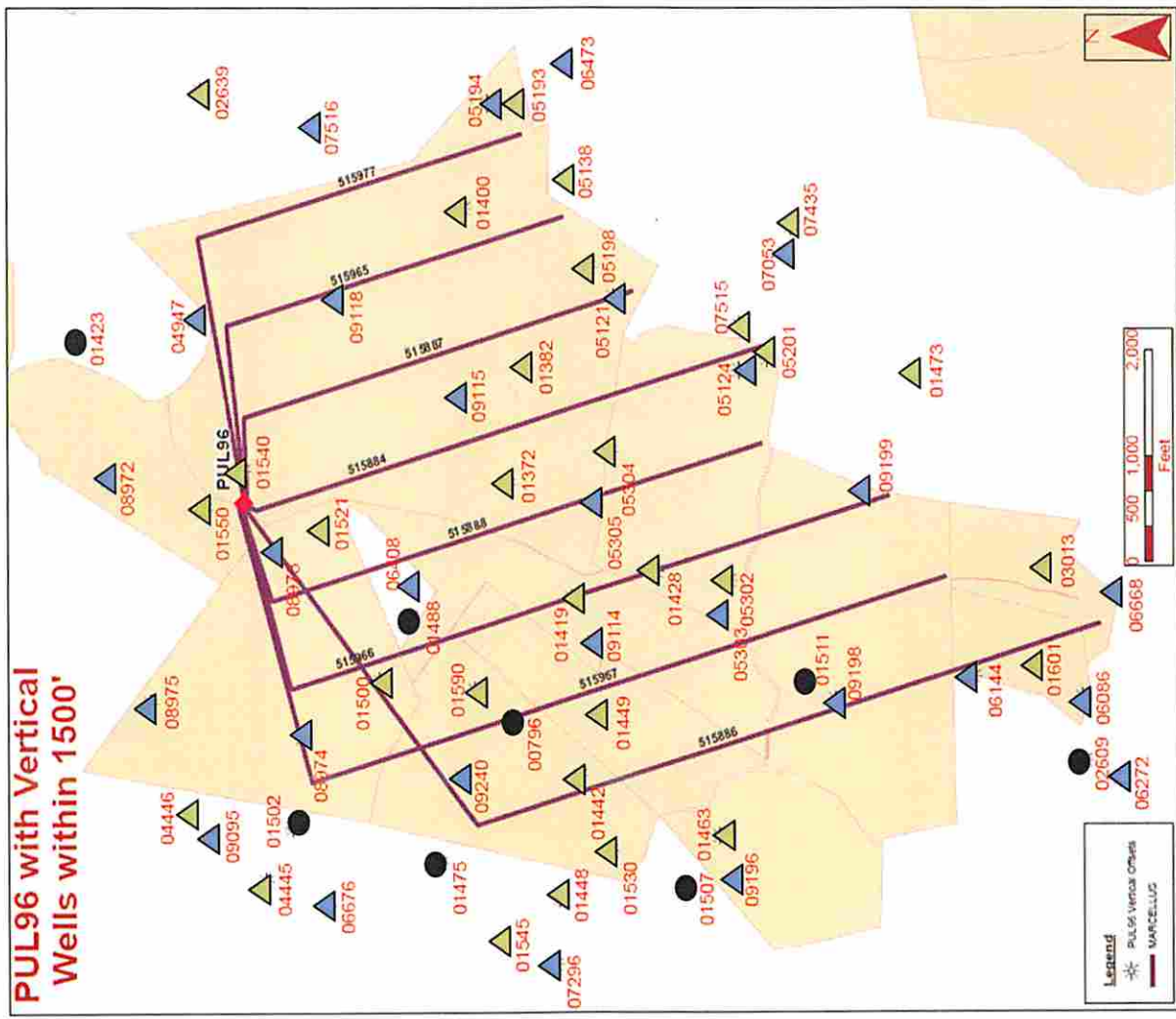
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PUL96 Vertical Offsets

PUL96 with Vertical Wells within 1500'

| | |
|---|------------------------------|
|  | Landed deeper than 4,000' |
|  | Landed shallower than 4,000' |
|  | Plugged |



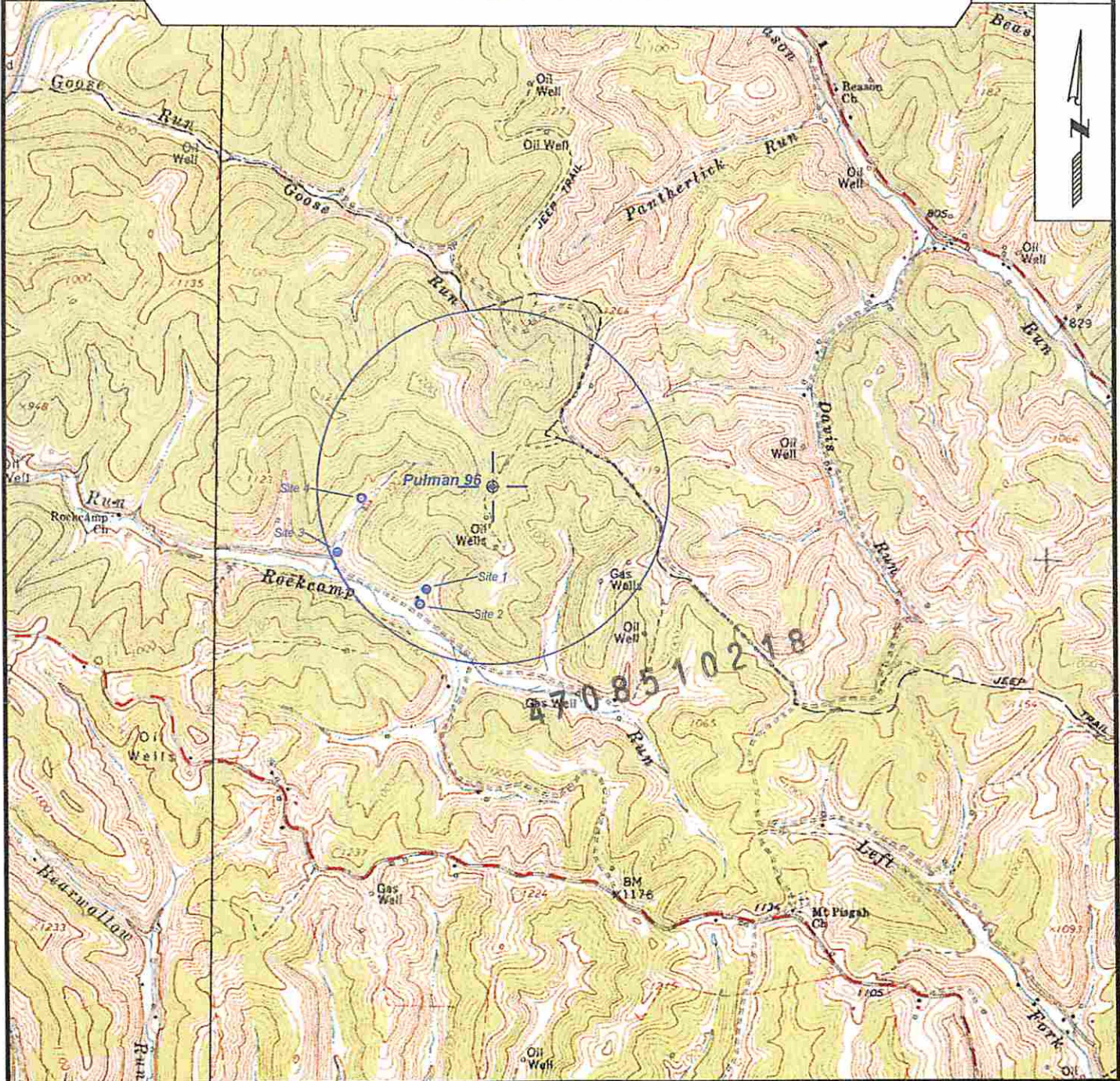
Note: Vertical wells are only displayed if within 1500' (lateral distance) of the new/planned horizontal PUL96 wells.

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4708510218

Topo Quad: Pullman 7.5' Scale: 1" = 2000'
 County: Ritchie Date: December 12, 2014
 District: Union Project No: 243-38-U-14

PULLMAN 96



4708510218



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

PREPARED FOR:
EQT Production Company
 Received P.O. Box 280
 Office of Oil & Gas, WV 26330

MAY 11 2015

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Water Source Identification

EQT Well Pad Name: Pullman 96

Submittal Date: December 19, 2014

EQT Well Number: _____

Survey / Engineering Company: Allegheny Surveys, Inc.

Site Number: 1A Distance from Gas Well (feet): 1728

Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle

Address: 1314 37th St., Parkersburg, WV 26104 Phone #: _____

Field Located Date: December 18, 2014 Owner home during survey (yes/no): No

Coordinates: 39.207098, -80.989121 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd: _____ Date Door Hanger Left: 12/15/14

Comments: This house is being used as a hunting camp. The first site is the water well

Site Number: 1B Distance from Gas Well (feet): 1953

Surface Owner / Occupant: Wayne M. Reed & Eva L. Riffle

Address: 1314 37th St., Parkersburg, WV 26104 Phone #: _____

Field Located Date: December 18, 2014 Owner home during survey (yes/no): No

Coordinates: 39.206520, -80.989428 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 12/15/14 2nd: 12/18/14 3rd: _____ Date Door Hanger Left: 12/15/14

Comments: This second site is a pond

Site Number: 2A Distance from Gas Well (feet): 2398

Surface Owner / Occupant: Delores Jean Moore

Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511

Field Located Date: December 15, 2014 Owner home during survey (Yes/No): Yes

Coordinates: 39.208474, -80.993526 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 12/15/14 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: This first site is the water well next to the house.

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Site Number: 2B Distance from Gas Well (feet): 1882

Surface Owner / Occupant: Delores Jean Moore

Address: 1590 Rock Camp Rd., Harrisville, WV 26362 Phone #: 304-643-2511

Field Located Date: December 15, 2014 Owner home during survey (Yes/No): Yes

Coordinates: 39.210584, -80.992442 (decimal degrees – NAD 83)

Contact Attempts (Date): 1st: 12/15/14 2nd: _____ 3rd: _____ Date Door Hanger Left: _____

Comments: The second site is a pond.

470851

(Insert additional pages as needed)

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07/24/2015

7842'

LATITUDE 39 - 15 - 00

LONGITUDE 80 - 57 - 30

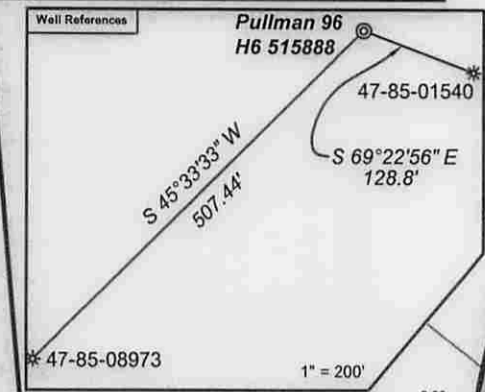
14189'

WV 515888
EQT Production Company
Laurie Ann Haddox, et al
360 Acres

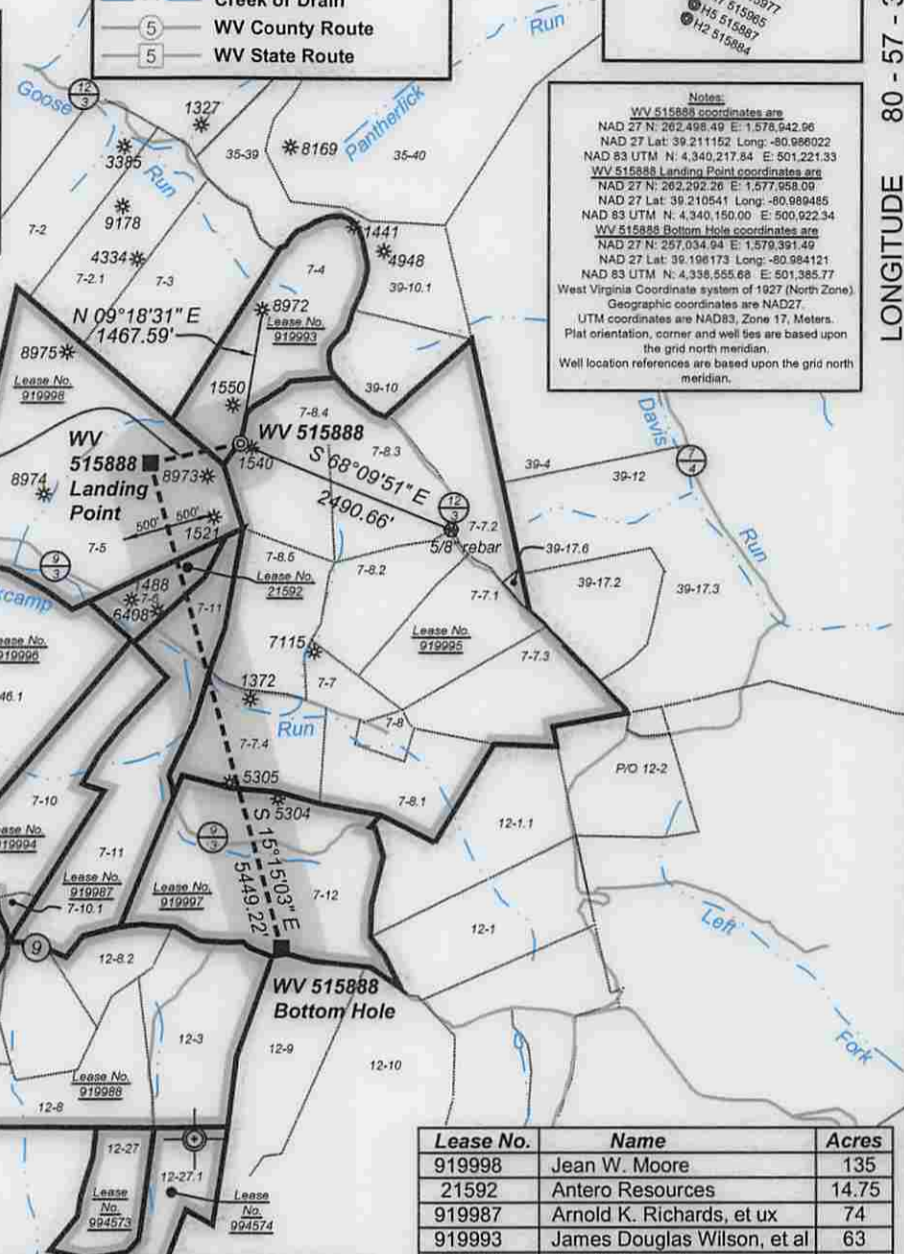
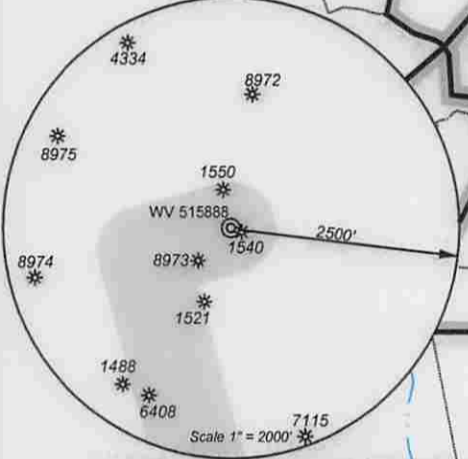
- ⊙ Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

- Pullman 96**
- H9 515967
 - H6 515966
 - H4 515965
 - H3 515964
 - H10 515983
 - H1 515977
 - H5 515987
 - H2 515984

Notes:
 WV 515888 coordinates are
 NAD 27 N: 262,498.49 E: 1,578,942.66
 NAD 27 Lat: 39 21 11.52 Long: -80 98 02.22
 NAD 83 UTM N: 4,340,217.84 E: 501,221.33
 WV 515888 Landing Point coordinates are
 NAD 27 N: 262,292.26 E: 1,577,958.09
 NAD 27 Lat: 39 21 05.41 Long: -80 98 04.85
 NAD 83 UTM N: 4,340,150.00 E: 500,922.34
 WV 515888 Bottom Hole coordinates are
 NAD 27 N: 257,034.94 E: 1,579,391.49
 NAD 27 Lat: 39 19 17.33 Long: -80 98 41.21
 NAD 83 UTM N: 4,338,555.68 E: 501,385.77
 West Virginia Coordinate system of 1927 (North Zone)
 Geographic coordinates are NAD27.
 UTM coordinates are NAD83, Zone 17, Meters.
 Plat orientation, corner and well ties are based upon
 the grid north meridian.
 Well location references are based upon the grid north
 meridian.



GRID NORTH



| Lease No. | Name | Acres |
|-----------|-----------------------------|-------|
| 919998 | Jean W. Moore | 135 |
| 21592 | Antero Resources | 14.75 |
| 919987 | Arnold K. Richards, et ux | 74 |
| 919993 | James Douglas Wilson, et al | 63 |
| 919997 | Arnold Richards | 98 |

(⊙) 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 the regulations issued and prescribed by the Department of Environmental Protection.

Sharon A. Well
 P.S. 2089SU



FILE NO: 243-14
 DRAWING NO: 243-14 Pullman 96 H6.dwg
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: June 06 20 15
 OPERATOR'S WELL NO. 515888
 API WELL NO
 47 - 85 - 10218
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Original: 1194' Proposed: 1182' WATERSHED: Goose Run of Rockcamp Run QUADRANGLE: Pullman
 DISTRICT: Union COUNTY: Ritchie
 SURFACE OWNER: James H. & Wilma J. Wilson ACREAGE: 40.089
 ROYALTY OWNER: Laurie Ann Haddox, et al LEASE NO: 919995 ACREAGE: 360
 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: TVD 6,396

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray
 ADDRESS: PO Box 280 / 115 Professional Place ADDRESS: PO Box 280 / 115 Professional Place
 Bridgeport, WV 26330 Bridgeport, WV 26330

**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 |
|----------------------|--|---|------------|-----------|
| 919995 | | | Min 1/8 pd | |
| | James A. Wilson, et ux | R. W. Richards | | LB79/542 |
| | R. W. Richards | J. E. Richards and C. W. Richards | | LB80/78 |
| | J. E. Richards and C. W. Richards | Bolyard Oil & Gas, LTD | | LB169/136 |
| | Bolyard Oil & Gas, LTD | Sheffield Exploration Co. | | LB189/521 |
| | Sheffield Exploration Co. | M. S. Oil Co. (69.513% of working interest) and Applied Mechanics Corp. (30.487% of working interest) | | LB208/268 |
| | M. S. Oil Co. (69.513%) | Applied Mechanics, et al | | LB222/836 |
| | Applied Mechanics, et al | FS Limited Partnership | | AB274/80 |
| | FS Limited Partnership | EQT Production Co. | | AB274/102 |
| 919993 | | | Min 1/8 pd | |
| | Effie E. Wilson and James Wilson | J.E. Richards | | LB79/346 |
| | J.E. Richards | J. E. Richards and C.W. Richards | | LB79/407 |
| | J.E. Richards and C.W. Richards | P.O. Burgy, B.S. Marshall, L.B. Burgy & Rollo Riggs | | LB81/279 |
| | P.O. Burgy, B.S. Marshall, L.B. Burgy & Rollo Rigg | J. E. Richards and C.W. Richards | | LB123/303 |
| | J. E. Richards and C.W. Richards | Applied Mechanics, et al | | LB206/8 |
| | Applied Mechanics, et al | FS Limited Partnership | | AB274/80 |
| | FS Limited Partnership | EQT Production Co. | | AB274/102 |
| 919998 | | | Min 1/8 pd | |
| | Robert D. Elder, et ux | N.M. Welch | | LB81/521 |
| | N.M. Welch | Ohio-West Virginia Oil & Gas Co. | | LB81/546 |
| | Ohio-West Virginia Oil & Gas Co. | N.M. Welch | | LB82/425 |
| | N.M. Welch | J. E. Richards and C.W. Richards | | LB82/500 |
| | J. E. Richards and C.W. Richards | Applied Mechanics, et al | | LB206/8 |
| | Applied Mechanics, et al | FS Limited Partnership | | AB274/80 |
| | FS Limited Partnership | EQT Production Co. | | AB274/102 |

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Office of Oil & Gas
MAY 11 2015**

07/24/2015

21592

Min 1/8 pd

| | | |
|------------------------|--------------------------------------|-----------|
| Lillie McDonald, et al | Shenandoah Energy Co. | LB148/765 |
| Shenandoah Energy Co. | Gene Stalnaker | LB152/486 |
| Gene Stalnaker | Angus Energy, Inc. | LB212/137 |
| Angus Energy, Inc. | Stalnaker Energy Corp. (Name Change) | CB6/225 |
| Stalnaker Energy Corp. | Antero Resources Corp. | LB264/875 |
| Antero Resources Corp. | EQT Production Co. | |

919987

Min 1/8 pd

| | | |
|-----------------------------------|---|-----------|
| A. H. Hodge and Ona Hodge | J. E. Richards | LB80/449 |
| J. E. Richards | J. E. Richards and C. W. Richards | LB80/455 |
| J. E. Richards and C. W. Richards | Bolyard Oil & Gas, LTD | LB169/310 |
| Bolyard Oil & Gas, LTD | Sheffield Exploration Co. | LB189/521 |
| Sheffield Exploration Co. | M. S. Oil Co. (69.513% of working interest) and Applied Mechanics Corp. (30.487% of working interest) | LB208/268 |
| M. S. Oil Co. (69.513%) | Applied Mechanics, et al | LB222/836 |
| Applied Mechanics, et al | FS Limited Partnership | AB274/80 |
| FS Limited Partnership | EQT Production Co. | AB274/102 |

919997

Min 1/8 pd

| | | |
|----------------------------------|-----------------------------------|-----------|
| Pearl Hutchinson, et al | J. E. Richards | LB80/447 |
| J. E. Richards | J. E. Richards and C. W. Richards | LB80/455 |
| J. E. Richards and C.W. Richards | Applied Mechanics, et al | LB206/8 |
| Applied Mechanics, et al | FS Limited Partnership | AB274/80 |
| FS Limited Partnership | EQT Production Co. | AB274/102 |

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.

4708510218

**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

Received
Office of Oil & Gas
MAY 11 2015

07/24/2015

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

Date of Notice Certification: MAY 08 2015

API No. 47 - 085 - 0
Operator's Well No. 515888
Well Pad Name: PUL96

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>501,221.33</u> |
| County: <u>Ritchie</u> | UTM NAD 83 Northing: <u>4,340,217.84</u> |
| District: <u>Union</u> | Public Road Access: <u>CR 7/4</u> |
| Quadrangle: <u>Pullman</u> | Generally used farm name: <u>James H & Wilma J Wilson</u> |
| Watershed: <u>Goose Run of Rockcamp Run</u> | |

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be 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 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 align="center">OOG OFFICE USE ONLY</p> <p><input checked="" type="checkbox"/> RECEIVED/NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input checked="" 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 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.

Received
Office of Oil & Gas
MAY 11 2015
07/24/2015

Certification of Notice is hereby given:

THEREFORE, I *Victoria J. Roark*, 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 7 day of MAY, 2015

Nicholas L. Bumgardner Notary Public

My Commission Expires 7/27/2018

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.

4708510218

Received
Office of Oil & Gas
MAY 11 2015

07/24/2015

**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 08 2015 Date Permit Application Filed: MAY 08 2015

4708510218

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

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 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) 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: Wilma J Wilson
Address: 214 N Church St
Harrisville WV 26362

Name: James Douglas Wilson
Address: 214 N Church St
Harrisville WV 26362
See Attached

SURFACE OWNERS(s) (Road and/or Other Disturbance)

Name: Wilma J Wilson
Address: 214 N Church St
Harrisville WV 26362
0

Name: James Douglas Wilson
Address: 214 N Church St
Harrisville WV 26362
See Attached

SURFACE OWNER(s) (Impoundments/Pits)

Name: Wilma J Wilson
Address: 214 N Church St
Harrisville WV 26362
See Attached

COAL OWNER OR LESSEE

Name: David R & Judy Wilson
Address: 42 School St
Harrisville WV 26362
0

See attached for additional coal owners.

COAL OPERATOR

Name: 0
Address: 0
0
0

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: 0
Address: 0
0
0

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

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*Please attach additional forms if necessary

MAY 11 2015

07/24/2015

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/oil-and-gas/pages/default.aspx.

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

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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.

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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.

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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.

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Notice is hereby given by:

Well Operator: EQT Production Company Address: 115 Professional Place P.O. Box 280
Telephone: 304-848-0082 Bridgeport, WV 26330
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.

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.

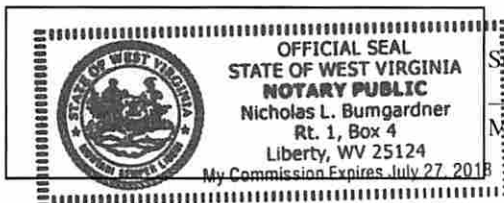
[Signature]
By: Victoria Roark

Its: Permitting Supervisor

Subscribed and sworn before on 7 day of MAY, 2015

[Signature] Notary Public

My Commission Expires 7/28/2018



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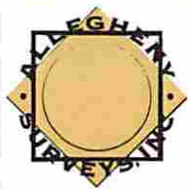
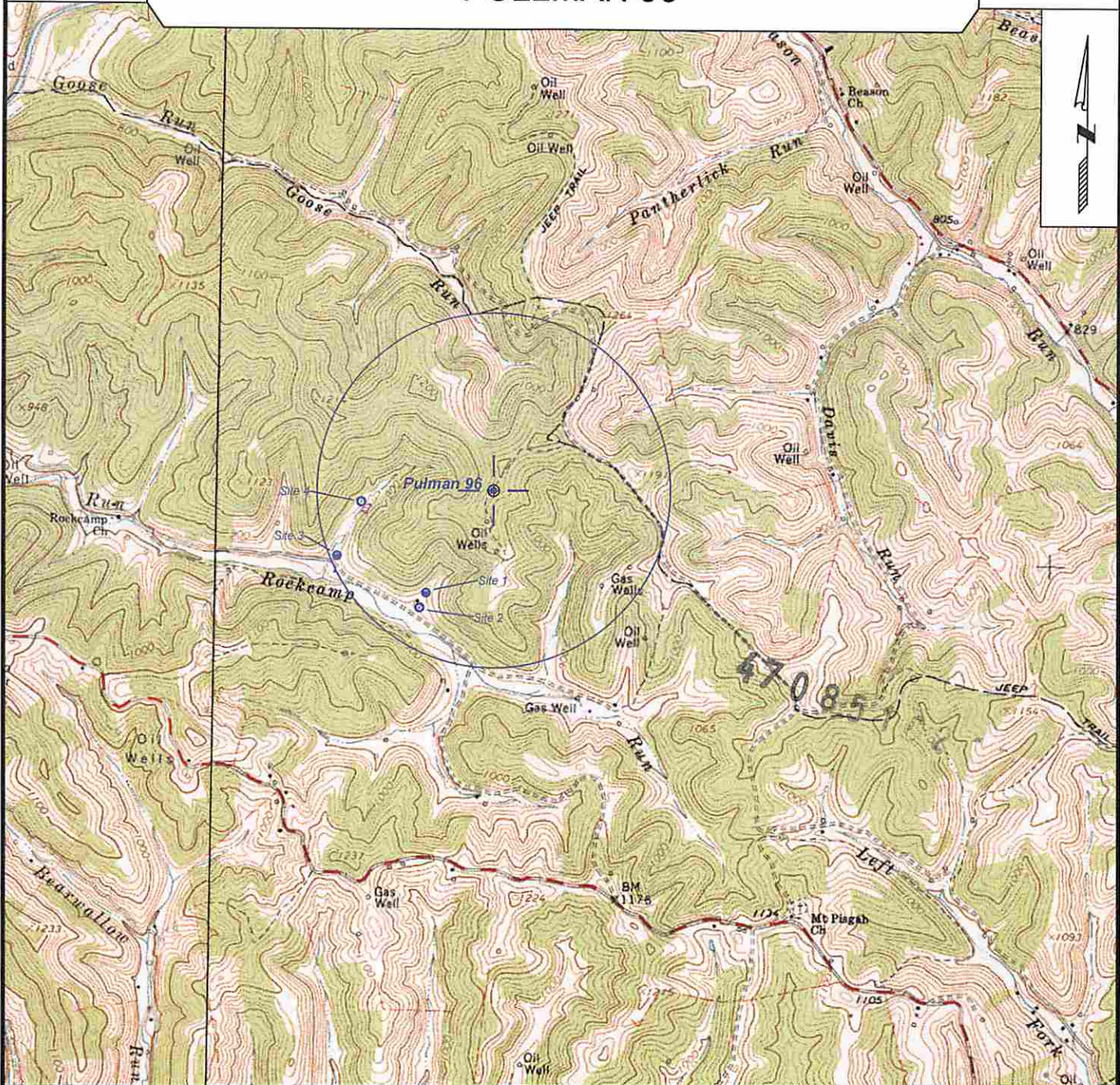
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MAY 11 2015

07/24/2015

Topo Quad: Pullman 7.5'
County: Ritchie
District: Union

Scale: 1" = 2000'
Date: December 12, 2014
Project No: 243-38-U-14

PULLMAN 96



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

PREPARED FOR:
EQT Production Company
P.O. Box 280
Bridgeport, WV 26330
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MAY 11 2015

07/24/2015

WW6-A

Additional Surface Owners:

Robert Brian Wilson ✓
665 Nicolette Rd
Parkersburg WV 26104

James Bardley Wilson ✓
665 Nicolette Rd
Parkersburg WV 26104

Ian David Wilson ✓
80 Pullman Rd
Harrisville, WV 26362

David R Wilson & Judy Wilson ✓
42 School St
Harrisville WV 26362

Jean W Moore ✓
1590 Rock Camp Rd
Harrisville WV 26362

Additional Surface Owners: Access Road

Robert Brian Wilson ✓
665 Nicolette Rd
Parkersburg WV 26104

James Bardley Wilson ✓
665 Nicolette Rd
Parkersburg WV 26104

Ian David Wilson ✓
80 Pullman Rd
Harrisville, WV 26362

David R Wilson & Judy Wilson ✓
42 School St
Harrisville WV 26362

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07/24/2015

Additional Surface Owners: Pits/Impoundments

James Douglas Wilson
214 N Church St
Harrisville WV 26362

Robert Brian Wilson
665 Nicolette Rd
Parkersburg WV 26104

James Bardley Wilson
665 Nicolette Rd
Parkersburg WV 26104

Ian David Wilson
80 Pullman Rd
Harrisville, WV 26362

David R Wilson & Judy Wilson
42 School St
Harrisville WV 26362

Additional Coal Owners

James Douglas Wilson
214 N Church St
Harrisville WV 26362

Wilma J Wilson
214 N Church St
Harrisville WV 26362

Jean Moore
1590 Rock Camp Rd
Harrisville WV 26362

Karen Roche
3131 Ellenboro Rd
Harrisville WV 26362

Laurie Ann Haddox
1407 Pullman Rd
Harrisville WV 26362

Linda D Hall
406 South Spring St
Harrisville WV 26362

Mary E Props
579 Lambs Run
Harrisville WV 26362

Oleta Jane Wilson
665 Nicolette Rd
Parkersburg WV 26104

Oma Jean Wilson
886 Cherry Rd
Massillon OH 44647

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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: 4/28/2015 Date Permit Application Filed: 5/8/2015

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: Wilma J Wilson Name: James Douglas Wilson
Address: 214 N Church St Address: 214 N Church St
Harrisville WV 26362 Harrisville WV 26362

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: WV UTM NAD 83 Easting: 501,221.33
County: Ritchie Northing: 4,340,217.84
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp Run

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

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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-A-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: 4/28/2015 Date Permit Application Filed: 5/8/2015

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

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

4708510218

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: Wilma J Wilson Name: James Douglas Wilson
Address: 214 N Church St Address: 214 N Church St
Harrisville WV 26362 Harrisville WV 26362

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:

Date: WV UTM NAD 83 Easting 501,221.33
County: Ritchie Northing 4,340,217.84
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp Run

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

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

ursuant 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-A-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: 4/20/2015 Date Permit Application Filed: 5/8/2015

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

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ursuant 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: Robert Brian Wilson
Address: 665 Nicolette Rd
Parkersburg WV 26104

Name: James Bardley Wilson
Address: 665 Nicolette Rd
Parkersburg WV 26104

Notice is hereby given:

ursuant 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>501,221.33</u> |
| County: <u>Ritchie</u> | | Northing: <u>4,340,217.84</u> |
| District: <u>Union</u> | | Public Road Access: <u>CR 7/4</u> |
| Quadrangle: <u>Pullman</u> | Generally used farm name: <u>James H & Wilma J Wilson</u> | |
| Watershed: <u>Goose Run of Rockcamp Run</u> | | |

This Notice Shall Include:

ursuant 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

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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

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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: 4/29/2015 Date Permit Application Filed: 5/8/2015

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

4708510278

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 Brian Wilson</u> | Name: | <u>James Bardley Wilson</u> |
| Address: | <u>665 Nicolette Rd</u> | Address: | <u>665 Nicolette Rd</u> |
| | <u>Parkersburg WV 26104</u> | | <u>Parkersburg WV 26104</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>501,221.33</u> |
| County: | <u>Ritchie</u> | | Northing | <u>4,340,217.84</u> |
| District: | <u>Union</u> | | Public Road Access: | <u>CR 7/4</u> |
| Quadrangle: | <u>Pullman</u> | | Generally used farm name: | <u>James H & Wilma J Wilson</u> |
| Watershed: | <u>Goose Run of Rockcamp 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.

Received
Office of Oil & Gas
MAY 11 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: 4/28/2015 Date Permit Application Filed: 5/8/2015

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

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.

4708510218

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

Name: Ian David Wilson
Address: 80 Pullman Rd
Harrisville, WV 26362

Name: David R Wilson & Judy Wilson
Address: 42 School St
Harrisville WV 26362

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>501,221.33</u> |
| County: | <u>Ritchie</u> | | Northing | <u>4,340,217.84</u> |
| District: | <u>Union</u> | | Public Road Access: | <u>CR 7/4</u> |
| Quadrangle: | <u>Pullman</u> | | Generally used farm name: | <u>James H & Wilma J Wilson</u> |
| Watershed: | <u>Goose Run of Rockcamp 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:

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Received
Office of Oil & Gas
MAY 11 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: 4/28/2015 Date Permit Application Filed: 5/2/2015

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

4708510218

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: Ian David Wilson
Address: 80 Pullman Rd
Harrisville, WV 26362

Name: David R Wilson & Judy Wilson
Address: 42 School St
Harrisville WV 26362

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: WV UTM NAD 83 Easting: 501,221.33
County: Ritchie Northing: 4,340,217.84
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp Run

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.

Received
Office of Oil & Gas
MAY 11 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: 4/28/2015 Date Permit Application Filed: 5/8/2015

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

4708510218

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: Jean W Moore Name: _____
Address: 1590 Rock Camp Rd Address: _____
Harrisville WV 26362

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: WV UTM NAD 83 Easting: 501,221.33
County: Ritchie Northing: 4,340,217.84
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp Run

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 Authorized Representative: Victoria Roark
Address: 115 Professional Place, P.O Box 280 Address: 115 Professional Place, P.O Box 280
Bridgeport, WV 26330 Bridgeport, WV 26330
Telephone: 304-848-0076 Telephone: 304-848-0076
Email: vroark@eqt.com Email: vroark@eqt.com
Facsimile: 304-848-0041 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
MAY 11 2015
07/24/2015

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 08 2015 Date Permit Application Filed: MAY 08 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: Wilma J Wilson
Address: 214 N Church St
Harrisville WV 26362

Name: James Douglas Wilson
Address: 214 N Church St
Harrisville WV 26362

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: 501,221.330000
County: Ritchie Northing: 4,340,217.840000
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp 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 Address: 115 Professional Place, P.O. Box 280
Telephone: 304-848-0082 Bridgeport, WV 26330
Email: vroark@eqt.com 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
MAY 11 2015
07/24/2015

WW-6A5
(1/12)

Operator Well No. 515888

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 08 2015 Date Permit Application Filed: MAY 08 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: Robert Brian Wilson
Address: 665 Nicolette Rd
Parkersburg WV 26104

4708510218
Name: James Bardley Wilson
Address: 665 Nicolette Rd
Parkersburg WV 26104

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: 501,221.330000
County: Ritchie Northing: 4,340,217.840000
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp 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 Address: 115 Professional Place, P.O. Box 280
Telephone: 304-848-0082 Bridgeport, WV 26330
Email: vroark@eqt.com Facsimile: 304-848-0040

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Received
Office of Oil & Gas
MAY 11 2015
07/24/2015

WW-6A5
(1/12)

Operator Well No. 515888

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 08 2015 Date Permit Application Filed: MAY 08 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: Ian David Wilson
Address: 80 Pullman Rd
Harrisville, WV 26362

Name: David R Wilson & Judy Wilson
Address: 42 School St
Harrisville WV 26362

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: 501,221.330000
County: Ritchie Northing: 4,340,217.840000
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp 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

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Received
Office of Oil & Gas
MAY 11 2015

07/24/2015

WW-6A5
(1/12)

Operator Well No. 515888

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. **MAY 08 2015**

Date of Notice: _____ Date Permit Application Filed: _____

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: Jean W Moore
Address: 1590 Rock Camp Rd
Harrisville WV 26362

Name: _____
Address: _____

4708510218

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: 501,221.330000
County: Ritchie Northing: 4,340,217.840000
District: Union Public Road Access: CR 7/4
Quadrangle: Pullman Generally used farm name: James H & Wilma J Wilson
Watershed: Goose Run of Rockcamp 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 Address: 115 Professional Place, P.O. Box 280
Telephone: 304-848-0082 Bridgeport, WV 26330
Email: vroark@eqt.com Facsimile: 304-848-0040

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Received
Office of Oil & Gas
MAY 11 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

February 19, 2015

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

4708510218

Subject: DOH Permit for the PUL 96 Pad Site, Ritchie County

| | | |
|-----------------|----------------|----------------|
| 515883 PUL96H1 | 515884 PUL96H2 | 515885 PUL96H3 |
| 515886 PUL96H4 | 515887 PUL96H5 | 515888 PUL96H6 |
| 515965 PUL96H7 | 515966 PUL96H8 | 515967 PUL96H9 |
| 515977 PUL96H10 | | |

Dear Mr. Martin,

This well site will be accessed from Permit #03-2015-0122 applied for by EQT Production Company for access to the State Road. The well site is located off of Ritchie County Route 12/3 SLS. Approved permit must be received before the start of construction.

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-3, File

Received
Office of Oil & Gas

MAY 11 2015

07/24/2015

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 |

4708510218

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Office of Oil & Gas
MAY 11 2015
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

4708510218

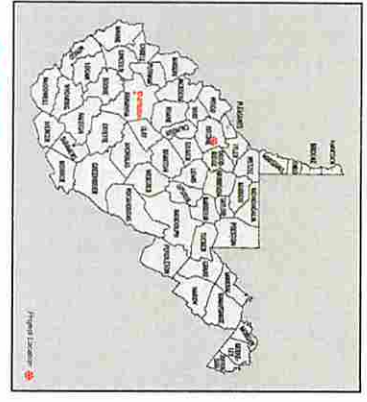
Received
Office of Oil & Gas
MAY 11 2015
07/24/2015

PUL 96

FINAL SITE DESIGN, CONSTRUCTION PLANS, & EROSION & SEDIMENT CONTROL PLANS

EQT PRODUCTION COMPANY

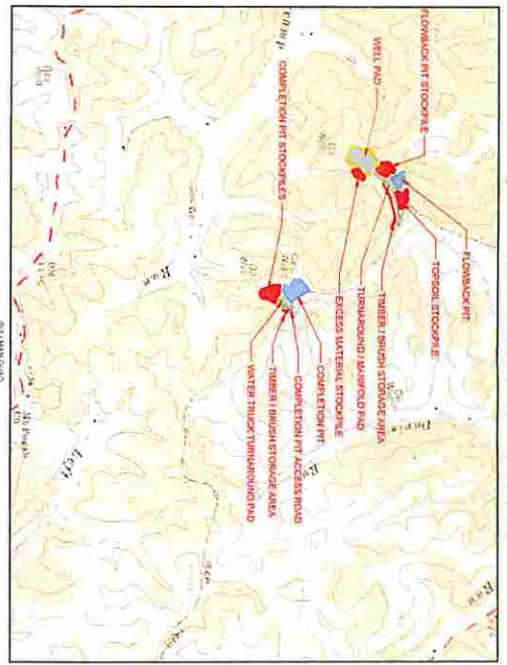
West Virginia Coalfields System of 1983
 State of West Virginia
 State Planning Board
 Established by Survey Code 22-2



FLOODPLAIN CONDITIONS

| DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN | NO |
|--|-----------|
| PERMIT REQUIRED FROM COUNTY FLOODPLAIN COORDINATOR | NO |
| HIGHWAYS BEING CONSTRUCTED | N/A |
| FLOODPLAIN SHOWN ON DRAWINGS | N/A |
| Road Data Number(s) for Site | SA1030000 |
| ADJACENT OR CONSTRUCTION IN FLOODPLAIN | N/A |

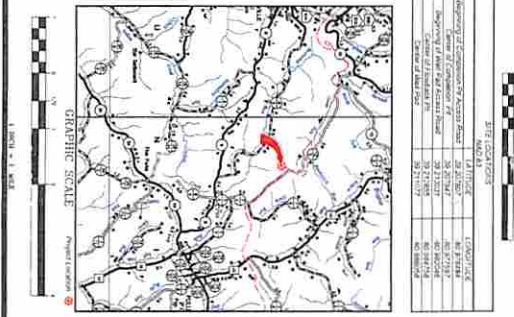
NO WETLANDS OR STREAMS ARE IMPACTED



PROPOSED WELL LEGEND

| | | | | |
|-----|--------|---------------------|---|--|
| H9 | 515967 | - LAT: 39 21'13.06" | / | LONG: -80 98'58.04" |
| H8 | 515966 | - LAT: 39 21'12.89" | / | LONG: -80 98'58.29" |
| H6 | 515888 | - LAT: 39 21'12.33" | / | LONG: -80 98'58.53" |
| H4 | 515886 | - LAT: 39 21'11.96" | / | LONG: -80 98'58.78" |
| H3 | 515885 | - LAT: 39 21'11.60" | / | LONG: -80 98'59.02" |
| H1 | 515883 | - LAT: 39 21'11.23" | / | LONG: -80 98'59.27" |
| H10 | 515977 | - LAT: 39 21'10.87" | / | LONG: -80 98'59.51 (API# 47-085-10210) |
| H7 | 515965 | - LAT: 39 21'10.50" | / | LONG: -80 98'59.76 (API# 47-085-10209) |
| H5 | 515887 | - LAT: 39 21'10.14" | / | LONG: -80 98'60.00 (API# 47-085-10211) |
| H2 | 515884 | - LAT: 39 21'09.77" | / | LONG: -80 98'60.25 (API# 47-085-10207) |

MISS Utility of West Virginia
 1-800-245-4848
 West Virginia State Law
 (Section XIV: Chapter 24-C)
 Requires that you dig in the state of
 West Virginia.
IT'S THE LAW!!



POINT COMMENTS

EQ1
 Chris Meyer - EQ1 Production Company
 304-648-0015 EQ1

EQ2
 Day Mader - Landman (Doing EQ1 Production Company)
 304-627-0261 Mader
 304-627-0261 Mader
 304-627-0261 Mader
 304-627-0261 Mader

EQ3
 Dan Simpson - EQ1 - Allegheny Survey, Inc.
 304-648-8808 EQ1
 Thomas D. Cochran - PE - Henry Brothers Engineers
 304-624-6443 EQ1

Design Consultant
 The drawings, construction notes, and reference records were prepared by Henry Brothers Engineers, Inc. in accordance with the West Virginia Code of State Regulations, Division of Environmental Protection, Office of Oil and Gas 25-2-1. All information is based on the information provided to the design consultant. The design consultant is not responsible for the accuracy of the information provided to the design consultant. Any errors or omissions are the responsibility of the client.

SHEET INDEX

OTHER SHEETS TO BE CONSULTED:
 EXISTING CONDITIONS PLAN
 CONSTRUCTION GENERAL AND TIE SHEETS
 WELL PAD PROFILE & CROSS SECTIONS
 CONCRETE PIT PROFILE & CROSS SECTIONS
 WELLS AND ACCESS ROADS PROFILE & CROSS SECTIONS
 CONSTRUCTION PLAN
 REVISIONS 15-21

| DATE | REVISIONS |
|---------|---|
| 4/21/15 | ADDITIONAL REVISIONS BY: D.M. A.H.H. |

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 MAY 18 2015

WV Department of Environmental Protection

FINAL SITE DESIGN COVER SHEET

PUL 96
 WELL PAD SITE
 CLAY & UNION DISTRICTS
 RITCHIE COUNTY, WV

Hornor
 602 Bros. Engineers
 Civil, Mining, Environmental and Consulting Engineering

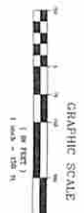
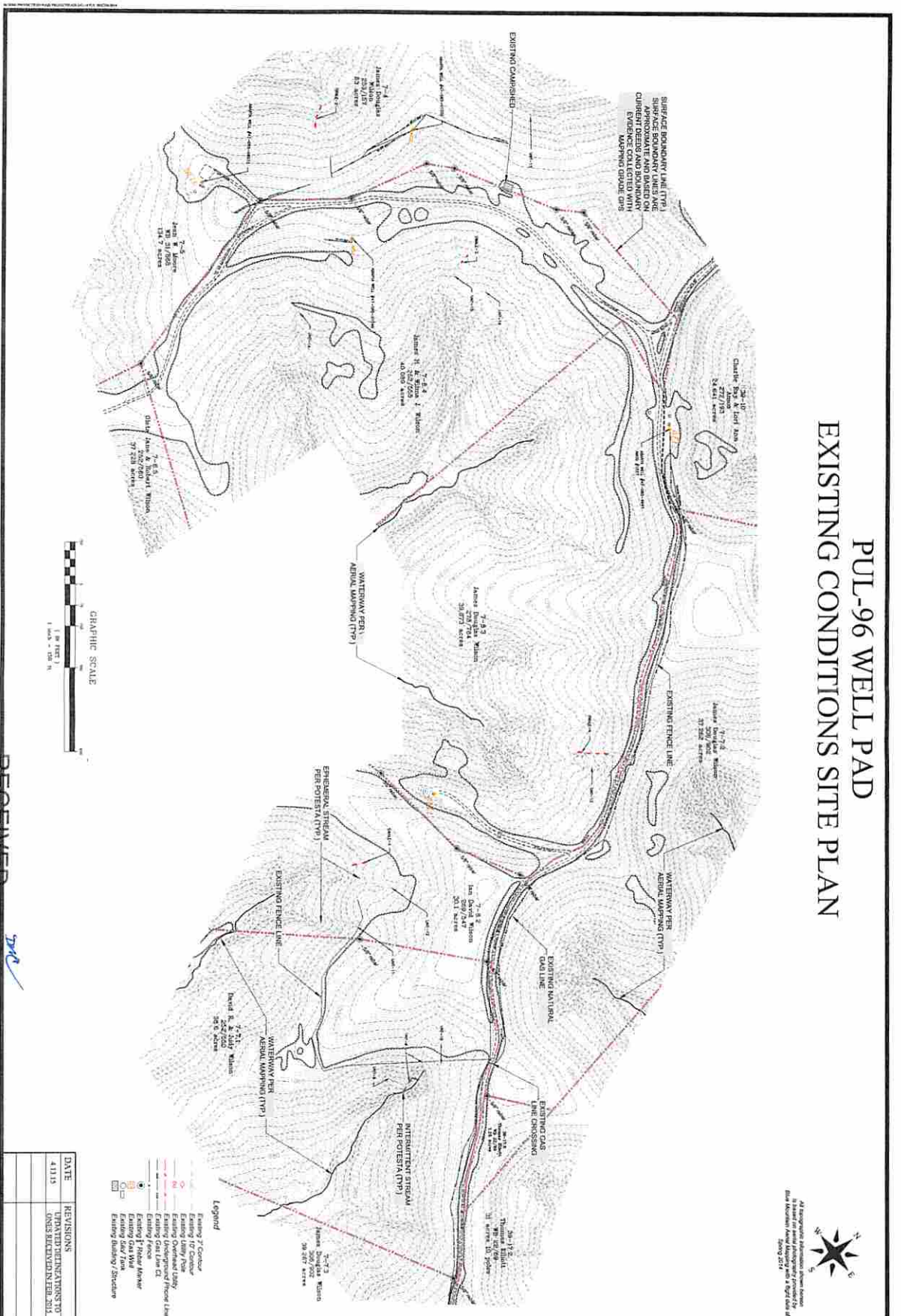
Allegheny Surveys Inc.
 P.O. Box 438
 237 Birch River Road
 Birch River, WV 26610
 304-649-0000

DATE: 11/3/2015
 SCALE: N/A

8-11-15

07/24/2015

PUL-96 WELL PAD EXISTING CONDITIONS SITE PLAN



| DATE | REVISIONS |
|--------|---|
| 4/1/15 | ISSUED FOR PERMITS TO ONE'S REVIEW IN FEB. 2015 |

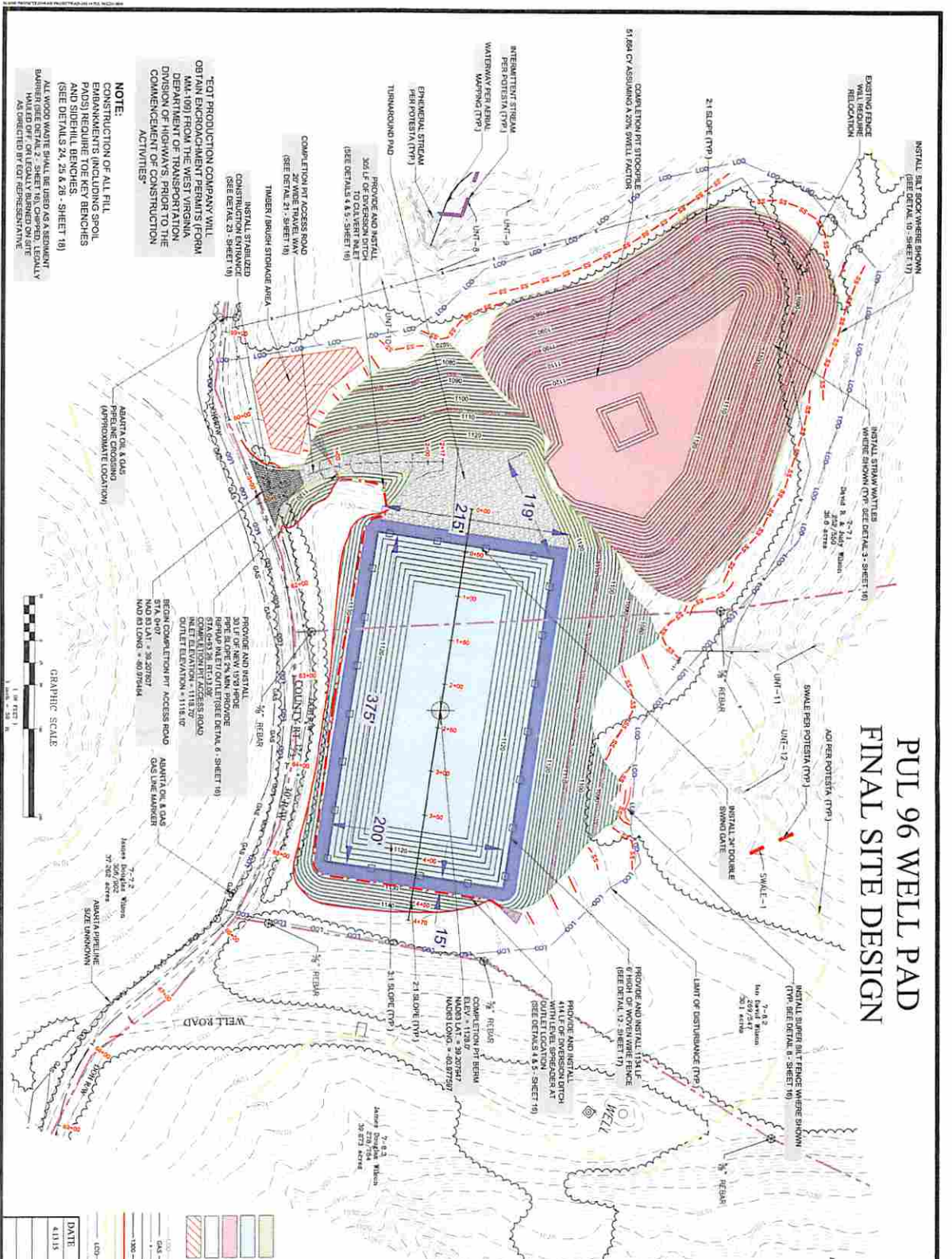
- Legend**
- Existing 7' Contour
 - Existing 10' Contour
 - Existing Utility Pole
 - Existing Underpass
 - Existing Gas Line CI
 - Existing Gas Line SI
 - Existing 1" Water Main
 - Existing 4" Water Main
 - Existing 6" Water Main
 - Existing 8" Water Main
 - Existing 12" Water Main
 - Existing 24" Water Main
 - Existing 36" Water Main
 - Existing 48" Water Main
 - Existing 60" Water Main
 - Existing 72" Water Main
 - Existing 84" Water Main
 - Existing 96" Water Main
 - Existing 108" Water Main
 - Existing 120" Water Main
 - Existing 144" Water Main
 - Existing 168" Water Main
 - Existing 192" Water Main
 - Existing 216" Water Main
 - Existing 240" Water Main
 - Existing 264" Water Main
 - Existing 288" Water Main
 - Existing 312" Water Main
 - Existing 336" Water Main
 - Existing 360" Water Main
 - Existing 384" Water Main
 - Existing 408" Water Main
 - Existing 432" Water Main
 - Existing 456" Water Main
 - Existing 480" Water Main
 - Existing 504" Water Main
 - Existing 528" Water Main
 - Existing 552" Water Main
 - Existing 576" Water Main
 - Existing 600" Water Main
 - Existing 624" Water Main
 - Existing 648" Water Main
 - Existing 672" Water Main
 - Existing 696" Water Main
 - Existing 720" Water Main
 - Existing 744" Water Main
 - Existing 768" Water Main
 - Existing 792" Water Main
 - Existing 816" Water Main
 - Existing 840" Water Main
 - Existing 864" Water Main
 - Existing 888" Water Main
 - Existing 912" Water Main
 - Existing 936" Water Main
 - Existing 960" Water Main
 - Existing 984" Water Main
 - Existing 1008" Water Main
 - Existing 1032" Water Main
 - Existing 1056" Water Main
 - Existing 1080" Water Main
 - Existing 1104" Water Main
 - Existing 1128" Water Main
 - Existing 1152" Water Main
 - Existing 1176" Water Main
 - Existing 1200" Water Main
 - Existing 1224" Water Main
 - Existing 1248" Water Main
 - Existing 1272" Water Main
 - Existing 1296" Water Main
 - Existing 1320" Water Main
 - Existing 1344" Water Main
 - Existing 1368" Water Main
 - Existing 1392" Water Main
 - Existing 1416" Water Main
 - Existing 1440" Water Main
 - Existing 1464" Water Main
 - Existing 1488" Water Main
 - Existing 1512" Water Main
 - Existing 1536" Water Main
 - Existing 1560" Water Main
 - Existing 1584" Water Main
 - Existing 1608" Water Main
 - Existing 1632" Water Main
 - Existing 1656" Water Main
 - Existing 1680" Water Main
 - Existing 1704" Water Main
 - Existing 1728" Water Main
 - Existing 1752" Water Main
 - Existing 1776" Water Main
 - Existing 1800" Water Main
 - Existing 1824" Water Main
 - Existing 1848" Water Main
 - Existing 1872" Water Main
 - Existing 1896" Water Main
 - Existing 1920" Water Main
 - Existing 1944" Water Main
 - Existing 1968" Water Main
 - Existing 1992" Water Main
 - Existing 2016" Water Main
 - Existing 2040" Water Main
 - Existing 2064" Water Main
 - Existing 2088" Water Main
 - Existing 2112" Water Main
 - Existing 2136" Water Main
 - Existing 2160" Water Main
 - Existing 2184" Water Main
 - Existing 2208" Water Main
 - Existing 2232" Water Main
 - Existing 2256" Water Main
 - Existing 2280" Water Main
 - Existing 2304" Water Main
 - Existing 2328" Water Main
 - Existing 2352" Water Main
 - Existing 2376" Water Main
 - Existing 2400" Water Main
 - Existing 2424" Water Main
 - Existing 2448" Water Main
 - Existing 2472" Water Main
 - Existing 2496" Water Main
 - Existing 2520" Water Main
 - Existing 2544" Water Main
 - Existing 2568" Water Main
 - Existing 2592" Water Main
 - Existing 2616" Water Main
 - Existing 2640" Water Main
 - Existing 2664" Water Main
 - Existing 2688" Water Main
 - Existing 2712" Water Main
 - Existing 2736" Water Main
 - Existing 2760" Water Main
 - Existing 2784" Water Main
 - Existing 2808" Water Main
 - Existing 2832" Water Main
 - Existing 2856" Water Main
 - Existing 2880" Water Main
 - Existing 2904" Water Main
 - Existing 2928" Water Main
 - Existing 2952" Water Main
 - Existing 2976" Water Main
 - Existing 3000" Water Main

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MAY 18 2015
WV Department of
Environmental Protection

| | | | | |
|---|---|---|---|---|
| <p>EXISTING SITE CONDITIONS PUL 96 WELL PAD SITE CLAY & UNION DISTRICTS RITCHIE COUNTY, WV</p> | <p>THIS DOCUMENT PREPARED FOR EQT COMPANY</p> | <p>Hornor Brothers Engineers Civil, Mining, Environmental and Consulting Engineering 1000 Birch River Road, Box 438 Birch River, WV 26610 (304) 645-3000 (Faxing) 304-645-3001</p> | <p>Allegheny Surveys Inc. P.O. Box 438 237 Birch River Road Birch River, WV 26610 304-645-3000</p> | <p>DATE: 11/15/2013 SCALE: 1" = 150' DRAWN BY: [Name] CHECKED BY: [Name] DATE: 11/15/2013</p> |
|---|---|---|---|---|

07/24/2015

PUL 96 WELL PAD FINAL SITE DESIGN



NOTE:
 1. CONSTRUCTION OF ALL FILL EXHAUSTMENTS INCLUDING SOIL PAVS REQUIRE TOE KEY BENCHES AND SIDEHILL BENCHES. (SEE DETAILS 24, 25 & 26 - SHEET 18)
 2. ALL WOODWASTE SHALL BE USED AS A BARRIER HAZED OFF OR LOCALLY BURNED ON SITE AS SPECIFIED BY O&G REPRESENTATIVE

NOTE:
 1. OBTAIN ENCROACHMENT PERMITS FROM M.M. (109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES



| Legend | Description |
|-------------------|-----------------------------------|
| [Green box] | Proposed Fence / Turndown |
| [Yellow box] | Proposed 1" Access |
| [Light Blue box] | Proposed 2" Access |
| [Pink box] | Proposed Soil Area |
| [Light Green box] | Proposed Storm Area |
| [Hatched box] | Proposed Tank / Fuel Storage Area |
| [Blue box] | Existing 2" Contour |
| [Light Blue box] | Existing 10' Contour |
| [Light Green box] | Existing 20' Contour |
| [Light Blue box] | Proposed 2" Contour |
| [Light Green box] | Proposed 10' Contour |
| [Light Blue box] | Proposed 20' Contour |
| [Light Green box] | Proposed 30' Contour |
| [Light Blue box] | Proposed 40' Contour |
| [Light Green box] | Proposed 50' Contour |
| [Light Blue box] | Proposed 60' Contour |
| [Light Green box] | Proposed 70' Contour |
| [Light Blue box] | Proposed 80' Contour |
| [Light Green box] | Proposed 90' Contour |
| [Light Blue box] | Proposed 100' Contour |
| [Light Green box] | Proposed 110' Contour |
| [Light Blue box] | Proposed 120' Contour |
| [Light Green box] | Proposed 130' Contour |
| [Light Blue box] | Proposed 140' Contour |
| [Light Green box] | Proposed 150' Contour |
| [Light Blue box] | Proposed 160' Contour |
| [Light Green box] | Proposed 170' Contour |
| [Light Blue box] | Proposed 180' Contour |
| [Light Green box] | Proposed 190' Contour |
| [Light Blue box] | Proposed 200' Contour |
| [Light Green box] | Proposed 210' Contour |
| [Light Blue box] | Proposed 220' Contour |
| [Light Green box] | Proposed 230' Contour |
| [Light Blue box] | Proposed 240' Contour |
| [Light Green box] | Proposed 250' Contour |
| [Light Blue box] | Proposed 260' Contour |
| [Light Green box] | Proposed 270' Contour |
| [Light Blue box] | Proposed 280' Contour |
| [Light Green box] | Proposed 290' Contour |
| [Light Blue box] | Proposed 300' Contour |

| DATE | REVISIONS | DATE | BY |
|--------|--|------|----|
| 4/1/15 | REVISED DIMENSIONS TO OVERLAP WITH SHEET 20A | | |

EQOT
 Environmental Quality Oversight
 TECHNICAL REVIEW FOR
 MOUNTAIN STATE DEPARTMENT OF ENVIRONMENTAL QUALITY

Hornor
 Surveyors & Engineers
 Civil, Mining, Environmental and Consulting Engineering
 100 Birch River Road, Suite 200
 Birch River, WV 26610
 304-649-8000

Allegheny Surveys Inc.
 P.O. Box 438
 237 Birch River Road
 Birch River, WV 26610
 304-649-8000

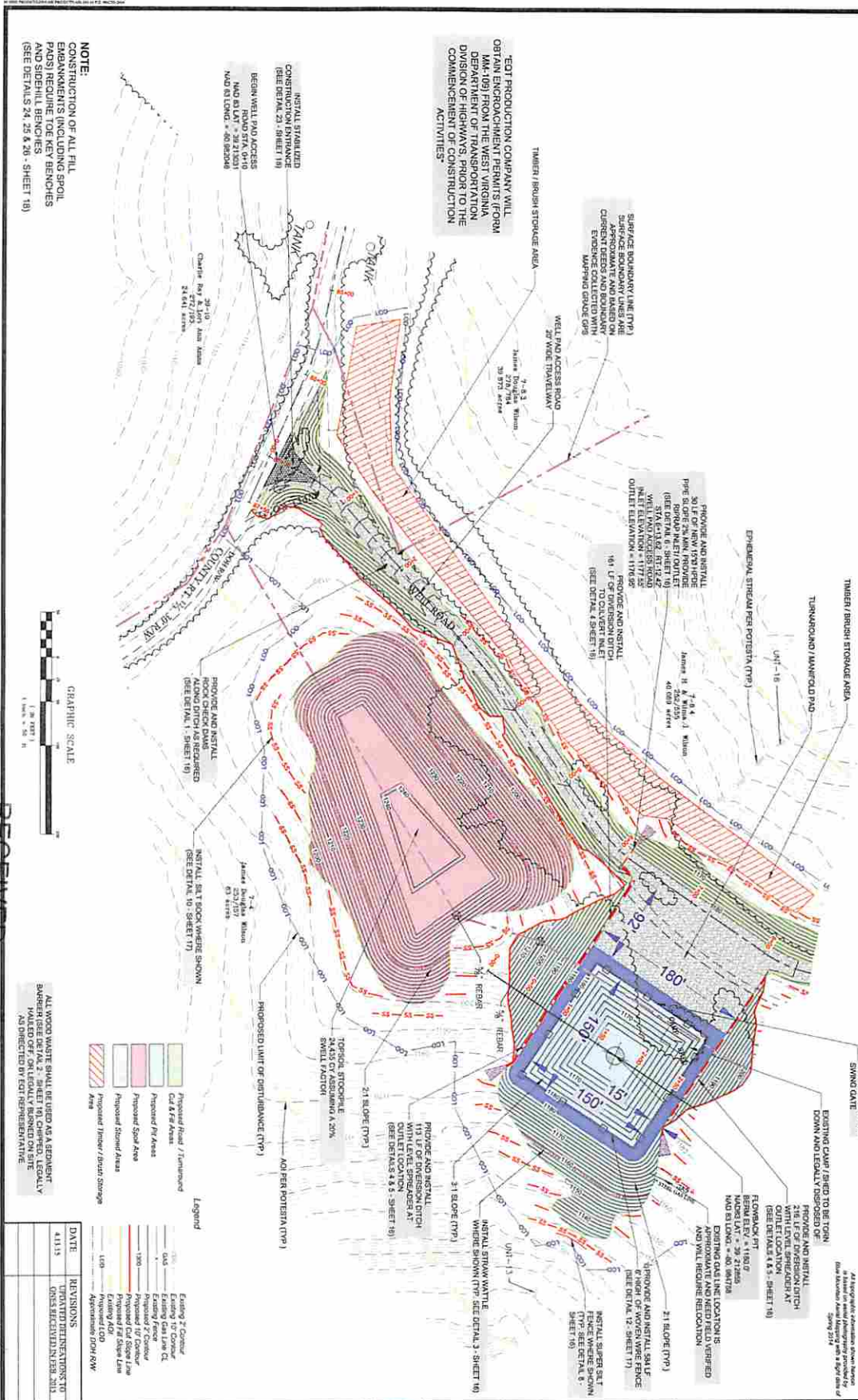


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 WV Department of
 Environmental Protection

SWL
 5-11-15

07/24/2015

PUL 96 WELL PAD FINAL SITE DESIGN



NOTE:
CONSTRUCTION OF ALL FILL
EMBANKMENTS INCLUDING SPIRAL
PADS) REQUIRE TOE KEY BENCHES
AND SIDEHILL BENCHES
(SEE DETAILS 24, 25 & 26 - SHEET 18)

TEST PRODUCTION COMPANY WILL
OBTAIN ENCROACHMENT PERMITS (FORM
MM-109) FROM THE WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS, PRIOR TO THE
COMMENCEMENT OF CONSTRUCTION
ACTIVITIES

SURFACE BOUNDARY LINE (TYP)
APPROXIMATE AND BASED ON
CURRENT DEEDS AND BOUNDARY
EVIDENCE AND MAPPING
MAPPING SOURCE: GCS

PROPOSED AND INSTALLED
PIPE SLOPE: 1:1
SPREAD NILEY OUTLET
(SEE DETAIL 6 - SHEET 18)
WELL PAD ACCESS ROAD
OUTLET ELEVATION: 1177.22'

PROPOSED AND INSTALLED
113' LF OF DIVISION DITCH
TO COLLECT NILEY
(SEE DETAIL 7 - SHEET 18)

PROPOSED AND INSTALLED
ROCK CHECK DAM
ALONG DITCH AS SHOWN
(SEE DETAIL 1 - SHEET 18)

PROPOSED AND INSTALLED
113' LF OF DIVISION DITCH
WITH LEVEL SPREADER AT
OUTLET LOCATION
(SEE DETAILS 1 & 2 - SHEET 18)

EXISTING QUAL LINE LOCATIONS
AND WILL REQUIRE RELOCATION



ALL WOOD WASTE SHALL BE USED AS A SEDIMENT
BARRIER (SEE DETAIL 2 - SHEET 18), CHIPPED, LEGALLY
VALUED OPS, OR LEGALLY REBURNED ON SITE
(AS SPECIFIED BY ESI REPRESENTATIVE)

| DATE | REVISIONS |
|--------|---|
| 4/1/15 | REVISED DIMENSIONS TO ONES RECEIVED IN FEB. 2015 |
| | |
| | |
| | |

| DATE | DATE |
|-----------|-----------|
| 1/13/2015 | 1/13/2015 |
| 1/13/2015 | 1/13/2015 |
| 1/13/2015 | 1/13/2015 |
| 1/13/2015 | 1/13/2015 |

FINAL SITE DESIGN
PUL 96
WELL PAD SITE
CLAY & UNION DISTRICTS
RITCHIE COUNTY, WV

Scale: 1"=50'

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

DATE: 1/13/2015

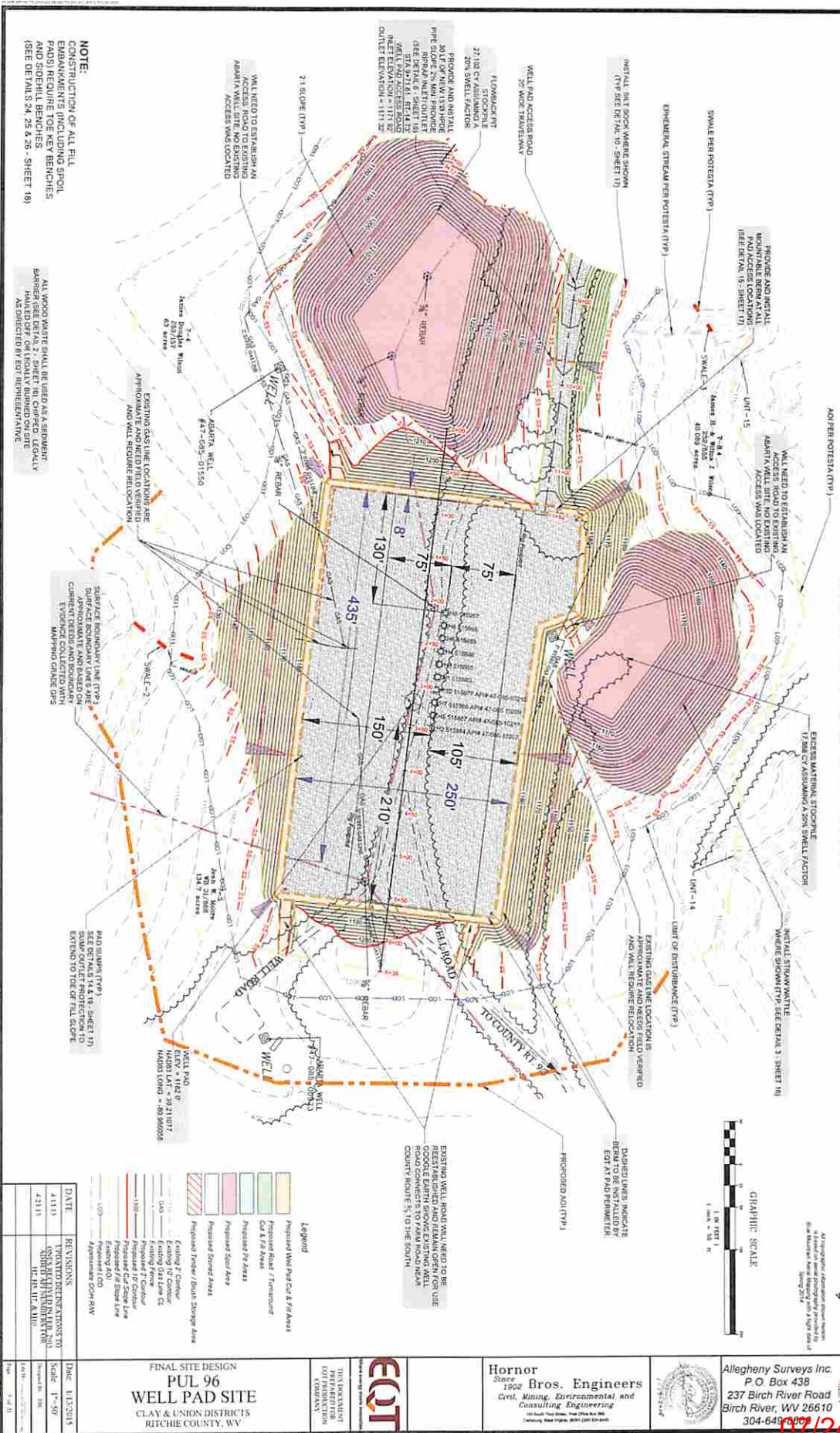
WV Department of
Environmental Protection

MAY 18 2015

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07/24/2015

PUL 96 WELL PAD FINAL SITE DESIGN



NOTE:
CONSTRUCTION OF ALL FILL EMBANKMENTS (INCLUDING SPOIL PADS) REQUIRE FOR KEY BENCHES AND SIDEHILL BENCHES (SEE DETAILS 24, 25 & 26 - SHEET 10)

ALL WOOD POSTS SHALL BE USED AS A SERRANT BARRIER (SEE DETAIL 2 - SHEET 10) CAPPED LEGALLY AS DESCRIBED IN THE PERMIT PLAN SHEET.

SURFACE BOUNDARY LINES ARE SHOWN IN RED. CURBENT BEERS AND BOUNDARY EVIDENCE COLLECTED WITH MAPPING GRADE OPS.

PAD SLIPPER (TYP) (SEE SHEET 10) SHALL BE INSTALLED TO EXTEND TO TOE OF FILL SLOPE.

| DATE | REVISIONS | DATE | DESCRIPTION |
|-------|--------------------------------|-------|--------------------------------|
| 11/10 | FORWARD REFERENCES TO SHEET 10 | 11/10 | FORWARD REFERENCES TO SHEET 10 |
| 12/15 | FORWARD REFERENCES TO SHEET 10 | 12/15 | FORWARD REFERENCES TO SHEET 10 |

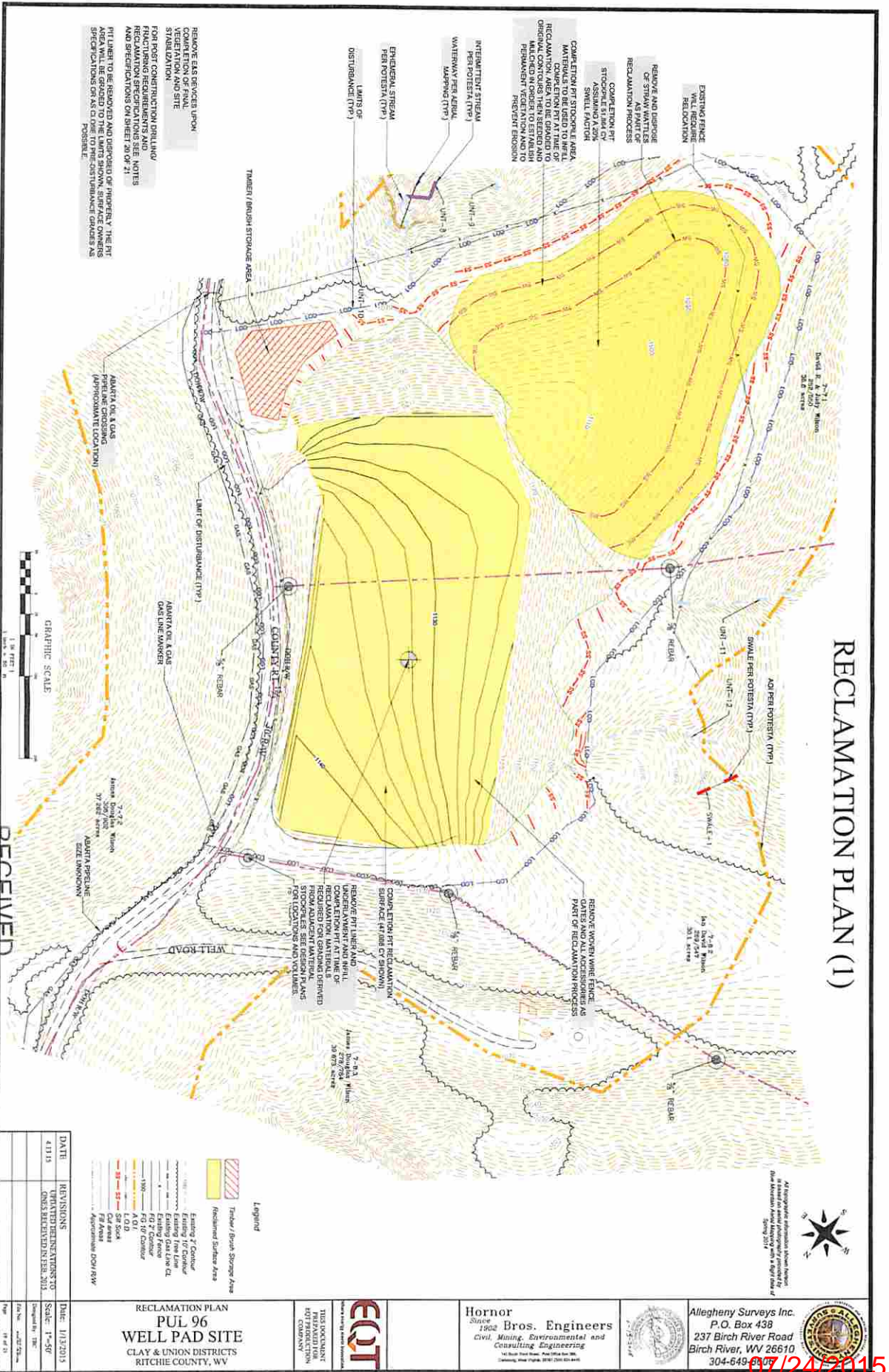
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MAY 18 2015

WV Department of
Environmental Protection

David Walker
5-11-15

07/24/2015

RECLAMATION PLAN (1)



BEFORE SITE RESCUE UPON COMPLETION OF FINAL VEGETATION AND SITE STABILIZATION FOR POST CONSTRUCTION DRILLING/ RECLAMATION REQUIREMENTS AND REVISIONS. NOTES AND SPECIFICATIONS ON SHEET 20 OF 21.

THE USER TO BE ADVISED AND ADVISED OF PROPERTY THE RECLAMATION AREA WILL BE RECLAIMED TO ORIGINAL CONDITION OR BETTER. NOTES AND SPECIFICATIONS ON SHEET 20 OF 21.



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Office of Oil and Gas

MAY 18 2015

WV Department of Environmental Protection

| DATE | REVISIONS | DATE |
|---------|------------------|------------|
| 4/13/15 | DESIGNED BY: TMC | 11/13/2015 |
| | DESIGNED BY: TMC | 7-4-50 |
| | DESIGNED BY: TMC | 11/13/2015 |
| | DESIGNED BY: TMC | 11/13/2015 |
| | DESIGNED BY: TMC | 11/13/2015 |

- Legend**
- Timber/Burn Storage Area
 - Reclaimed Surface Area
 - Existing 10' Contour
 - Existing 15' Contour
 - Existing 20' Contour
 - Existing 25' Contour
 - Existing 30' Contour
 - Existing 35' Contour
 - Existing 40' Contour
 - Existing 45' Contour
 - Existing 50' Contour
 - Existing 55' Contour
 - Existing 60' Contour
 - Existing 65' Contour
 - Existing 70' Contour
 - Existing 75' Contour
 - Existing 80' Contour
 - Existing 85' Contour
 - Existing 90' Contour
 - Existing 95' Contour
 - Existing 100' Contour
 - Existing 105' Contour
 - Existing 110' Contour
 - Existing 115' Contour
 - Existing 120' Contour
 - Existing 125' Contour
 - Existing 130' Contour
 - Existing 135' Contour
 - Existing 140' Contour
 - Existing 145' Contour
 - Existing 150' Contour
 - Existing 155' Contour
 - Existing 160' Contour
 - Existing 165' Contour
 - Existing 170' Contour
 - Existing 175' Contour
 - Existing 180' Contour
 - Existing 185' Contour
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 - Existing 205' Contour
 - Existing 210' Contour
 - Existing 215' Contour
 - Existing 220' Contour
 - Existing 225' Contour
 - Existing 230' Contour
 - Existing 235' Contour
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 - Existing 260' Contour
 - Existing 265' Contour
 - Existing 270' Contour
 - Existing 275' Contour
 - Existing 280' Contour
 - Existing 285' Contour
 - Existing 290' Contour
 - Existing 295' Contour
 - Existing 300' Contour
 - Existing 305' Contour
 - Existing 310' Contour
 - Existing 315' Contour
 - Existing 320' Contour
 - Existing 325' Contour
 - Existing 330' Contour
 - Existing 335' Contour
 - Existing 340' Contour
 - Existing 345' Contour
 - Existing 350' Contour
 - Existing 355' Contour
 - Existing 360' Contour
 - Existing 365' Contour
 - Existing 370' Contour
 - Existing 375' Contour
 - Existing 380' Contour
 - Existing 385' Contour
 - Existing 390' Contour
 - Existing 395' Contour
 - Existing 400' Contour
 - Existing 405' Contour
 - Existing 410' Contour
 - Existing 415' Contour
 - Existing 420' Contour
 - Existing 425' Contour
 - Existing 430' Contour
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RECLAMATION PLAN
PUL 96
WELL PAD SITE
 CLAY & UNION DISTRICTS
 RITCHIE COUNTY, WV



Hornor
 Since 1862
Bros. Engineers
 Civil Mining Environmental and Consulting Engineering
 115 West Third Street, P.O. Box 1010, Charleston, West Virginia 25302-1010
 Phone: 304.525.1100 Fax: 304.525.1101

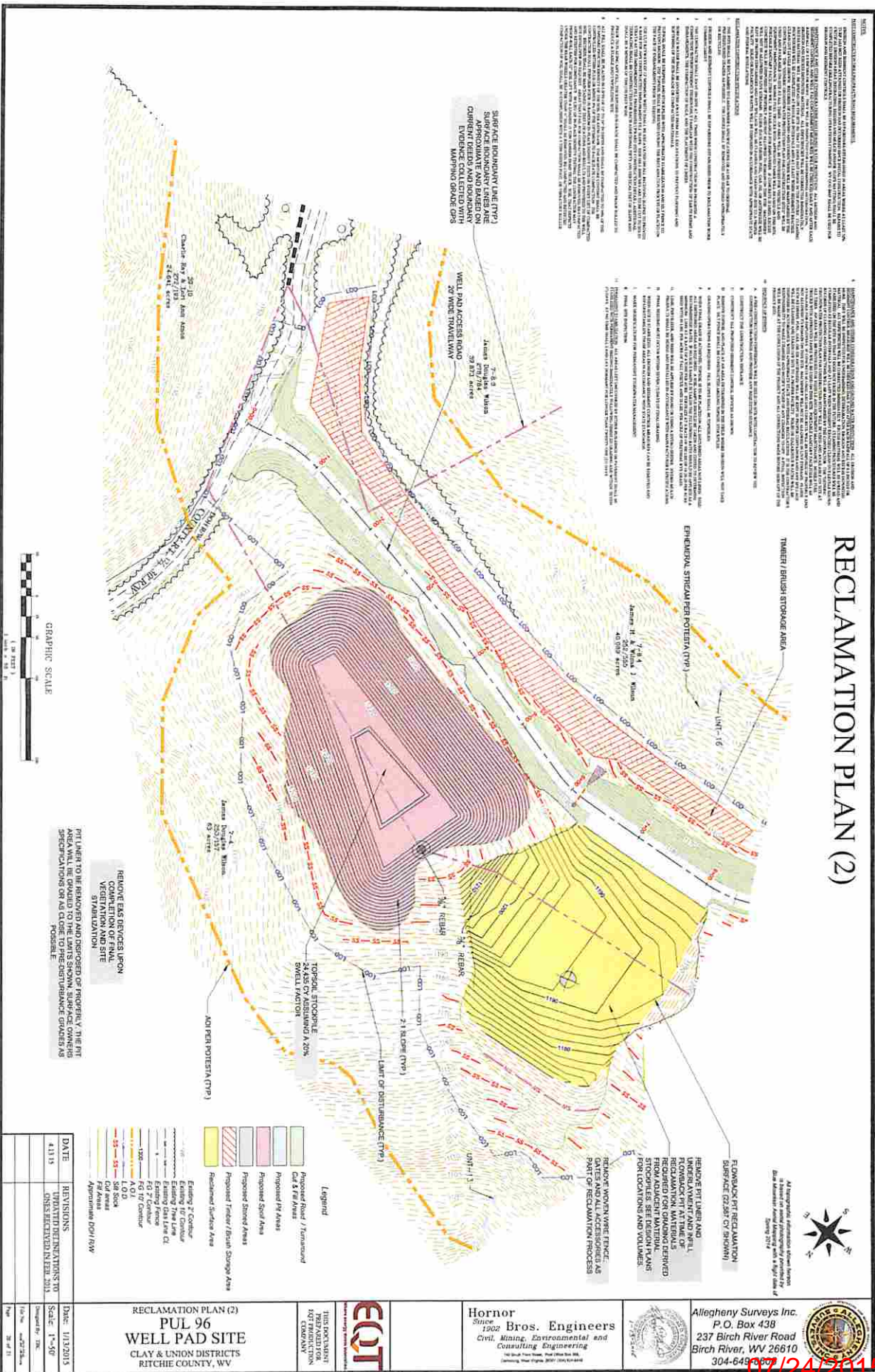


Allegheny Surveys Inc.
 P.O. Box 438
 237 Birch River Road
 Birch River, WV 26610
 304-649-8000



07/24/2015

RECLAMATION PLAN (2)



NOTES:

1. THE RECLAMATION PLAN IS BASED ON THE SURFACE BOUNDARY LINE (TYP) SHOWN ON THE ATTACHED SURFACE BOUNDARY MAP.
2. THE RECLAMATION PLAN IS BASED ON THE SURFACE BOUNDARY LINE (TYP) SHOWN ON THE ATTACHED SURFACE BOUNDARY MAP.
3. THE RECLAMATION PLAN IS BASED ON THE SURFACE BOUNDARY LINE (TYP) SHOWN ON THE ATTACHED SURFACE BOUNDARY MAP.
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10. THE RECLAMATION PLAN IS BASED ON THE SURFACE BOUNDARY LINE (TYP) SHOWN ON THE ATTACHED SURFACE BOUNDARY MAP.



REMOVE LOGS DEVICES UPON VEGETATION AND SITE STABILIZATION

PLANTING TO BE RECONSTRUCTED AND DISPOSED OF PROPERLY. THE PLANTING AREA WILL BE GRADED TO THE LIMITS SHOWN. SURFACE OWNERS SPECIFICATIONS OR AID GUIDE TO PREVENT DISTURBANCE GRADES AS FOLLOWS:

| DATE | REVISIONS | DATE |
|--------|--|------|
| 4/1/13 | REVISED DIMENSIONS TO ONES RECEIVED IN FEB. 2013 | |

| | |
|------------------|--|
| DATE: 1/13/2015 | THIS DOCUMENT IS THE PROPERTY OF EQT. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. |
| SCALE: 1"=50' | |
| DESIGNED BY: EQT | |
| CHECKED BY: EQT | |
| DATE: 01/13/15 | |

RECLAMATION PLAN (2)
PUL 96
WELL PAD SITE
 CLAY & UNION DISTRICTS
 RITCHIE COUNTY, WV



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 Since 1902 **Bros. Engineers**
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 Birch River, WV 26610
 304-649-3800



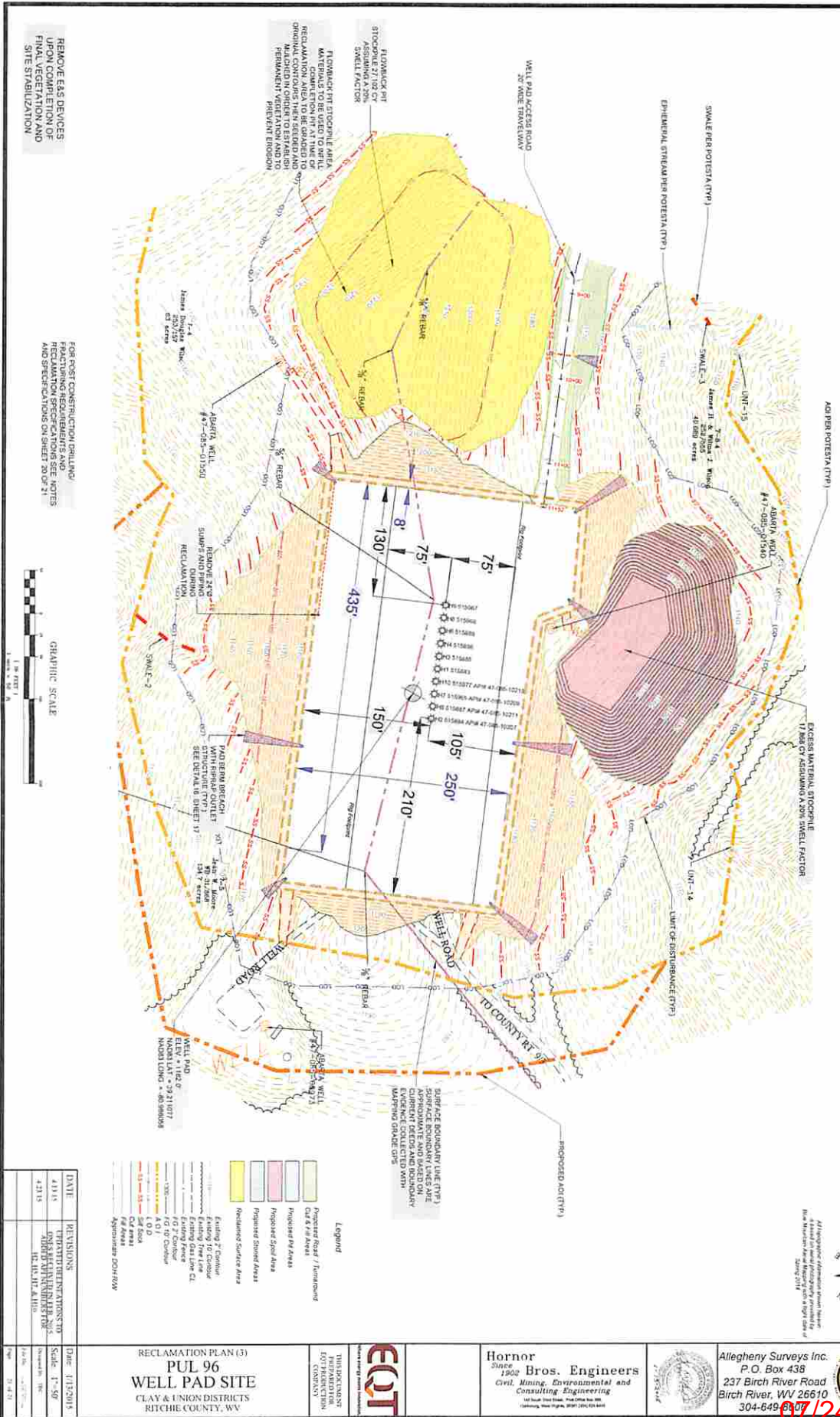
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 WV Department of
 Environmental Protection

RECLAMATION PLAN (3)



Legend

- Proposed Road / Footprint
- Proposed Pad Area
- Proposed Strip Area
- Proposed Stoop Area
- Reclaimed Stoop Area
- Existing 1/2" Contour
- Existing 50' Contour
- Existing 100' Contour
- 1/2" Contour
- 100' Contour
- 10' Ditch
- 10' Ditch
- Approximate DOW RW

| DATE | REVISIONS | DATE |
|---------|----------------------|---------|
| 4/15/15 | DESIGN DEVELOPMENT | 4/15/15 |
| 4/21/15 | ADDITIONAL REVISIONS | 4/21/15 |
| | REVISIONS | |

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Hornor Bros. Engineers
Civil, Mining, Environmental and Consulting Engineering
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Martinsburg, West Virginia, 26151 (304) 261-6600

Allegheny Surveys Inc.
P.O. Box 438
237 Birch River Road
Birch River, WV 26610
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RECLAMATION PLAN (3)
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RITCHIE COUNTY, WV

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