

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

January 14, 2015

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-5101779, issued to CHEVRON APPALACHIA, LLC, 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: CURRY 2H

Farm Name: CURRY, JAMES E.

API Well Number: 47-5101779

Permit Type: Horizontal 6A Well

Date Issued: 01/14/2015

API Number: 5101779

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

WW-6B (9/13)

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

| 1) Well Operator: Chevron Ap | palachia, LLC | 49449935 | Marshall | | Moundsville, WV 7.5' |
|--|---------------------------------------|----------------------|--------------------|---------------|----------------------|
| | | Operator ID | County | District | Quadrangle |
| 2) Operator's Well Number: 2H | | Well Pad | Name: Curry | i | |
| 3) Farm Name/Surface Owner: _ | Curry | Public Roa | d Access: Way | yman's Ridg | e Rd/County Rt 38 |
| 4) Elevation, current ground: 1 | 317' Ele | evation, proposed | post-constructi | on: 1317' | |
| 5) Well Type (a) Gas Other | Oil | Unde | erground Stora | ge | |
| (b)If Gas Shal | low m | Deep | | | |
| Hori | zontal | | He | 8/19/14 | f |
| 6) Existing Pad: Yes or No Yes | | 11 | | , , | |
| Proposed Target Formation(s) Marcellus; 6,504; Thickness: 56' | | | nd Associated | Pressure(s) | |
| 8) Proposed Total Vertical Depth | n: 7928' | | | | |
| 9) Formation at Total Vertical D | epth: Marcellus | | | | |
| 10) Proposed Total Measured De | epth: 16,375' | | | | |
| 11) Proposed Horizontal Leg Le | ngth: <u>8447'</u> | | | | |
| 12) Approximate Fresh Water St | | 573' GL | | | |
| 13) Method to Determine Fresh | | | urry 1H Pilot/offs | set operators | |
| 14) Approximate Saltwater Dept | hs: 1,890'-3,080 | 0' GL | | | |
| 15) Approximate Coal Seam De | pths: 825' GL | | | | |
| 16) Approximate Depth to Possi | ble Void (coal m | ine, karst, other): | 825' GL | | |
| 17) Does Proposed well location directly overlying or adjacent to | n contain coal sea an active mine? | Yes Yes | N | 0 🗸 | |
| (a) If Yes, provide Mine Info: | Name: Alex | ander Mine (abando | ned) | | |
| | Depth: 825'- | -833' GL, | | | = |
| | Seam: Pitts | burgh No. 8 Coal Se | eam | | |
| Received | Owner: Rese | erve Coal Properties | Company | | |
| Office of Oil & Gas | | | | | |

JAN 06 2015

WW-6B (9/13)

18)

CASING AND TUBING PROGRAM

| TYPE | Size | New | Grade | Weight per ft. | FOOTAGE: For | INTERVALS: | CEMENT: |
|--------------|---------|------------|-------|----------------|--------------|--------------|----------------------|
| | | or Used | | (lb/ft) | Drilling | Left in Well | Fill-up (Cu. Ft.) |
| Conductor | 30" | New | | | 40' | 40' | CTS |
| Fresh Water | 20" | New | J-55 | 94# | 673' | 673' | CTS |
| Coal | 13-3/8" | New | J-55 | 54.5# | 925' | 925' | CTS |
| Intermediate | 9-5/8" | New | N-80 | 40# | 2,292' | 2,292' | CTS |
| Production | 5.5" | New | P-110 | 20# | 16,343' | 16,343' | CTS |
| Tubing | | | | | | | |
| Liners | | | | | | | |

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| TYPE | Size | Wellbore Diameter | Wall Thickness | Burst Pressure | Cement Type | Cement Yield (cu. ft./k) |
|--------------|---------|----------------------|-------------------|----------------|-------------|-----------------------------|
| Conductor | 30" | 36" | | | | |
| Fresh Water | 20" | 26" | 0.438" | 2,100 psi | Class A | 1.21 |
| Coal | 13-3/8" | 17.5 | 0.380" | 2,730 psi | Class A | 1.04 |
| Intermediate | 9-5/8" | 12.25 | 0.395 | 5,750 psi | Class A | 1.29 |
| Production | 5.5" | 8.5 | 0.361 | 12,640 psi | Class A | 2.2 |
| Tubing | | | | | | |
| Liners | | | | | | |

PACKERS

| Kind: | | | |
|-------------|--|-------------------|----|
| Sizes: | | | |
| Depths Set: | | Office of Oil and | as |

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WV Department of Environmental Protection WW-6B (9/13)

| 19) Describe proposed well work, including the drilling and plugging back of any pilot hole: |
|--|
| Drill 26" hole to 673' then run and cement 20" casing to surface covering the fresh water. Drill 17.5" hole to 925' then run and cement 13-3/8"" casing to surface covering coal. Drill 12.25" hole to 2,292' then run and cement to surface 9 5/8" casing. Drill 8 1/2" hole to KOP. Drill 8 1/2" curve and lateral to 16,343' MD and 6,556' TVD. Run 5 1/2" production casing and cement back to surface. |
| |
| 20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate: |
| Chevron will utilize plug and perf method with 40 stages using 8,572 bbl of fluid and 315,000 lbm of sand per stage |
| |
| 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 12.5 Acres |
| 22) Area to be disturbed for well pad only, less access road (acres): 3.6 Acres |
| 23) Describe centralizer placement for each casing string: |
| There will be a bow spring centralizer every jt on the Water string. There will be a bow spring centralizer every 2 joints for the Coal and Intermediate String. The production string will have a centralizer every jt in the lateral and curve, then one every two jts from KOP to surface. |
| 24) Describe all cement additives associated with each cement type: |
| The Water String blend will contain class A cement, 3% CaCl2, and flake. The Coal String will be class A cement with 1% CaCl2, and flake. The intermediate will contain class A cement, 2% CaCl2, Salt, and flake. The Production cement will have a lead and tail cement. The lead will contain class A cement, KCl, dispersant, suspension agent, and retarder. The tail will contain class A cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer. |
| 25) Proposed borehole conditioning procedures: |
| We will be circulated a minimum of 2 bottoms up once casing point has been reached on all-hole sections and until uniform mud properties are achieved. |
| Office of Cit and Gas |
| 5. C & 3. C |
| *Note: Attach additional sheets as needed. Environmental Street of Environmen |
| *Note: Attach additional sheets as needed. |

Scenario-1: Marcellus well drilled first as Pilot well:

- a. If a void is encountered, we will drill ahead to min 30' or max 50' below mine void and stop drilling.
 - Notify DEP Inspector and obtain permit/ approval to plug back hole. The plugback procedure will be as follows:
 - o Trip in hole with 2-7/8" tubing cement stinger to 20' above top of void.
 - o Mix and pump cement to fill rat hole below void. Trip out of hole and lay down tubing
 - o Trip in hole with Open Hole Packer and set at 20' above top of void. Test packer.
 - Trip out of hole and lay down packer running tool
 - o TIH w/ 2-7/8" tubing to 5'+/- from top of packer
 - o Mix and pump 15.6pgg cement on top of packer and fill hole to within 10' from surface.
 - o Trip out of hole and lay down tubing.
 - o Nipple down BOPE and related equipment
 - o Cut casing, lay wellhead and casing cut piece
 - Weld on steel plate to cover casing
 - o Rig down and skid rig to next well. Note: Cellar ring removal, cellar filling and installation of land mark will be done later

The rest wells original plan will be revised to incorporate a coal casing string as follows:

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b. Marcellus Wells Contingency Casing Plan:

Drill 26" hole to 700' (min 50' or max 150' beyond freshwater zone)

Office of Oil & Gas

Run 20" 94.5# J-55 BTC casing

Cement casing to surface using displacement method with 30% excess

JAN **06** 2015

- Drill 17-1/2" hole to 925' (min 30'or max 50 beyond mine void)
- Run 13-3/8" 54.5# J-55 BTC casing with cement basket 20' above mine void
- Cement casing using displacement method to bottom of mine void using 100% excess
- Grout from surface to cement basket using whatever volume of cement necessary to get cement to surface
- Drill 12-1/4" hole to 2,292' 100' below the Berea Sand
- Run 9-5/8" 40# N-80 BTC casing to isolate the Berea, shallow gas sand and salt water zones
- Cement casing to surface using displacement method with 30% excess
- Drill 8-1/2" production hole to TD
- Run 5 ½" 20# P-110 VA Superior production casing to TD
- Cement casing to surface using displacement method with 10% excess
- c. <u>Utica/ Point Pleasant well Contingency Casing Plan</u>: In a situation where there is also Utica/ Point Pleasant well(s) to be drilled on same pad, the Point Pleasant/Utica well contingency casing design based on the outcome of the Marcellus pilot well drilled will be as follows:
 - Drill 26" hole to 673' (min 50' or max 150' beyond freshwater zone)
 - Run 24" 186# X-56 DDS casing
 - Cement casing to surface using displacement method with 30% excess
 - Drill 21" hole to 925' (min 30'or max 50 beyond mine void)
 - Run 18-5/8" 87.5# J-55 BTC casing with cement basket 20' above mine void
 - Cement casing using displacement method to bottom of mine void using 100% excess
 - Grout from surface to cement basket using whatever volume of cement necessary to get cement to surface
 - Drill 17-1/2" hole to 2,292' 100' below the Berea Sand
 - Run 13-3/8" 72# N-80 BTC casing to isolate the Berea, shallow gas sand and salt water zones
 - Cement casing to surface using displacement method with 30% excess
 - Drill 12-1/4" hole to 8,852' 100' below the Lockport

Scenario-2: Drilling String/ Bottom Hole Assembly Stuck during drilling:

- If the drill string/BHA gets stuck during drilling operation:
 - o Make all necessary effort and attempt to free the drill string/BHA.
 - o If all effort and attempts proves unsuccessful, will notify WV DEP Inspector of situation and obtain verbal and/or email approval to plug hole back with cement plug(s) and sidetrack well
 - Cement plug(s) will be set as needed to the desired depth adequate for successful sidetrack of well without compromising anti-collision with the original hole and ghost well(s)/adjacent wells on the same pad
 - o Cement plug(s) additives will contain Class H cement, KCl, Dispersant, Anti-Foam, and Retarder.
 - o Trip in hole with Drilling Bottom Hole Assembly
 - o Dress/drill cement to proposed kick off point
 - Kick off and sidetrack well and directionally drill sidetrack well to original casing point

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JAN 06 2015

CEMENT ADDITIVES

The Water String blend will contain class A cement, 3% CaCl2, and flake.

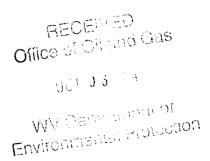
The Coal String will be class A cement with 1% CaCl2, and flake.

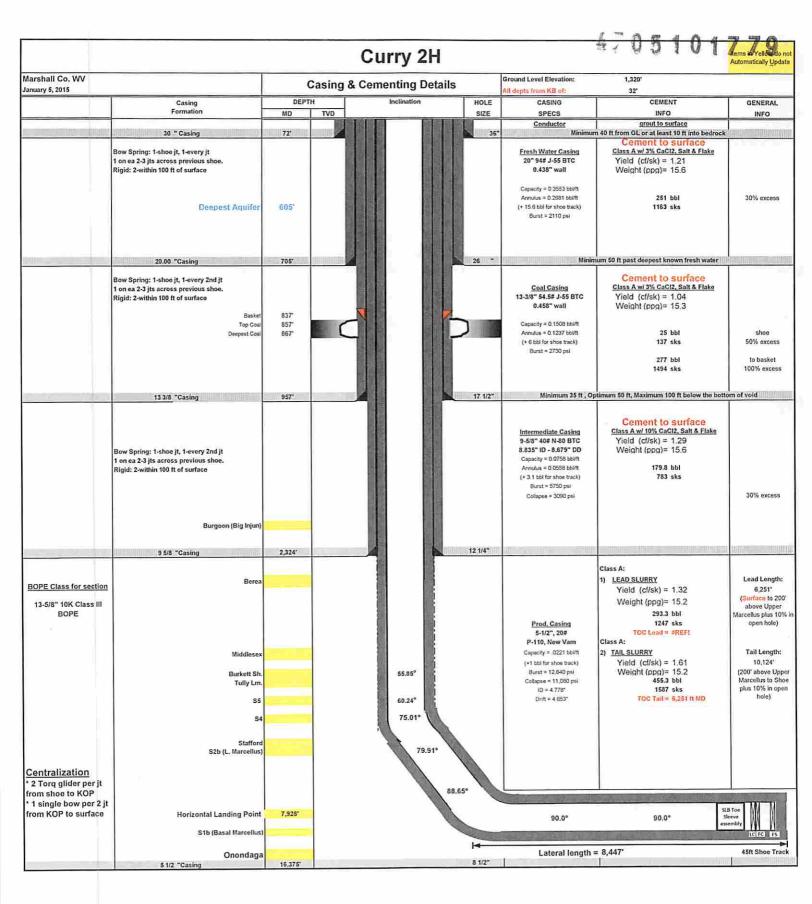
The intermediate will contain class A cement, 2% CaCl2, Salt, and flake.

The Production cement will have a lead and tail cement.

The lead will contain class A cement, KCl, dispersant, suspension agent, and retarder.

The tail will contain class A cement, Calcium Carbonate, KCI, dispersant, de-foamer, suspension agent, and friction reducer.





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JAN 0 6 2015

WW-9 (9/13)

| API Number 47 - | |
|---------------------|------|
| Operator's Well No. | . 2H |

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name_Chevron Appalar | Chia, LLC OP Code 49449935 |
|--|---|
| Watershed (HUC 10) Middle C | * |
| | County Marshall District Washington |
| Do you anticipate using more t | han 5,000 bbls of water to complete the proposed well work? Yes No |
| | anticipated pit waste: |
| Will a synthetic liner | be used in the pit? Yes No If so, what ml.? |
| Proposed Disposal Mo | ethod For Treated Pit Wastes: |
| Und Reu Off | d Application lerground Injection (UIC Permit Number) se (at API Number) Site Disposal (Supply form WW-9 for disposal location) |
| Oth | er (Explain |
| Will closed loop system be use | Yes. The system Will remove anil cuttings from the drilling of the system will remove anil cuttings from the drilling of the prepared for transportations are then prepared for transportations. |
| Drilling medium anticipated for | to an offsite also vertical and horizontal)? Air, freshwater, oil based, etc. Vertical on Air, Horizontal on Oil Based |
| -If oil based, what typ | pe? Synthetic, petroleum, etc.Synthetic |
| | g medium? Fluid loss control, emulsifier, and shale stabilizer Office of Oil & Gas |
| | 2. Leave in hit landfill removed officite, etc. Removed offsite |
| | to solidify what medium will be used? (cement, lime, sawdust) N/A JAN 0 6 2015 |
| | me/permit number?Arden Landfill - Permit # - PA DEP 100172 |
| | |
| on August 1, 2005, by the Off provisions of the permit are elaw or regulation can lead to a I certify under pena application form and all attachtaining the information. | Ity of law that I have personally examined and am familiar with the information submitted on this achments thereto and that, based on my inquiry of those individuals immediately responsible for believe that the information is true, accurate, and complete. I am aware that there are significant information, including the possibility of fine or imprisonment. |
| Company Official Signature_ | arraShumaker |
| Company Official (Typed Na | me) Anna Shumaker |
| Company Official Title Pen | nitting Coordinator |
| | |
| Subscribed and sworn before | me this 12 day of August , 20 14 COMMONWEALTH OF PENNSYLVANIA Thomas Basinger Notary Public THOMAS BASINGER |
| My commission expires 9 | Notary Public CONNELLSVILLE OF PAGY 2015 My Commission Epines Set 2015 |

| Form WW-9 | Operator's Well No. 2H |
|---|---|
| Chevron Appalachia, LLC | Operator's well ino |
| Proposed Revegetation Treatment: Acres Disturbed 19.5 Lime 2,000 lb/ac Tons/acre or to correct to Fertilizer type | Prevegetation pH 6.5-7.0 pH 6.5 to 7.0 |
| Fertilizer amount 1,000 | lbs/acre |
| 2 | ns/acre |
| <u>\$</u> | Seed Mixtures |
| Temporary | Permanent |
| Seed Type lbs/acre Annual Ryegrass Mixture 10 lb per acre (3/1-5/15) and (8/16-4/30) | Seed Type Ibs/acre Kentucky 31 Frescue - 20 Ib/ac Annual Rye Grass |
| Barley or Oats (local seeds) 50 lb per acre (3/1-5/15) | Red Fescue (PENN LAWN) 20 lb/ac and 41 lb/ac |
| Millet (Hungarian, German, or Japanese) 50 lb per acre (5/16-8/15) | Crownvetch 20 lb/ac Hard Fescue Mixture 63 lb/ac Hard Fescue Mixture 63 lb/ac Annual Ryegrass (8/1-5/15) 7lb/ac (cut & fill slopes) |
| Attach: Drawing(s) of road, location, pit and proposed area for land provided) Photocopied section of involved 7.5' topographic sheet. | Annual Ryegrass (8/1-5/15)12 lb/ac (all other areas) Weeping Lovegrass (5/15-8/1) 5lb/ac application (unless engineered plans including this info have been |
| Plan Approved by: Ja o Muholon Comments: Occupied Dwe feet from center of pa Owner Waiver recorded | with County Clark, Or DED |
| Variance and Parwit (| 'oceditions |
| | Office of Orland His |
| | grang disk of the |
| Title: 0,1 + Gas luspector Field Reviewed? () Yes (| Date: 8/19/14 Environmental Projection No |

CHEVRON APPALACHIA, LLC



West Virginia Well Site Safety Plan

Curry Site Well 2H Marshall County, West Virginia

Prepared in Conformance with:

West Virginia's Code §22-6A and Legislative Rule §35-8-5.7 and

West Virginia Department of Environmental Protection's, Office of Oil and Gas documents: "Well Site Safety Plan Standards" (issued August 25, 2011), and "Deep Well Drilling Procedures and Site Safety Plan Requirements" (issued October 22, 2012)

Dh 8/19/14

Revision 1

Original: September 2012

Revised: June 2013

Revised: May 2014

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Office of Oil and Gas

001.06.494

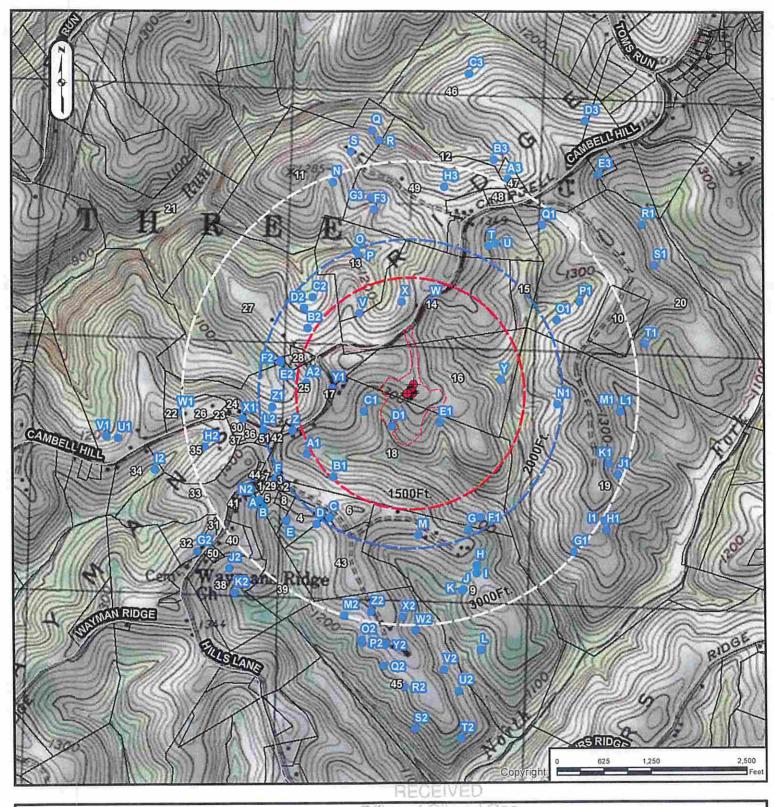
WV Department of Environmental Protection

01/16/2015

Date: 7/21/2014

WATER SUPPLY EXHIBIT **CURRY**





Office of Oil arcounty: MARSHALL SURFACE OWNER: JAMES E. CURRY

DISTRICT: WASHINGTON OIL/GAS OWNER: JAMES E. CURRY

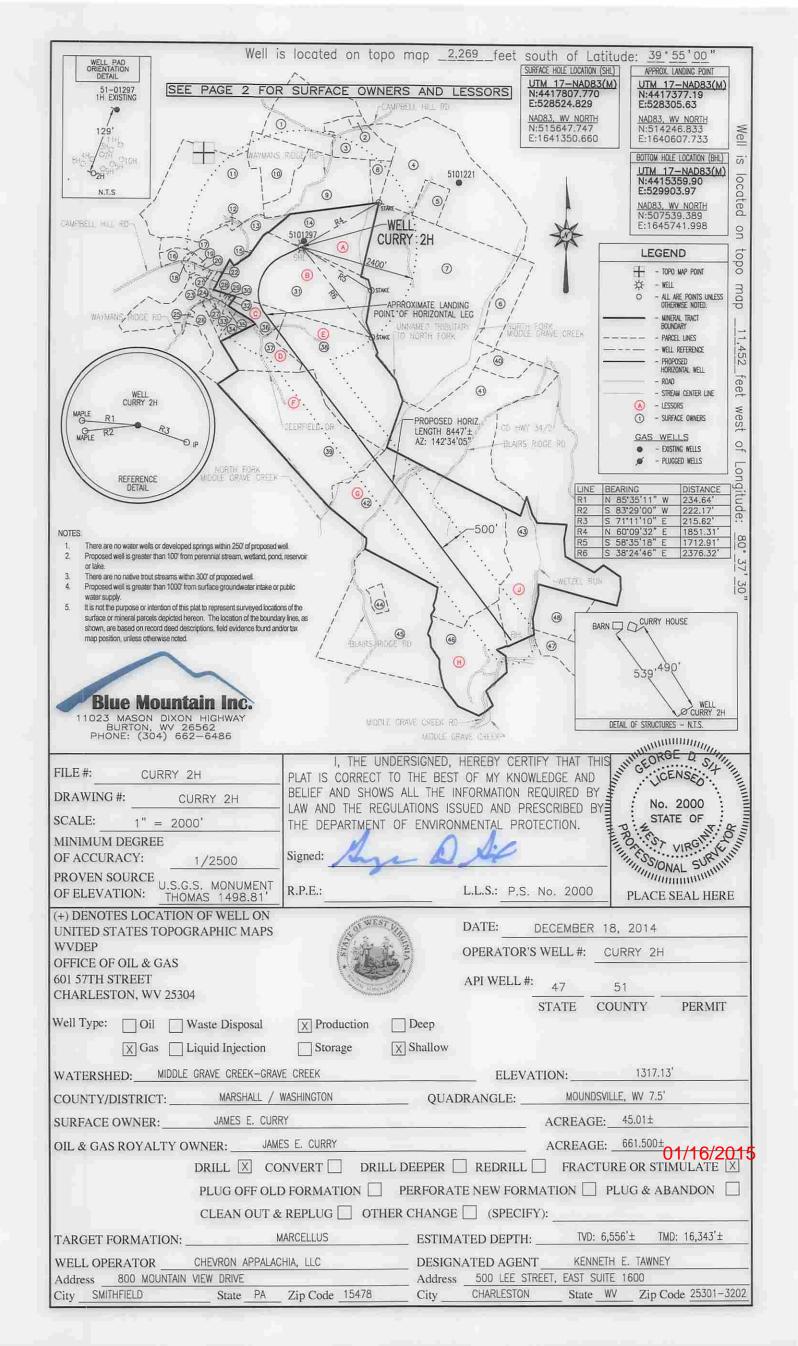
WELL OPERATOR: CHEVRON APPALACHIA, LLC Department of BLUE MOUNTAIN INC.

ADDRESS: 800 MOUNTAIN VIEW DRIVE VIRONMENTAL ADDRESS: 11023 MASON DIXON HIGHWAY BURTON, WV 26562 01/16/2015

SMITHFIELD, PA 15478

PHONE: 724-564-3700

PHONE: 304-662-6486



CURRY 2H PAGE 2 OF 2

| | LESSOR | DIST-TM/PAR |
|---|----------------------------------|-------------|
| Α | JAMES E. CURRY | 14-10/15 |
| В | JOSEPH M. & TAMARA L. CROW | 14-10/17 |
| С | PATRICIA S. HOSKINS ET AL | 14-11/8.7 |
| D | PATRICIA S. HOSKINS ET AL | 14-11/8 |
| E | RAYMOND E. & CAROLYN S. FRANKLIN | 14-11/9 |
| F | PATRICIA S. HOSKINS ET AL | 14-11/8.10 |
| G | RAY STOLLAR | 15-16/1 |
| Н | AARON R. SR. & JANNA K. PARRY | 15-16/7 |
| J | DWAIN E. GLOVER | 15-16/12 |

| SURFACE OWNER | DIST-TM/PAR |
|---------------------------------------|-------------|
| DENNIS & MICHELLE S. BLAKE | 14-10/11.3 |
| JAMES E. BLAKE | 14-10/11.1 |
| JOHN J. II & JENNA E. HART | 14-10/11 |
| JOHN J. & RENEE A. HART | 14-10/19.1 |
| JOHN J. & RENEE A. HART | 14-10/19 |
| JOHN A. BIERCE II ET UX | 15-15/3 |
| JOHN J. HART ET UX | 14-10/18 |
| JOHN J. HART ET UX | 14-10/14 |
| JAMES E. CURRY | 14-10/13 |
| O DENNIS BLAKE ET UX | 14-10/12 |
| 1 MICHAEL T. DAVIS | 14-10/9 |
| 2 FREDA ELIZABETH BLAKE | 14-10/9.1 |
| 3 DAVID L. BLAKE | 14-10/8.2 |
| 4 JAMES E. CURRY | 14-10/15 |
| 5 JOSEPH MICHAEL CROW | 14-10/16 |
| 6 RICHARD E. HITT | 14-10/8.3 |
| 7 VALLIE JAMES WEST | 14-10/8 |
| 8 DENNIS CLYDE FISHER | 14-11/18 |
| 9 VALLIE JAMES WEST | 14-10/8.1 |
| O DENNIS C. FISHER ET UX | 14-11/6.4 |
| 1 DAVID E. HILL ET UX | 14-11/6.10 |
| 2 DAVID E. HILL ET UX | 14-11/7 |
| 3 ILA F. MOORE ET AL | 14-11/6 |
| 4 ROBERT H. BOWMAN JR. | 14-11/8.1 |
| 5 RONALD R. & NITA L. ADKINS | 14-11/6.9 |
| 6 JASON W. & AMANDA K. JOHNSON | 14-11/6.5 |
| 7 MARY V. JAKO ET AL | 14-11/8.2 |
| 8 JOHN J. & BELINDA R. BAKER | 14-11/8.8 |
| 9 RICHARD W. HYETT ET UX | 14-11/17 |
| O RICHARD W. HYETT ET UX | 14-11/8.4 |
| 1 JOSEPH MICHAEL CROW ET UX | 14-10/17 |
| 2 RICHARD W. HYETT ET UX | 14-11/8.3 |
| 3 PATRICIA SUE HOSKINS | 14-11/8.6 |
| 4 DEBRA J. & RICHARD L. WAYT JR. | 14-11/8.5 |
| 5 GREGORY SCOTT MCDONALD ET UX | 14-11/8.9 |
| 6 DAVID E. FRANKLIN | 14-11/8.7 |
| 7 DAVID LAWRENCE WILSON ET UX | 14-11/8 |
| 8 RAYMOND EUGENE FRANKLIN ET UX | 14-11/9 |
| 9 DAVID L. WILSON ET UX | 14-11/8.10 |
| | 15-15/2 |
| | |
| 1 VERNON KNOX JR. ET UX | 15-15/1 |
| 2 RONALD A. STOLLAR | 15-16/1 |
| 3 DWAIN E. GLOVER | 15-16/12 |
| 4 ANTHONY T. & ABBY Q. GEHO | 15-16/3.1 |
| 5 DONNA M. GEHO - LIFE | 15-16/3 |
| 6 AARON R. SR. & JANNA K. PARRY ET AL | 15-16/7 |
| 7 DWAYNE A. BONDS JR. | 15-16/10 |
| 8 DWAIN E, GLOVER | 15-16/11 |

SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83(M)
N:4417807.770
E:528524.829

NAD83, WV NORTH N:515647.747 E:1641350.660

APPROX. LANDING POINT

UTM 17-NAD83(M)
N:4417377.19
E:528305.63

N:514246.833 E:1640607.733

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83(M)
N:4415359.90
E:529903.97

NAD83, WV NORTH N:507539.389 E:1645741.998

01/16/2015

