

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452 Earl Ray Tomblin , Governor Randy C. Huffman , Cabinet Secretary www.dep.wv.gov

Friday, December 16, 2016 WELL WORK PERMIT Vertical / New Drill

HG ENERGY, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit approval for W.S. May No. 261

47-043-03568-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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) 926-0450.

James A. Martin Chief

Operator's Well Number: W.S. May No. 261

Farm Name: David Adkins

U.S. WELL NUMBER: 47-043-03568-00-00

Vertical / New Drill

Date Issued: 12/16/2016

Promoting a healthy environment.

PERMIT CONDITIONS

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

CONDITIONS

- 1. 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 §22-6-20, 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.
- 2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
- 7. Well work activities shall not constitute a hazard to the safety of persons.
- 8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced, drilling ceased, completion of any other permitted well work and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

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

| 1) Well Operator | : HG Er | nergy, LL | .C | 494497948 | Lincoln | Duval | Griffithsville 7.5' |
|---|---|--------------|--------------------|--------------|--------------|----------------|---------------------|
| | | | | Operator ID | County | District | Quadrangle |
| 2) Operator's We | 2) Operator's Well Number: W. S. May 261 3) Elevation: 996' | | | | | | |
| 4) Well Type: (a) | Oil_X | or Ga | s | | | | |
| (b) If Gas: Production / Underground Storage | | | | | | | |
| Deep/ Shallow X | | | | | | | |
| 5) Proposed Target Formation(s): Berea Proposed Target Depth: 2600' 6) Proposed Total Depth: 2900' TMD Feet Formation at Proposed Total Depth: Berea 7) Approximate fresh water strata depths: 375' 8) Approximate salt water depths: 1200' | | | | | | | |
| 9) Approximate of | coal sear | n depths | s: <u>428'</u> | | | | |
| 10) Approximate | void de | pths,(coa | al, Karst, other): | NA | | | <u>0</u> // |
| 11) Does land co | ontain co | al seam | s tributary to act | ive mine? _ | NA | | |
| 12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed) Drill and stimulate production well in the Berea. Stimulation will be small hydraulic fracture. | | | | | | | |
| 13) CASING AND TUBING PROGRAM | | | | | | | |
| 13) <u>CASING AND TUBING PROGRAM</u> TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT | | | | | | | |
| | <u>Size</u> | <u>Grade</u> | Weight per ft | For Drilling | Left in Well | Fill -up (Cu | . Ft.) |
| Conductor | | | | | | | |
| Fresh Water | 7" | LS | 17# | 525' | 525' | СТ | 3 |
| Coal | | : | | | | | |
| Intermediate | | | | | | | |
| Production | 4 1/2" | J-55 | 10.5# | 2900' | 2900' | 150 s | ks |
| Tubing | | | | | | - RECEN | |
| Liners | | | | | C | FECEIVE OF OIL | VED |
| Packers: Kind: | | | | ., | | 70/99 | no. |
| Sizes Dent | s: hs Set | | | · | | V Denay | <u> </u> |
| Sizes: Depths Set Environmental Protection | | | | | | | |

| WW-2 | 2A |
|-------|-------|
| (Rev. | 6-14) |

1). Date: <u>November 1, 2016</u>

2.) Operator's Well Number

W. S. May 261

State

County Permit

3.) API Well No .:

47- Lincoln

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

| | vner(s) to be served: | 5) (a) Coal Operator |
|------------------------------|---|---|
| (a) Name | David Adkins | Name |
| Address | 5115 Straight Fork | Address |
| | Griffithsville, WV 25521 | |
| (b) Name | Dwight & Debra Loveiov / | (b) Coal Owner(s) with Declaration |
| Address | 5 Bethel Drive | Name NA |
| | Yawkev. WV 25573 | Address |
| | TAWKEY, WY ZOOTO | - |
| (c) Name | Randall & Patricia Cov / | Name |
| Address | 232 Bear Fork Road | Address |
| | Yawkev, WV 25573 | |
| 6) Inspector | Jefferv L. Smith | (c) Coal Lessee with Declaration |
| Address | 5349 Karen Circle - #2101 | Name NA |
| 71441555 | Cross Lanes, WV 25313 | Address |
| Telephone | 681-313-6743 | |
| relepitorie | | MED ABOVE TAKE NOTICE THAT: |
| Included is t | | contract or contracts by which I hold the right to extract oil and gas |
| OR | the lease of leases of other continuing | contract of contracts by which i floid the right to extract on and gas |
| X Included is t | he information required by Chanter 22 | 2, Article 6, Section 8(d) of the Code of West Virginia (see page 2) |
| | | of the West Virginia Code I have served copies of this notice and |
| application a loc | eation plat, and accompanying docume | ents pages 1 through on the above named parties by: |
| application, a loc | Personal Service (Affidavit attac | ched) |
| - | Certified Mail (Postmarked posta | |
| _2 | Publication (Notice of Publication | |
| l house w | | |
| | | d 35 CSR 4, and I agree to the terms and conditions of any permit |
| issued under this | | sonally examined and am familiar with the information submitted or |
| | | ased on my inquiry of those individuals immediately responsible for |
| | ormation, I believe that the information | |
| | | s for submitting false information, including the possibility of fine and |
| imprisonment. | are that there are significant penalties | rior sabritaing raise information, molading the possibility of line and |
| impriconitions. | | |
| | Well Operator | HG Energy, LLC |
| Processor Consideration | By: | HG Energy, LLC Diane White Diane, White |
| CI WIST DA N | DEFICIAL SEAL By: | Diane White Diane White |
| | OFFICIAL SEAL OTARY PUBLIC STATE OF WEST VIRGINIA MARK J SCHALL Addross | Diane White Agent |
| | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST VIRGINIA MARK J SCHALL H G Energy L L C PO Box 5519, Vienna, WV 26106 | Diane White Agent 5260 Dupont Road |
| | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST VIRGINIA MARK J SCHALL H G Energy L L Address: PO Box 5519, Vienna, W 20105 | Diane White Agent 5260 Dupont Road Parkersburg, WV 26101 |
| | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST VIRGINIA MARK J SCHALL H G Energy L LC PO Box 5519, Vienna, LW 20105 My Commission Expires November 2, 2021 Telephone: | Diane White Agent 5260 Dupont Road Parkersburg. WV 26101 304-420-1119 |
| | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST VARGINIA MARK J SCHALL H G Energy L L C PO Box 5519, Vienna, W2 20105 My Commission Explies November 2, 2021 Telephone: Email: | Diane White Diane White Agent 5260 Dupont Road Parkersburg, WV 26101 304-420-1119 dwhite@hgenergvllc.com |
| | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST VIRGINIA MARK J SCHALL H G Energy L LC PO Box 5519, Vienna, LW 20105 My Commission Expires November 2, 2021 Telephone: | Diane White Diane White Agent 5260 Dupont Road Parkersburg. WV 26101 304-420-1119 dwhite@hgenergvllc.com |
| | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST VARGINIA MARK J SCHALL H G Energy L L C PO Box 5519, Vienna, W2 20105 My Commission Explies November 2, 2021 Telephone: Email: | Diane White Diane White Agent 5260 Dupont Road Parkersburg. WV 26101 304-420-1119 dwhite@hgenergvllc.com |
| Subscribed and | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST WAGNIA MARK J SCHALL H G Energy L L C PO Box 5519, Vienna, WY 20105 Hy Commission Explres November 2, 2021 Telephone: Email: sworn before me this | Diane White Diane White Agent 5260 Dupont Road Parkersburg, WV 26101 304-420-1119 dwhite@hgenergvllc.com |
| Subscribed and My Commission | OFFICIAL SEAL OTARY PUBLIC. STATE OF WEST VARGINIA MARK J SCHALL H G Energy L L C PO Box 5519, Vienna, LW 20105 My Commission Expires November 2, 2021 Telephone: Email: sworn before me this 1st day of | Diane White Diane White Agent 5260 Dupont Road Parkersburg. WV 26101 304-420-1119 dwhite@hgenergvllc.com |
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The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 Clopdepprivacyofficer@wv.gov 12/16/2016

Operator's Well Number WS May 261

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22. Article 6. Section 8(d) 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:

| Grant | or I | essor | etc |
|--------|-------|-------|--------|
| Giaiii | UI. L | ころろひに | . CIL. |

Grantee, Lessee, etc.

Royalty

Book/Page

** See Attached Sheet **

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 he reby a cknowledges 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 communities the need for other permits/approvals that may be necessary and turtner animal processor.

permits/approvals should be ac quired from the appropriate aut hority before the of Oil and Gas

Wy Department of Environmental Protection 2016 Well Operator: HG Energy, LLC By:Its: Diane White, Agent

| Form | WW-2A(1) |
|--------|----------|
| (10/10 | 0) |

|--|--|

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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- (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:

| Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book/Page |
|------------------------|-----------------------|---------|-----------|
| Wayne & Teresa Woodall | HG Energy, LLC | 1/8 | 55/81 |

Merger and Conveyance dated July 3, 1963, from South Penn Oil Company to Penzoil Company, Kanawha County, Book 153, Page 35,

Assignment, Conveyance and Bill of Sale dated December 28, 1998, from Pennzoil Company to Pennz Energy Exploration and Production, Wetzel County, Book 12, Page 177.

Certificate of Merger filed with the WV Secretary of State, December 31, 1999, whereby Pennz Energy Exploration and Production, successor in interest to; to Penzoil Company, merged with Devon Energy Production Company, LP, Wetzel County, Book 12, Page 278.

Deed, Assignment and Bill of Sale dated June 1, 2000, from Devon Energy Production Company, LP to East Resources, Inc., recorded in Wetzel County, Book 370, Page 580.

Assignment, Conveyance and Bill of Sale, dated January 1, 2011, from East Resources, Inc., to HG Energy, LLC, Wetzel County, Book 118A, Page 253.

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 the use of access roads, pipelines and utilities.

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

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

Office of Oil and Gas

| | Well Operator: | HG Energy, LLC | Enviro Departe |
|---|----------------|----------------|-------------------|
| Its: Accountant | Ву: | Diane C. White | Diane Whitental D |
| - * * * * * * * * * * * * * * * * * * * | Its: | Accountant | 70t 2016 |

| WW-2B1 | |
|--------|--|
| (5-12) | |

| Well No. | W S May 261 | |
|----------|-------------|--|
| - | | |

West Virginia Department of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

| Certified Labora | ratory Name Sturm Environmental Lab | | |
|---------------------|-------------------------------------|-------------------------|--|
| Sampling Contractor | | Sturm Environmental Lab | |
| | | | |
| Well Operator | HG Energy, LLC | | |
| Address | 5260 Dupont R | oad | |
| | Parkersburg, W | V 26101 | |
| Telephone | 304-420-1119 | | |

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

- See Attached List -

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Office of Oil and Gas
NOV 2 2 2016

WV Department of Environmental Protection

Page 2 - Continued

Well No. W. S. May 261

West Virginia Department of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

Surface Owners Identified With Water Sources to be Sampled and Tested:

David Adkins
 5115 Straight Fork
 Griffithsville, WV 25521

* Robert & Beth Miller 142 Bear Fork Road Yawkey, WV 25573

SEE TOPO. MAP.



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NOV 2 2 2016

WV Department 12/16/2016 Environmental Protection WW-9 (5/16)

| API Number 47 - | |
|------------------------|---------|
| Operator's Well No. WS | May 261 |

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name HG Energy, LLC | OP Code 494497948 |
|--|---|
| Watershed (HUC 10) Bear Fork | Quadrangle Griffithsville 7.5' |
| Do you anticipate using more than 5,000 bbls of water Will a pit be used? Yes No No | er to complete the proposed well work? Yes No V |
| If so, please describe anticipated pit waste: | |
| Will a synthetic liner be used in the pit? Yes | s No li If so, what ml.? 30 Ml. |
| Proposed Disposal Method For Treated Pit V | Wastes: |
| | eted provide a completed form WW-9-GPP) |
| | UIC Permit Number) |
| Reuse (at API Number Off Site Disposal (Supply | form WW-9 for disposal location) |
| Other (Explain | Total Will Stor dispositive distribution, |
| | |
| Will closed loop system be used? If so, describe: NA | 4 |
| Drilling medium anticipated for this well (vertical an | d horizontal)? Air, freshwater, oil based, etc. Air, Freshwater |
| -If oil based, what type? Synthetic, petroleu | ım, etc. NA |
| Additives to be used in drilling medium? Water, Soap | p, KCI |
| Drill cuttings disposal method? Leave in pit, landfill, | removed offsite, etc. Remove offsite |
| -If left in pit and plan to solidify what mediu | ım will be used? (cement, lime, sawdust) NA |
| -Landfill or offsite name/permit number? To | o be determined upon approval of permit |
| | f Oil and Gas of any load of drill cuttings or associated waste rejected at any |
| west Virginia solid waste facility. The notice shall be where it was properly disposed. | e provided within 24 hours of rejection and the permittee shall also disclose |
| I certify that I understand and agree to the t | erms and conditions of the GENERAL WATER POLLUTION PERMIT issued |
| on April 1, 2016, by the Office of Oil and Gas of the | e West Virginia Department of Environmental Protection. I understand that the |
| provisions of the permit are enforceable by law. Viole or regulation can lead to enforcement action. | ations of any term or condition of the general permit and/or other applicable law |
| I certify under penalty of law that I have | personally examined and am familiar with the information submitted on this |
| | based on my inquiry of those individuals immediately responsible for obtaining, accurate, and complete. I am aware that there are significant penalties for |
| submitting false information, including the possibility | |
| Company Official Signature Diane Whit | te |
| Company Official (Typed Name) Diane White | DESERVICE |
| Company Official Title Accountant | Office of Oil and Gas |
| - The state of the | Onice of Off-and Gas |
| | NOV 2 2 2016 |
| Subscribed and sworn before me this 1st | _day of November , 20 16 |
| Las | Notary Public NOTARY Public MARK J SC |
| My commission expires Nov. 2, 202 | Environn to technology |
| 1 000 | My Commission Expires |

| | | Operator's W | Vell No. W S May 261 | |
|------------------------------|------------------------------|-----------------------|----------------------|--|
| Proposed Revegetation Treat | tment: Acres Disturbed 1.0 a | acres Prevegetation p | Н | |
| | Tons/acre or to correct to | | | |
| Fertilizer type 10 | -20-20 | <u>+</u> | | |
| Fertilizer amount | 500 | _lbs/acre | | |
| _{Mulch} Straw | 2 _{To} | ons/acre | | |
| | <u>\$</u> | Seed Mixtures | | |
| Те | emporary | Perma | Permanent | |
| Seed Type | lbs/acre | Seed Type | lbs/acre | |
| Tall Fescue | 40 | Tall Fescue | 40 | |
| Ladino Clover | 5 | Ladino Clover | 5 | |
| Photocopied section of invol | | | | |
| | | be removed upon | | |
| - | | | | |
| | | | | |
| | | | | |
| | | | | |
| Title: 0:14 Gc s | e Lache | 5 // Pa//a Off | RECEIVED | |
| | Inspecior | Date: 1/8-16 Off | ice of Oil and Gas | |

WV Department of Environmental Protection 12/16/2016

WW-9- GPP Rev. 5/16

| | Page | of |
|-------------------|---------|------------------------------------|
| API Number 47 | | HG Energy, LLC |
| Operator's Well N | io. WSM | ay 261 |

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

| ROTECTION PLAN |
|---|
| |
| Quad: Griffithsville 7.5' |
| |
| fluids. Include a list of all operations that could contaminate the |
| |
| |
| vater quality from the list of potential contaminant sources above. |
| |
| |
| |
| |
| y, and distance from closest Well Head Protection Area to the |
| |
| |
| |
| |
| |
| lated for groundwater protection. |
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| NOV 2 2 2016 |
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WV Department of Environmental Protection

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

| /W-9- GPP | Page of |
|---|---|
| ev. 5/16 | API Number 47 |
| | Operator's Well No. WS May 261 |
| | |
| A | |
| | |
| | |
| | |
| Provide a statement that no waste materia | I will be used for deicing or fill material on the property. |
| NA | |
| | |
| | |
| | |
| | |
| Describe the groundwater protection insprovide direction on how to prevent grou | truction and training to be provided to the employees. Job procedures shall |
| provide direction on now to prevent grou | indwater containmation. |
| IA | |
| | |
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| Provide provisions and frequency for insp | pections of all GPP elements and equipment. |
| | |
| 1 7 | |
| | |
| | |
| | |
| | |
| gnature: Diane White | |
| | |
| ate: 11-01-2016 | |

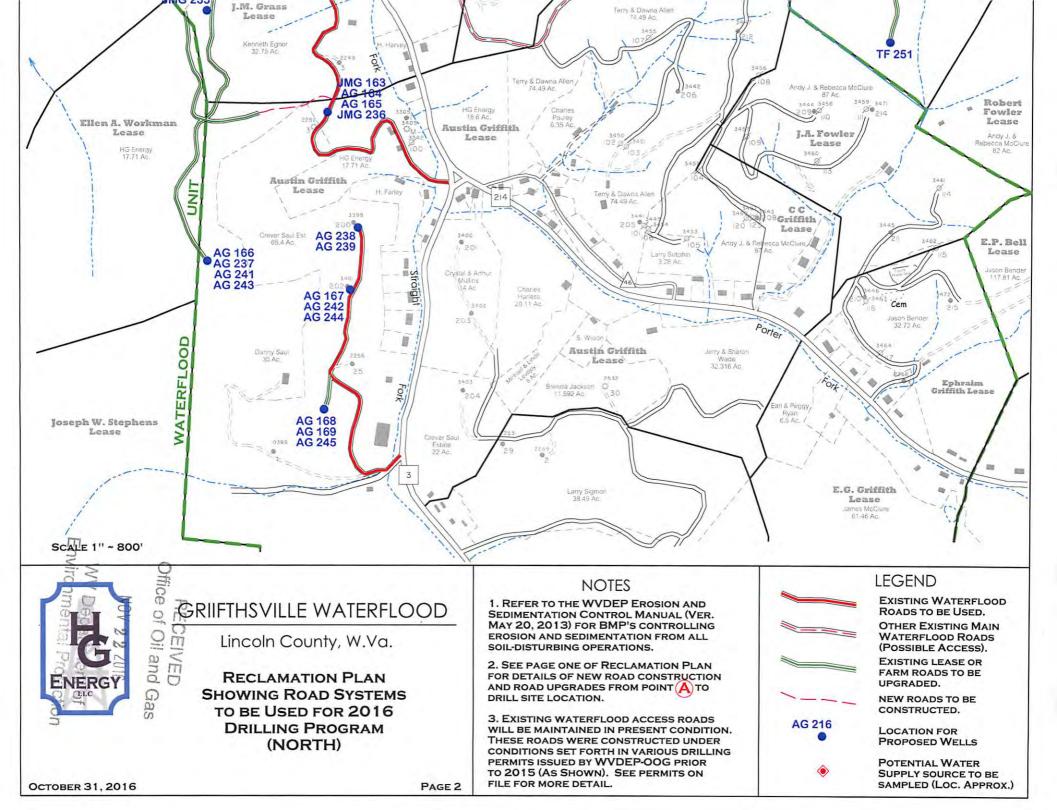
Reclamation Plan For: W.S. May No.261

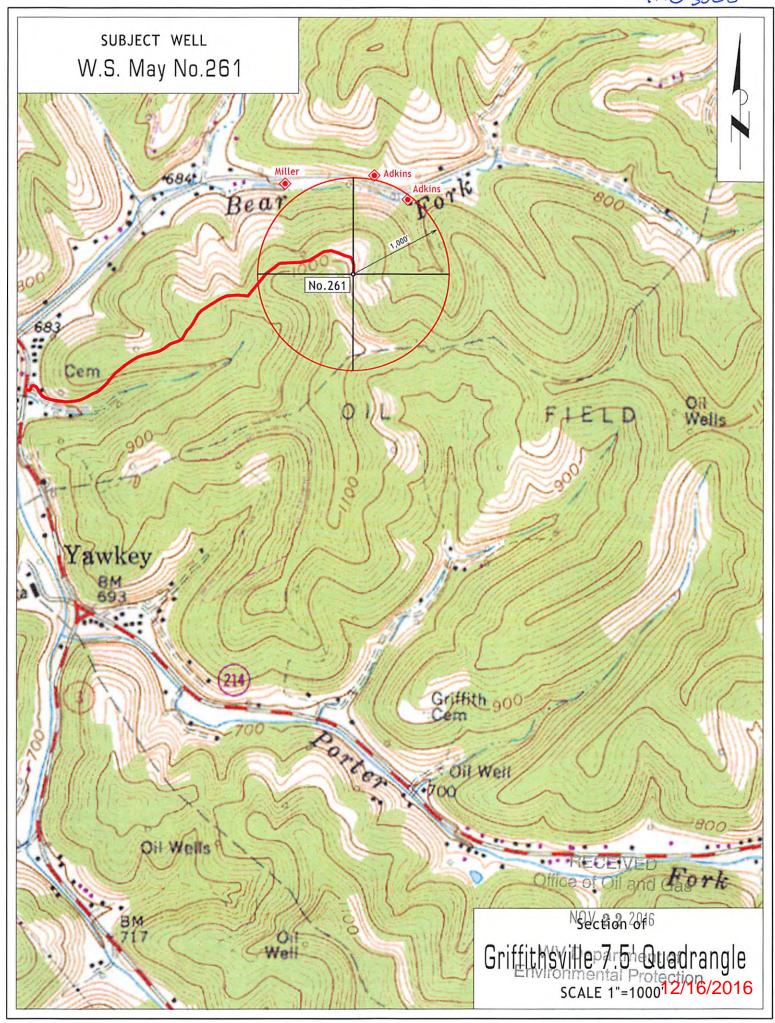
E.J. May W.S. May Lease Lease David Adkins HG Energy, LLC - Surface - Surface 700' of 0-5% Grade 250' of 5-8% Grade Location Size Drill Site for E.J. May No. 230 et al. -80'x175' (0.3 Ac.) 0.6 Mi. to WV SR 3. See Page 2 for Waterflood Road Detail Pit Pit Size -100'x15'x15' No.261 Alternate Pit M.A. Bays Lease **Existing Road** HG Energy, LLC to Thomas - Surface Fowler No. 250 (47-043-3500) Notes:

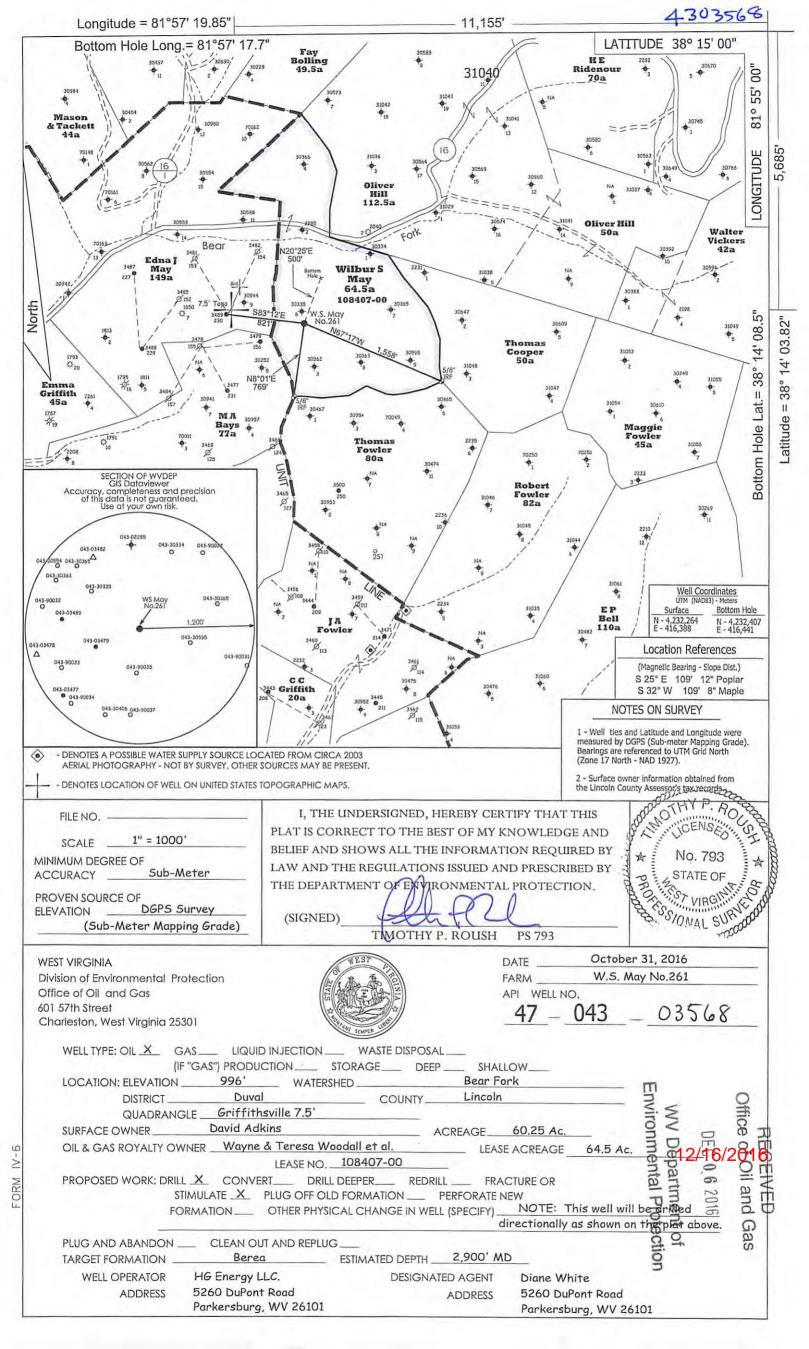
- REQUESTED PERMIT IS FOR DRILLING OF NEW WELL.
- ALL ACCESS ROADS ARE EXISTING AND WILL BE MAINTAINED TO WVDEP STANDARDS.
- STOCKPILE TOPSOIL FOR RE-DRESSING LOCATION DURING RECLAMATION
- ALL DISTURBED AREAS WILL BE RE-VEGETATED AS OUTLINED ON FORM WW-9.
- MAINTAIN SEDIMENT BARRIERS AND DRAINAGE STRUCTURES.
- ALL ROAD GRADES <5% EXCEPT AS NOTED.
- LOCATION OF DRILL PIT MAY BE CHANGED BASED ON AS-BUILT CONSIDERATIONS.
- STACK BRUSH BELOW DISTURBED AREAS FOR SEDIMENTATION CONTROL.
- . DRAWING NOT TO SCALE.

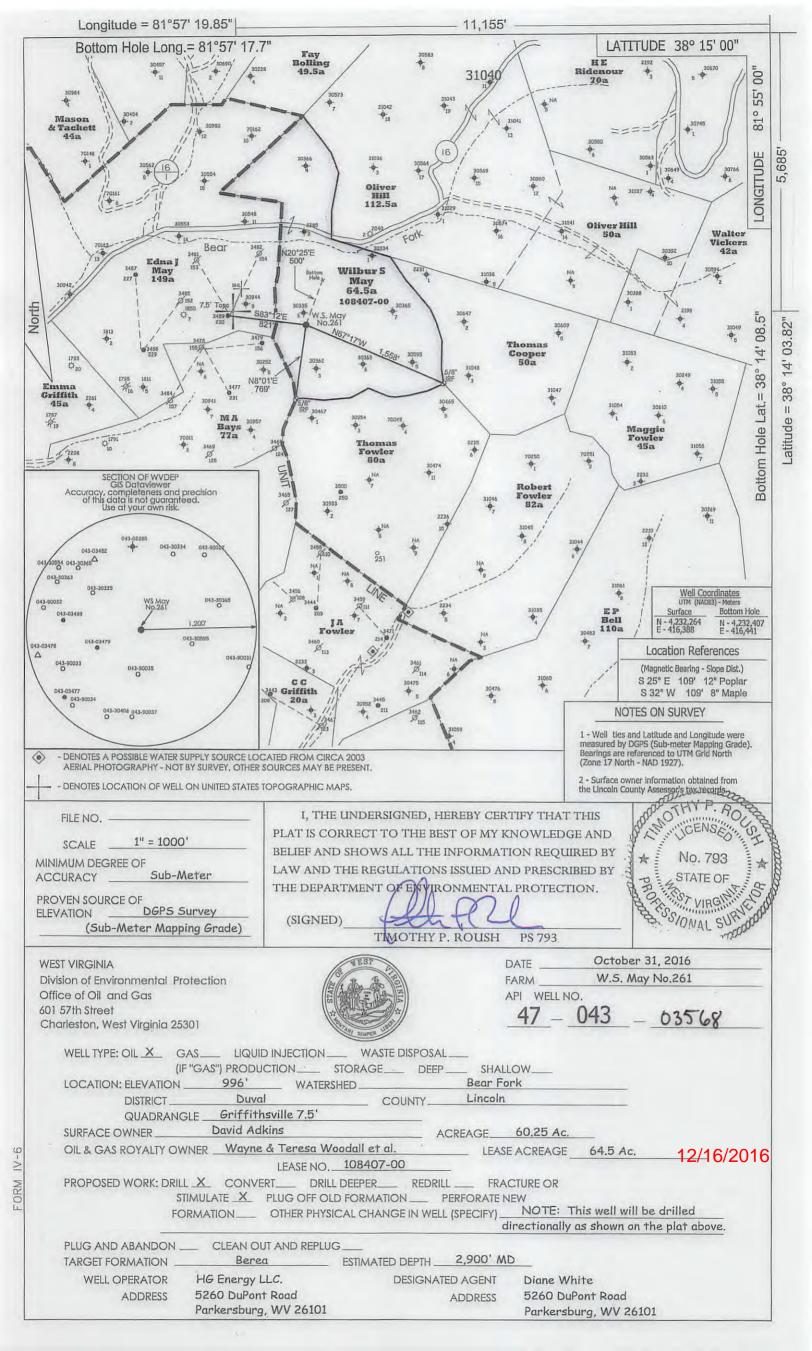
NOTE REFER TO THE WVDEP

EROSION AND SEDIMENT CONTROL FIELD MANUAL VER. MAY 2012 FOR BMPS CONTROLLING EROSION AND SEDIMENT FROM SOIL-DISTURBING OPERATIONS.











HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax

November 1, 2016

CK 3378

Mr. Jeff McLaughlin WVDEP Division of Oil & Gas 601 57th Street Charleston, West Virginia 25304

RE: W. S. May No. 261

Duval District, Lincoln C runty

" 'Virginia

Dear Mr. N. hlin:

Enclosed are the Forms WW-2A, WW-2A (1), WW-2B, WW-9, WW-2(B1), mylar of plat, reclamation plan, topo map and copy of the certified mailing receipt for a permit to drill the above-captioned shallow, producing well. Our check in the amount of \$550 is attached.

If you have any questions regarding this application, please call me at 304-420-1119.

Very truly yours,

Diane C. White

Enclosures

cc: David Adkins - Certified

Diane White

Dwight & Debra Lovejoy - Certified Randall & Patricia Coy - Certified Jeffery L. Smith - DEP Inspector Office of Oil and Gas

NOV 2 2 2016

WV Department of Environmental Protection

