

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

September 28, 2015

WELL WORK PLUGGING PERMIT Plugging

This permit, API Well Number: 47-9501527, issued to HG ENERGY, 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

Operator's Well No: J. LEMASTERS F-8

Farm Name: WALTERS, JERRY L.

API Well Number: 47-9501527
Permit Type: Plugging
Date Issued: 09/28/2015

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. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. This well is under a consent order and must be plugged under the terms of that agreement.

| | 95015271 |
|-----------------|-------------------|
| 1) Date July 16 | , 2015 |
| 2) Operator's | |
| Well No. Jasp | per Lemasters F-8 |
| 3) API Well No | . 47-005 -01527 |

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

| | APPLICATION FOR A P | ERMIT TO PLUG AND ABANDON |
|------|--|---|
| 4) | Well Type: Oil X / Gas X / Light | uid injection/ Waste disposal/ |
| | | Underground storage) Deep/ Shallow X |
| 5) | Location: Elevation 1192' | Watershed Left Hand Fork |
| 57 | District McElroy | County Tyler Quadrangle Centerpoint 7.5' |
| 6) | Well Operator HG Energy, LLC | 7) Designated Agent Diane White |
| 0, | Address 5260 Dupont Road | Address 5260 Dupont Road |
| | Parkersburg, WV 26101 | Parkersburg, WV 26101 |
| 01 | Oil and Con Thomseton to be notified | O) Plugging Contractor |
| 8) | Oil and Gas Inspector to be notified Name Mike Goff | Name To Be Determined Upon Approval of Permit |
| | Name Name PO Box 134 | Address |
| | Pullman, WV 26421 | Address |
| | Tamilan, VVV 20121 | |
| | **See attache | d sheet** |
| | | RECEIVED Office of Oil and Gas |
| | | ALIC + PLOOF |
| | | AUG 1 7 2015 |
| | | WV Department of Environmental Protection |
| | fication must be given to the district can commence. | oil and gas inspector 24 hours before permitted |
| Work | order approved by inspector Mich | Date 7-30-15 10/02/2015 |

Rev. 2/01

1) Date: July 16, 2015
2) Operator's Well Number
 Jasper Lemasters F-8
3) API Well No: 47 - 095 - 1527
 State County Permit

| | DEPART | MENT OF EN | WEST VIRO VIRONMENT OIL AND GAS | AL PROTECT | ION | | |
|---|-----------------------------|-----------------------|---------------------------------------|--------------------------|------------------------|---------------------------------|--------------|
| | APPLICATIO | ON FOR A PERI | MIT TO PLU | G AND ABANI | DON | | |
| 4) WELL TYPE: | | Gas Production | X Liquid In | njection ound Storage | Waste Dispo | Shallow | x |
| 5) LOCATION: | Elevation: | 1192' McElroy | Watershi County: | Ed: Left Hand | | adrangle Cente | erpoint 7.5' |
| 6) WELL OPERA Addres | s 5260 Dupo | ont Road | 4.94E+0 | 8 7) DESIGN | ATED AGENTAddress | Diane White 5260 Dupont R | |
| E) OH S CAS IN | an Standard Commence | rg. WV 26101 | | - 0) BLUGGE | NG CONTRACTO | Parkersburg, W | V 26101 |
| 8) OIL & GAS IN Name | Mike Goff | SNOTIFIED | | Name | | ined Upon Approva | l of Permit |
| Address | PO Box 134 Pullman, WV 2 | 6421 | | Address | | | |
| 10) WORK ORDER | R: The work orde | er for the manner | of plugging this | well is as follow | s: | | |
| . fa | | | 1666 | | | | |
| TD- 3,200' | | | | | | | |
| Manners of pluggi | ng; | | | | | | |
| Plug #1 3050' - 29 Located above hig | | , | | | | | |
| Free Point, part ar | nd pull 4 1/2" ca | | | | | | |
| Plug #2 - approx. 2 Located at 4 1/2" | | | | | | | |
| Plug #3 - 1250' - 1 | 000' | | | | | | |
| Located at Elevation Plug #4 -550' - 450 | | Pittsburgh Coal | | | | | |
| Located at 8 5/8": | | h water | | | | | |
| Plug #5 - 100' -0' Surface | | | | | | | |
| Duriace | | | | | | | |
| Recover all possible ca | sing. If easing can r | not be recovered, pe | rforate for plug p | acement. | | | |
| Monument: | | • | | | | | |
| 6" minimum diameter r | netal pipe | | | | | | |
| 30" above surface | | | | | | | |
| 10' in well below surface Sealed with cement | ce | | | | | | |
| API identification (1 | /2") height numbe | ring | | | | | |
| 6% Gel between all plu | gs | | | | | | |
| | | | | | | | |
| | 12.0 | | OFFICE US | EONLY | | | |
| | | | PLUGGING | PERMIT | | | |
| Pennit Number | | | | | | | 19 |
| | 23 0 0 | N. 1860 Sept. 1860 | | | Date | 2) V21 | 10.53 |
| This permit covering the the pertinent legal requi | | | | | | | |
| District Oil and Gas Ins | | | | | | N. C. Carlotte, and the same of | |
| The per | nitted work is as des | scribed in the Notice | and Application | plat, subject to any | modifications | | |
| | ditions on the reverse | | •• | | | | |
| Permit expires | | | unless plugging is | commenced prior | to that date and prose | ecuted with due dilip | gence. |
| Bond: Agent: | Plat: | Casing: | WPCF | Other | | | |
| | | | | | | | |
| | | | | | | | |
| NOTE: Vaca | of this name 's | ed at the whole the t | aatian | - | Chief, C | Office of Oil & G | as |
| NOTE: Keep one copy | or this permit poste | u at the plugging lo | cation. | | | | 52 |
| | | | | | | | |

MNG 7-30-15

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WV Department of Environmental Protection

Well: J. Lemasters F8 Monument to extend 30" above surface. 10' into well. 6" min metal pipe, sealed with cement. API i.D. Elevation: 1192' 5 Casing Information 4 145 sacks cement to surface Size Depth Weight 85/8" 459' 20#/ft. Freepoint Cut and Pull Casing 4 1/2" 3161' 10.5#/ft. Size Approx. Depth 4 1/2 2000' Hole Size 11" -> Cement Plugs NO. Bottom Top 1 3050 2950 2 1950 2050 3 1250 1000 Pittsburgh Coal 1073' 4 550 450 4 5 100 0 4 77/8" Hole Size 3 **Bottom Hole Cement Level Calculations** # Sacks Used Cement Depth 300 2128.017 Hole Size **Casing Size** Depth 2 7.875 4.5 3165 300 Sks Cement T.O.C. 2128' 4 diameter delta Conv. Factor bbls / ft. 41.765625 1029.4 0.040573 cubic ft. per vertical ft. depth 0.227795902 Sacks per vertical ft. depth 0.289300796 Highest Perforation 3078' RECEIVED Yield options Office of Oil and Gas 50/50 posmix 6% gel = 1.64 1 Neat w/ salt flakes = 1.19 AUG 1 7 2015 50/50 w/ 2% gel = 1.27 TD 3200' WV Department of **Environmental Protection**

30-API # 47- 95-01527

State of West Virginia Div_ion of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

| Farm name: | WALTERS, J | D. | U | heraror | Well No.: | J. LEMAST | ERS F8 |
|---|---|--|--|---|---|---|---|
| LOCATION: | Elevation: | 1192' | | | Centerpoint | | |
| | District: Latitude: Longitude | 14.500 Fee | t South t West | of 39 | ounty: TYLE Deg. 30 Min Deg. 40 Min | . 00 sac | |
| Company: PEN | NZOIL PRODU | CTS COMPAN | | | | | • |
| VIE | O. BOX 5519 NNA, WV 26: ES A. CREWS | 105-5519 | | & | Used in Drilling | Ì | Cement Fill Up |
| | | | - | Size | | | |
| Permit Issua | Ommenced. | 05/03/93 6/18/93 | _ | | | | |
| Verbal Plug Permission Rotary x | ging granted on: Cable | 9/27/93 | _ | 8 5/8 | 459.00 | 459.00 | 145 Sks. |
| Fresh water | (feet) depths (ft) | 3205 N/A | _ | 4 1/2 | 3161.00 | 3161.00 | 300 Sks. |
| | lepths (ft) | | _ | - | | 1 | |
| s coal bein | ig mined in | area (Y/N) | 7 N | <u>-</u> | | | |
| our neptus | (20): | | | i | i | ì | . ! |
| OPEN FLOW DA | ATA | | - | <u>i</u> | <u> </u> | ~ * * * * * * * * * * * * * * * * * * * | |
| PPEN FLOW DA Produci Gas: In Fi Static * Waterfl Second Gas: In Fi Static | ing formation itial open nal open fl me of open rock Pressur producing for itial open nal open flo me of open rock Pressur | flow * flow between the commation of the | Gordon MCF/d MCF/d en init psig (MCF/d MCF/d en init: | Oil: In: Fin ial and surface Oil: Ini Fin ial and surface | Pay zone de tial open for al open flo final tests pressure) a | epth (ft) | Bbl/d Bbl/d Hours Hours Bbl/d Bbl/d Hours Hours |
| Produci Gas: In Fi Static * Waterfl Second Gas: In | ing formation itial open flame of open rock Pressureducing for itial open flame of open frock Pressureducing for itial open flame of open flame | flow * ow * flow between the commation flow ow flow between the commation flow between the commation flow flow flow flow flow flow flow flow | Gordon MCF/d MCF/d en init psig (MCF/d MCF/d init: psig (MCF/d FING, F | Oil: In: Fin ial and surface Oil: Ini Fin ial and surface LLOWING: PHYSICAL | pressure) a pay zone de itial open flo itial open flo final tests pressure) a | epth (ft) | Bbl/d Bbl/d Hours Hours Bbl/d Bbl/d Hours Hours |

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WV Department of Environmental Protection

DRILLING PROGNOSIS

JASPER LEMASTERS F-8

MCELROY DISTRICT - TYLER COUNTY, WV

LOCATION:

Stringtown

PERMIT NO.:

47-095-1527

ELEVATION:

1192' G.L. or 1202' K.B.

DRILLING AND

CASING PROGRAM:

Drill at least a 11" hole to approx. 445'; set 8 5/8" O.D. 20#/ft. casing on a casing shoe. Cement back to surface with 50 sks. Reg. Neat w/3% cc, 2% Gel, 1/4# Flocele/Sk. followed by 95 sks. Reg. Neat Cmt. with 3% cc & 1/4# Flocele/Sk. W.O.C. 8 hours.

Drill a 7 7/8" hole to approx. 3200'. Set 4 1/2" 0.D., 10.5#/ft., M-50 casing on casing shoe. Cement w/5 bbls. mud flush and 300 sks. 50/50 Pozmix, 2% cc and 1/8# Flocele/sk.

When latch-down plug is seated, pressure casing to 2000 psi and record this on chart. Maintain this pressure for 20 min. to complete casing integrity test. Release

DRILLING FLUID: Drill with fresh water through surface casing. From surface casing to T.D., 2 1/2-3% KCL system will be used. Prior to drilling Gordon, water loss to be reduced to 20 cc or less.

DRILLING TIME AND SAMPLES:

1 ft. drilling time from surface to T.D. 10 ft. samples from 2225' to T.D.

LOGGING:

To be determined at time of drilling.

PIPE TALLY:

Drill string will be strapped out on last trip at or before coring point or T.D. is reached. If a correction of more than five feet (5') is necessary, then drill

string is to be strapped going back in hole.

FORMATION TOPS: Pittsburgh Coal

1073' K.B. 2273' K.B. 2353' K.B. Big Lime Big Injun 2488' K.B. Pocono Shale 3048' K.B. Gordon Stray 3073' K.B. 3200' K.B. Gordon T.D.

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CALL SR. ENGINEERING TECHNICIAN AT 2900'

WV Department of **Environmental Protection**

A morning report will be called into the Parkersburg SUPERVISION: Office by 8:00 AM each morning.

| Rick Green | Area Supt. | 782-2216 | 548-7974 |
|-----------------|--------------------|----------|---------------|
| Dale Workman | Foreman | 889-3334 | 889-2278 |
| Phil Ondrusek | Operating Supt. | 422-6565 | 464-5373 |
| Paul King, Jr. | Petr. Eng. Advisor | 422-6565 | 485-4654 |
| Jack Sutherland | Drilling Supt. | 422-6565 | (614)989-5138 |
| Roger Heldman | Sr. Petr. Eng. | 422-6565 | (614)678-8210 |
| Curt Lucas | Sr. Eng. Tech. | 422-6565 | 428-8163 |
| Bill Greenlees | Sr. Petr. Eng. | 422-6565 | (614)749-3542 |

TREATMENTS:

PERFORATED: 3078 - 3086 3098 - 3100 3109 - 3111 2 Holes Per Foot - 24 Holes

TREATED:

300 Gal. 15% HCL, 259 Bbl. Gelled Water & 1500#80/100 Sand & 3500# 20/40 Sand

WELL LOG:

Sand & Shale 0 - 834Linestone 834 - 897 Shale 897 - 1012 Sand 1012 - 1038 Shale 1038 - 1072 Sand 1072 - 1100 Sand & Shale Sand 1100 - 1624 . 1624 – 1669 Sand & Shale 1669 - 1816 Sand . 1816 - 1870 Shale -1870 - 1970 Sand 1970 - 2035 Shale 2035 - 2210 Little Lime 2210 - 2225 Pencil Cave 2225 - 2239 Big Lime 2239 - 2349 Big Injun 2349 - 2496 Shale 2496 - 3050 Stray 3050 - 3068 3068 - 3086 Gordon T.D. 3205 .

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AUG 1 7 2015

WV Department of Environmental Protection WW-4A Revised 6-07

| 1) Date: | July 16, 2015 | |
|--|----------------|--|
| Control of the contro | 's Well Number | |
| Jasper Lemaste | | |

3) API Well No.: 47 -

095

01527

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

| Surface O (a) Name | wner(s) to be served: Jerry Walters | (5) (2 | a) Coal Operat Name | or NA | |
|--|---|---|---|---|---|
| Address | 17 Stackpole Run Road | | Address | | |
| | Jacksonburg, WV 26377 | | - | | |
| (b) Name | | | (b) Coal (| Owner(s) with De | claration |
| Address | | | Name | NA | |
| | | | Address | - | |
| (c) Name | | | Name | | |
| Address | | | Address | - | |
| 6) Inspector | Mike Goff | | (c) Coal I | essee with Decla | uration |
| Address | P. O. Box 134 | | Name | | |
| 11441000 | Pullman, WV 26421 | | Address | | |
| Telephone | | | | No. | |
| | | | | | |
| The rea | | s is that you have righ | | | nmarized in the instructions on the reverses side. |
| The rea However Take no accomp Protecti the Apr | son you received these document er, you are not required to take any stice that under Chapter 22-6 of the anying documents for a permit to | s is that you have right action at all. the West Virginia Code plug and abandon a vilocation described or mailed by registered | the the undersigned well with the Chief on the attached Applier or certified mail or | plication which are sum rell operator proposes to f the Office of Oil and O cation and depicted on t | nmarized in the instructions on the reverses side. If file or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, he person(s) named above (or by publication in |
| The rea However Take no accomp Protecti the Apr | son you received these document er, you are not required to take any otice that under Chapter 22-6 of the anying documents for a permit to on, with respect to the well at the olication, and the plat have been | s is that you have right action at all. he West Virginia Code plug and abandon a value location described or mailed by registered by of mailing or delive | e, the undersigned well with the Chief on the attached Applior certified mail or ry to the Chief. | plication which are sum rell operator proposes to f the Office of Oil and C cation and depicted on t delivered by hand to the | file or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, |
| The rea However Take no accomp Protecti the Apr | son you received these document er, you are not required to take any stice that under Chapter 22-6 of the anying documents for a permit to on, with respect to the well at the plication, and the plat have been circumstances) on or before the data | s is that you have right action at all. the West Virginia Code plug and abandon a vilocation described or mailed by registered | e, the undersigned well with the Chief on the attached Applior certified mail or ry to the Chief. | plication which are sum rell operator proposes to f the Office of Oil and O cation and depicted on t | file or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in RECEIVED |
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| The rea However Take no accomp Protecti the Apr | son you received these document or, you are not required to take any otice that under Chapter 22-6 of the anying documents for a permit to on, with respect to the well at the olication, and the plat have been circumstances) on or before the description. | s is that you have right action at all. The West Virginia Code plug and abandon a valocation described or mailed by registered ay of mailing or delive well Operator Well Operator Y: Its: | e, the undersigned well with the Chief on the attached Applior certified mail or ry to the Chief. HG Energy, LLC Diane White | plication which are sum rell operator proposes to f the Office of Oil and C cation and depicted on t delivered by hand to the | File or has filed this Notice and Application and Gas, West Virginia Department of Environmental the attached Form WW-6. Copies of this Notice, the person(s) named above (or by publication in RECEIVED Office of Oil and Gas |
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| The real However Take no accomp Protecti the App certain of | or, you received these document or, you are not required to take any otice that under Chapter 22-6 of the anying documents for a permit to on, with respect to the well at the olication, and the plat have been circumstances) on or before the day. OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA S. DIANNE DULANEY 5260 Dupont Road Parkersburg, West Virginia 26101 | s is that you have right action at all. The West Virginia Code plug and abandon a velocation described or mailed by registered ay of mailing or delive well Operator Py: Its: Address Telephone | the undersigned well with the Chief on the attached Applie or certified mail or ry to the Chief. HG Energy, LLC Diane White Agent 5260 Dupont Rose | plication which are summell operator proposes to f the Office of Oil and Contion and depicted on the delivered by hand to the Diane White | RECEIVED Office of Oil and Gas |
| The real However Take no accomp Protecti the App certain of | or, you received these document or, you are not required to take any otice that under Chapter 22-6 of the anying documents for a permit to on, with respect to the well at the olication, and the plat have been circumstances) on or before the day. OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA S. DIANNE DULANEY 5260 Dupont Road | s is that you have right action at all. The West Virginia Code plug and abandon a velocation described or mailed by registered ay of mailing or delive well Operator Py: Its: Address Telephone | e, the undersigned well with the Chief of the attached Applior certified mail or ry to the Chief. HG Energy, LLC Diane White Agent 5260 Dupont Roz Parkersburg, WV | plication which are summell operator proposes to f the Office of Oil and Contion and depicted on the delivered by hand to the Diane White | RECEIVED Office of Oil and Gas AUG 1 7 2015 |
| The real However Take no accomp Protecti the App certain of the App ce | official SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA S. DIANNE DULANEY 5260 Dupont Road Parkersburg, West Virginia 26101 by Commission Expires Oct. 4, 2010 and sworn before me this | s is that you have right action at all. the West Virginia Code plug and abandon a velocation described or mailed by registered ay of mailing or deliver. Well Operator Dy: Lis: Address Telephone | e, the undersigned well with the Chief of the attached Applior certified mail or ry to the Chief. HG Energy, LLC Diane White Agent 5260 Dupont Roz Parkersburg, WV | plication which are summell operator proposes to f the Office of Oil and Ocation and depicted on the delivered by hand to the Diane White | RECEIVED Office of Oil and Gas |
| The real However Take not accomp Protectif the App certain of the App | official SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA S. DIANNE DULANEY 5260 Dupont Road Parkersburg, West Virginia 26101 by Commission Expires Oct. 4, 2010 and sworn before me this | s is that you have right action at all. the West Virginia Code plug and abandon a velocation described or mailed by registered ay of mailing or deliver. Well Operator Dy: Lis: Address Telephone | e, the undersigned well with the Chief of the attached Applic or certified mail or ry to the Chief. HG Energy, LLC Diane White Agent 5260 Dupont Roz Parkersburg, WW 304-420-1119 | plication which are summell operator proposes to f the Office of Oil and Ocation and depicted on the delivered by hand to the Diane White | RECEIVED Office of Oil and Gas AUG 1 7 2015 WV Department of Environmental Protection |

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 depprivacyoffier@wv.gov. 10/02/2015

WW-9 Rev. 5/08

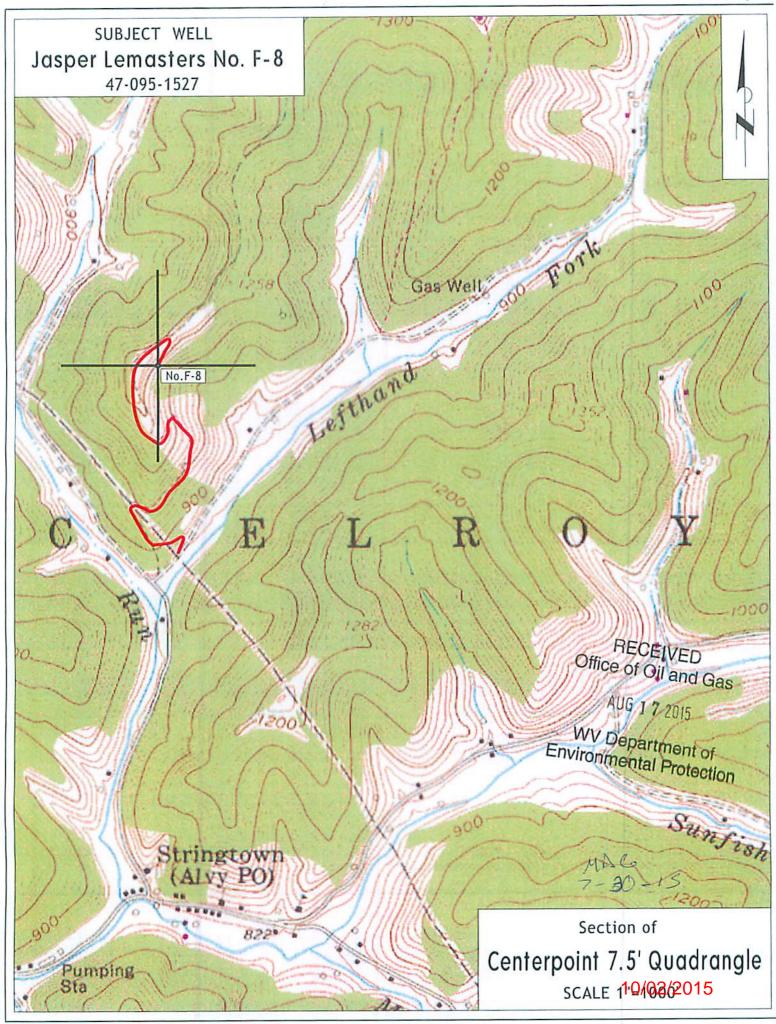
| Page | of |
|---------------------------|------------------|
| API Number 47 - 095 | _ 01527 |
| Operator's Well No. Jaspe | er Lemasters F-8 |

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

| Operator Name_ HG Energy, | LLC | OP Code 4944 | |
|--|---|---|--|
| | Quad | rangle Centerpoint 7.5" | 1 |
| Elevation 1192' | | | |
| Description of anticipated Pit Waste: | | | ct well |
| Will a synthetic liner be used in the p | | | MDG-15 |
| Reuse (at Off Site D | lication und Injection (UIC Permit Number API Number ispposal (Supply form WW-9 for o | | |
| Proposed Work For Which Pit Will I Drilling Workover Other (Ex | X | Swabbing Plugging | ; |
| on August 1, 2005, by the Office of oprovisions of the permit are enforce law or regulation can lead to enforce I certify under penalty of application form and all attachmen obtaining the information, I believe penalties for submitting false inform | able by law. Violations of any terment action. Iaw that I have personally examinate thereto and that, based on my that the information is true, accuration, including the possibility of firm white Diane White | epartment of Environmental m or condition of the general med and am familiar with the inquiry of those individual urate, and complete. I am ne or imprisonment. | Protection. I understand that the all permit and/or other applicable information submitted on this last immediately responsible for aware that there are significant RECEIVED Office of Oil and Gas AUG 1 7 2015 WV Department of invironmental Protection |
| Subscribed and sworn before me this | _{s_} 16th _{day of_} July | | 5 |
| My commission expires | t 4,2010 | Notory Pu | OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA S. DIANNE DULANEY 5260 Dupont Road Parkersburg West Virginia 26401 |

| | | LEGEND | |
|--|----------------------------|-----------------------------|---|
| Property Boundary | | Diversion Little 11 | 171111111111111111111111111111111111111 |
| Road = = = = = = | ==== | Spring - | |
| Existing Fence — X — | | Wet Spot | |
| Planned Fence / | /_/_ | Drain Pipe with size in inc | hes |
| Stream | 77 | Waterway C+ C | $\rightarrow \longleftrightarrow \longleftrightarrow \longleftrightarrow$ |
| | | | |
| Rock 63888 | | Artificial Filter Strip | XXXXXXXXXXXXXXX |
| North N | | Pit: cut walls | 3 |
| Buildings | | Pit: compacted fill walls | 7 |
| Water wells | | Area for Land Application | of Pit Waste |
| Drill site | | (| |
| Proposed Revegetation Treatmer | ut: Agree Disturbed 0.6 | S acres Prevegetation | on pH |
| 7 | t. Acres Disturbed | 6.5 | лгрії |
| Lime | Tons/acre or to correct t | о рН | |
| Fertilizer (10-20-20 or e | equivalent) 500 | _lbs/acre (500 lbs minimum) | |
| Mulch_ Straw | 2 | | |
| Mulch | 1 | ons/acre | |
| | | Seed Mixtures | |
| Area I | | | Area II |
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| Tall Fescue | 40 | Tall Fescue | 40 |
| Ladino Clover | 5 | Ladino Clover | 5 |
| | | | |
| Attach: | | | RECEIVED |
| Drawing(s) of road, location,pit a | and proposed area for land | d application. | Office of Oil and Gas |
| Dhatasaaiad aastisaa afiisaalaad | 7 El tou conquisir about | | AUG 17 co |
| Photocopied section of involved | 7.5' topographic sheet. | | AUG 1 7 2015 |
| ractions. | | | WV Department of |
| Plan Approved by Mich | and Ash | | Environmental Protection |
| Plan Approved by: Nich Comments: Preseed | M I I | | rotection |
| Comments: reseed | 4 /lulch | disturbed area | <u>.S.</u> |
| 01126 | Toconte | | - 15 |
| Title: O, La Coas | + 112 DECIOL | Date: 7 - 30 | |
| Field Reviewed? (|) Yes (| V No | |



West Virginia Department of Environmental Protection Office of Oil & Gas

WELL LOCATION FORM: GPS

| API: 47- | 095 - 1527 | WELL NO: | F-8 |
|--|--|--------------------------------------|--|
| FARM NAME: | Jasper Lemasters No.F-8 | | |
| RESPONSIBLE PARTY NA | AME: H.G. Energy, LLC | | |
| COUNTY: | Tyler | DISTRICT: Me | Elroy |
| QUADRANGLE: | Centerpoint 7.5' | | |
| SURFACE OWNER: | Jerry Walters | | |
| ROYALTY OWNER: | American Energy Partners, LI | LC et al. | |
| UTM GPS NORTHING: | 4,367,920 (NAD 83) | - | |
| UTM GPS EASTING: | 525,995 (NAD 83) | GPS ELEVATION: | 363 m.(1192') |
| preparing a new well locati | ned above has chosen to submit GPS co on plat for a plugging permit on the abo GPS coordinates that do not meet the fo | ove well. The Office of | |
| Datum: NA height above Accuracy to Data Collect Survey Grade Gl | D 1983, Zone:17 North, Coordinate Use mean sea level (MSL) - meters. Datum - 3.05 meters tion Method: PS Post Processed Differential Real-Time Differential GPS Post Processed Differential Real-Time Differential | Jnits: meters, Altitude: Office WV | RECEIVED ce of Oil and Gas AUG 1 7 2015 Department of nmental Protection |
| the contract of the contract o | ertify this data is correct to the best of a formation required by law and the regul Oil and Gas. | . 150 A | |
| Diane White | Diane C. White | Designated Agent | |
| Signature | | Title | |
| Date June 3, | 2015 | | |