

### 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

March 31, 2015

#### WELL WORK PERMIT

### Vertical Well

This permit, API Well Number: 47-8704770, 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.

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: P.A. BAYS 209/

Farm Name: NIDAY, ORLANDO B.

API Well Number: 47-8704770 Permit Type: Vertical Well

Date Issued: 03/31/2015

### **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. Failure to adhere to the specified permit conditions may result in enforcement action.

### 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 on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

WW - 2B (Rev. 8/10)

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

Well Operate	or: HG E	nergy, Ll	LC	494497948	Roane	Smithfield	Looneyville 7.5
				Operator ID	County	District	Quadrangle
Operator's V	Vell Numb	oer: P. A.	. Bays 209		3) Elevation:	1162'	
) Well Type: (a	a) Oil_X	or Ga	is				
(1	) If Gas:	Produ	ction/ Und	derground Sto	rage	_	
			/ S		_		
Proposed To	otal Depth fresh wa	n: <u>2730' TN</u> iter strata	depths: 450'	Formation at F	Proposed Tar Proposed Tota	get Depth: <u>*</u> al Depth: _Big	о 2200°, тмо 2730° g Injun
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8704770

04/03/2015

WW-2A (Rev. 6-14)

1). Date:

February 6, 2015

47-

2.) Operator's Well Number

P. A. Bays 209

State County

Permit Roane

3.) API Well No.:

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

4) Surface Owner(s) to be served: (a) Name Orland B. Niday

5) (a) Coal Operator Name

U.S. Postal Service 114 CERTIFIED MAIL RECEIPT 5475 (Domestic Mail Only; No Insurance Coverage Provided) 4074 Postage 0000 0150 Certified Fee Postmark Return Receipt Fee (Endorsement Required) Here 2.70 Restricted Delivery Fee (Endorsement Required) 7.61 Total Postage & Fees PAB 209 7014 Niday Street, Apt. No.; Parkers burg Road City, State, ZIP+4 Spencer, WV 25276 See Reverse for Instructions PS Form 3800, August 200

Desails of 56-250/442 2934 (E) 650.00 DOLLARS 6 2-10-2015 03-11 Six Hundred Fifty Dollars and 00/100 HG ENERGY, LLC 304-422-6565 5260 DUPONT RD PARKERSBURG, WV 26101 800,374,6123 peoplesbancorp.com Permit P A Bays # 209 Working Together, Building Success. Peoples (2) WV D.E.P. PAY TO THE ORDER OF \_\_ FOR

> RECEIVED Office of Oil and Gas

FEB 2 0 2015

WV Department of Environmental ph/03/2015

WW.	-2A	1	
(Rev.	1/1	1	)

Operator's Well Number PA Bays 209

# 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:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

- See attached-

### 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 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 ac quired from the appropriate aut hority before the affected activity is initiated.

Office of Oil and Gas

Well Operator:

By:Its:

HG Energy, LLC

FEB 2 0 2015

Diane White, Agent

WV Department of Environmental Protection

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

Operator's Well No.	P. A. Bays No. 209
Operators well inc.	F. A. Days 190, 209

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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
P. A. and Louise Bays	South Penn Oil Company	1/8	15/542

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 perations for the subject well in the location shown on the plat, including the use of access roads, pipelines and utilities.

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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

RECEIVED
Office of Oil and Gas

Well Operator: HG Energy, LLC

By: Diane C. White Diane C. White Diane C. White Environments Of the Control of Control of

WW-2B1 (5-12) Well No. P. A. Bays No. 209

### 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 Laboratory Name

Sturm Environmental

Sampling Contractor

Sturm Environmental

Well Operator

HG Energy, LLC

Address

5260 Dupont Road

Parkersburg, WV 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.

Surface Owners with Water Sources Identified for Sampling / Analyzing

SEE TOPO MAP \* Richard Fisher 4513 Clay Road Spencer WV 25274

\* Casie Roberts 4454 Clay Road Spencer WIV 25274 Office of Oil and Gas

4580 Clay Road FEB 2 0 2015

Spencer WV W5/20/epartment of
Environmental Protection

04/03/2015

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Operator's Well	No. P. A. Bays	209	

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

### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air, Fresh Water  -If oil based, what type? Synthetic, petroleum, etc. NA  Additives to be used in drilling medium? Water, soap, KCI  Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in pit  -If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Native soil, cement, lime  -Landfill or offsite name/permit number?  I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other ap 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 application form and all attachments thereto and that, based on my inquiry of those individuals immediately respons obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are signenalities for submitting false information, including the possibility of fine or imprisonment  OFFICIAL SEAL. NOTARY PUBLIC STATE OF WEST PUBLIC STA	Operator Name_HG Energy, LLC	OP Code 494497948
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	Watershed (HUC 10) Laurel Fork Quadr	rangle Looneyville 7.5'
Will a pit be used for drill cuttings? Yes X No If so, please describe anticipated pit waste: Fluids encountered while drilling subject well  Will a synthetic liner be used in the pit? Yes X No If so, what ml.? 20 mil  Proposed Disposal Method For Treated Pit Wastes:    Land Application   Underground Injection (UIC Permit Number 25-561	Elevation 1162' County Roane	District Smithfield
If so, please describe anticipated pit waste: Fluids encountered while drilling subject well  Will a synthetic liner be used in the pit? Yes X No If so, what ml.? 20 mil  Proposed Disposal Method For Treated Pit Wastes:  Land Application  Underground Injection (UIC Permit Number 25-561  Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal location)  Other (Explain)  Will closed loop system be used? No  Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air, Fresh Water  If oil based, what type? Synthetic, petrolcum, etc. NA  Additives to be used in drilling medium? Water, soap, KCI  Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in pit  If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Native soil, cement, lime  Landfill or offsite name/permit number?  I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other ap 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 application form and all attachments thereto and that, based on my inquiry of those individuals immediately response obtaining the information. I believe that the information is true, accurate, and complete. I am aware that there are signealities for submitting false information, including the possibility of fine or imprisonment.  OFFICIAL SEAL Company Official Signature  Diane White  Company Official Typed Name) Diane White  Company Official Typed Name) Diane White  Subscribed and sworn before me this State of the Capable State of the State of State Office of State Offic	Do you anticipate using more than 5,000 bbls of water to complete the proj	posed well work? Yes No X
Will a synthetic liner be used in the pit? Yes X No If so, what ml.? 20 mil  Proposed Disposal Method For Treated Pit Wastes:  Land Application Off Site Disposal (UIC Permit Number 25-551 Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain  Will closed loop system be used? No  Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air, Fresh Water -If oil based, what type? Synthetic, petroleum, etc. NA  Additives to be used in drilling medium? Water, soap, KCI  Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in pit -If eft in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Native soil, cement, lime -Landfill or offsite name/permit number?  I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other ap 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 application form and all attachments thereto and that, based on my inquiry of those individuals immediately respons to betaining the information. I believe that the information is true, accurate, and complete. I am aware that there are so is general permit and/or other application form and all attachments thereto and that, based on my inquiry of those individuals immediately respons to the permit and there are seen sign penaltics for submitting false information, including the possibility of fine or imprisonment.  OFFICIAL SEAL NOTARY PUBLIC STATES OF THE POLICE OF OIL ASSEL NOTARY PUBLIC STATES OF THE POLICE OF OIL ASSEL NOTARY PUBLIC STATES OF THE POLICE OF OIL ASSEL NOTARY PUBLIC STATES OF THE POLICE OF OIL ASSEL NOTARY PUBLIC STATES OF THE POLICE	Will a pit be used for drill cuttings? Yes X No	
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Land Application Underground Injection (UIC Permit Number 25-561 Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain Other (Expl	Will a synthetic liner be used in the pit? Yes X No	If so, what ml.? 20 mil
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My commission expires (Of. 4 20/6()		
	Subscribed and sworn before me this 6th day of February	20_15WV Department NotarFAMIronmental Prote

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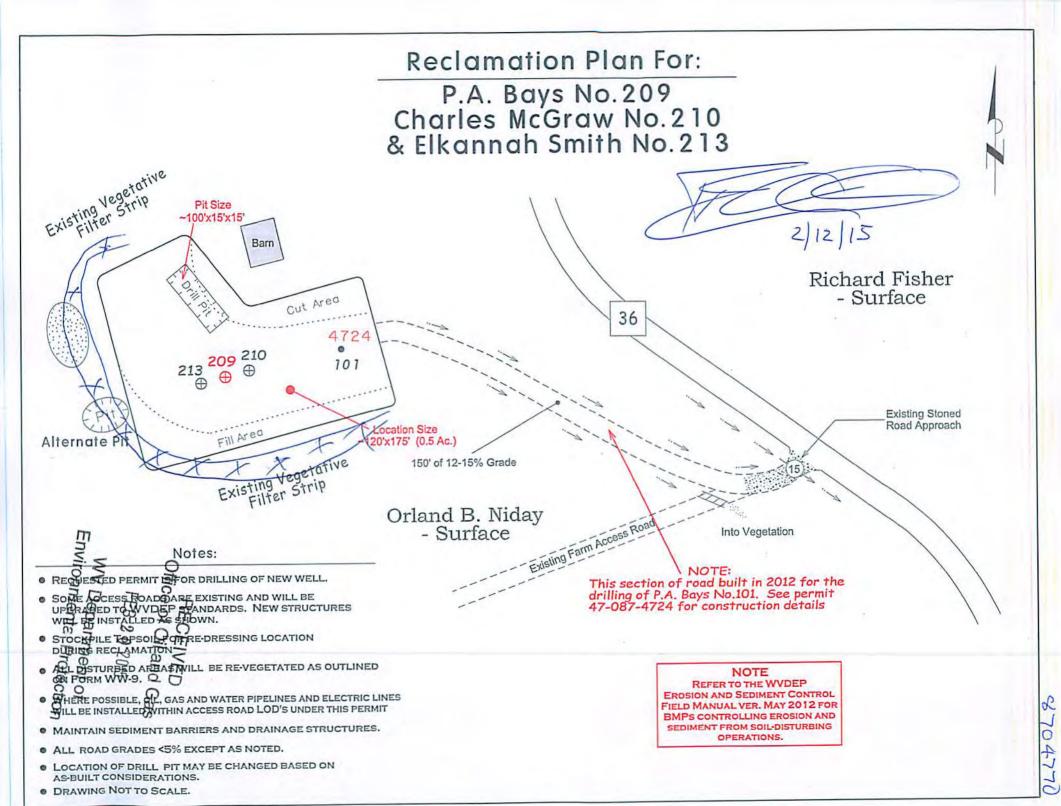


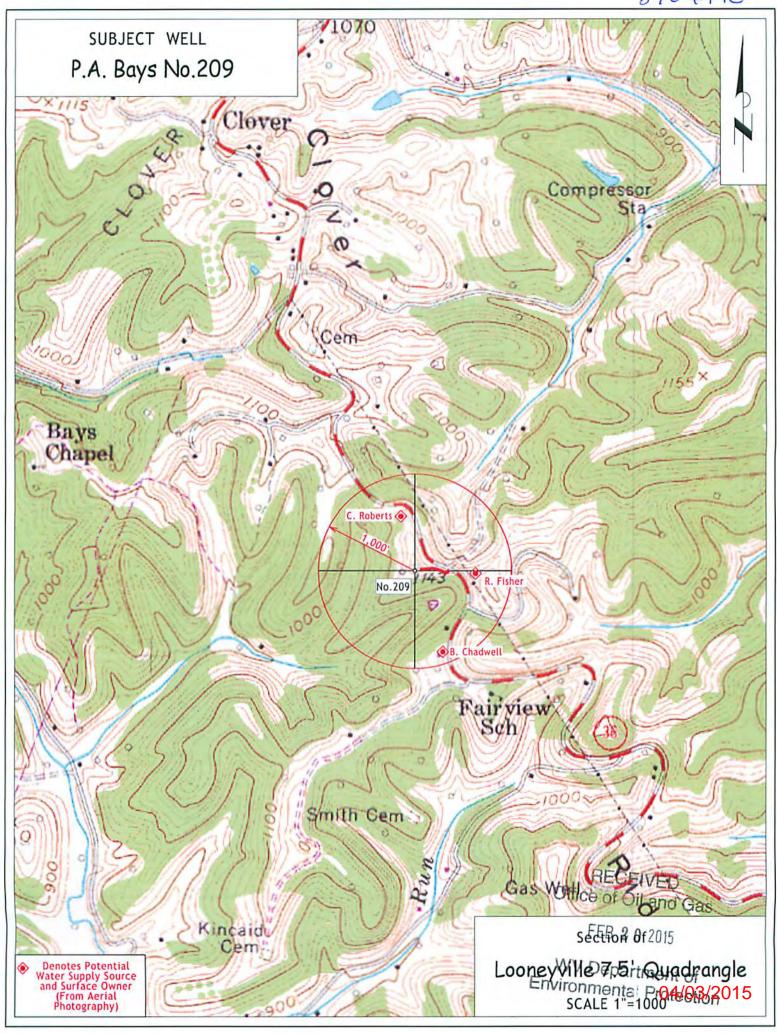
Form	W	W-9

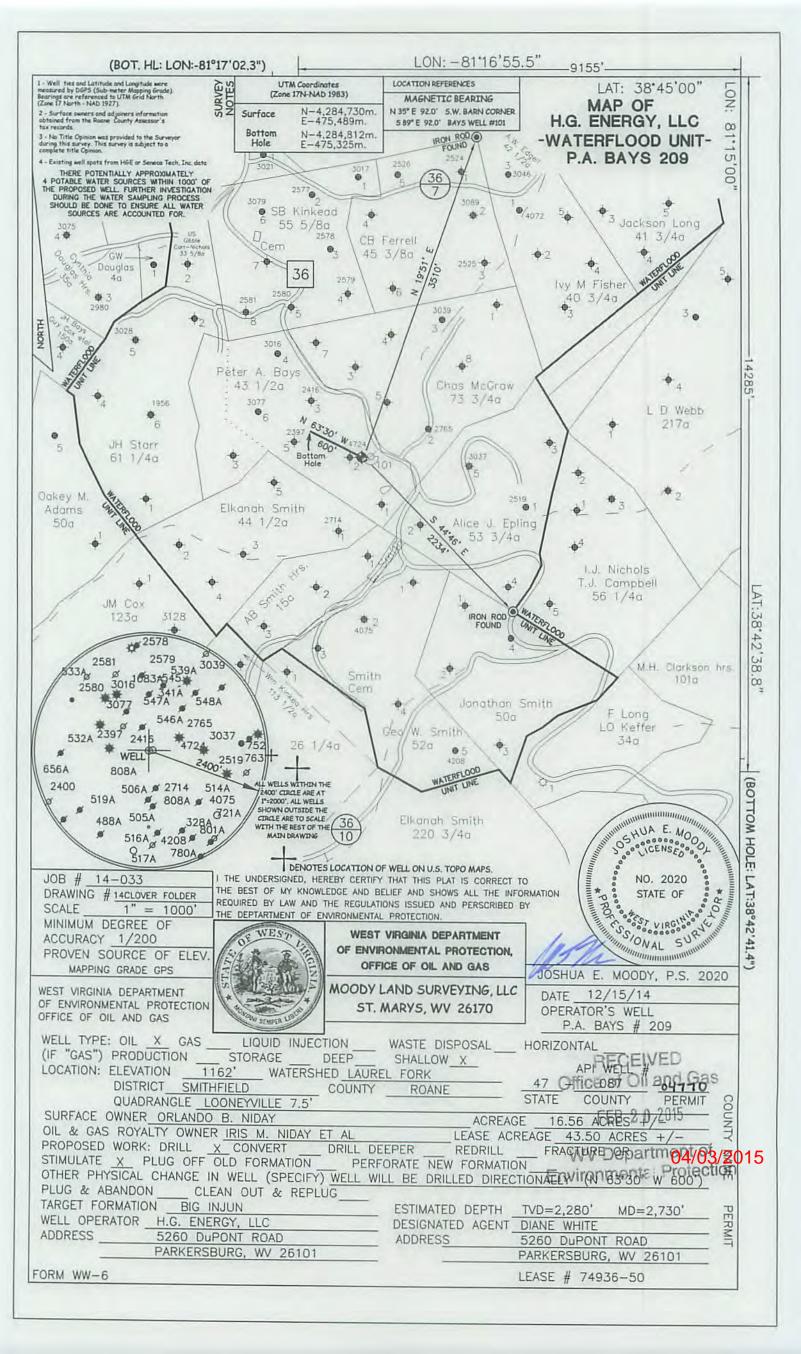
Operator's Well No. PA Bays 209

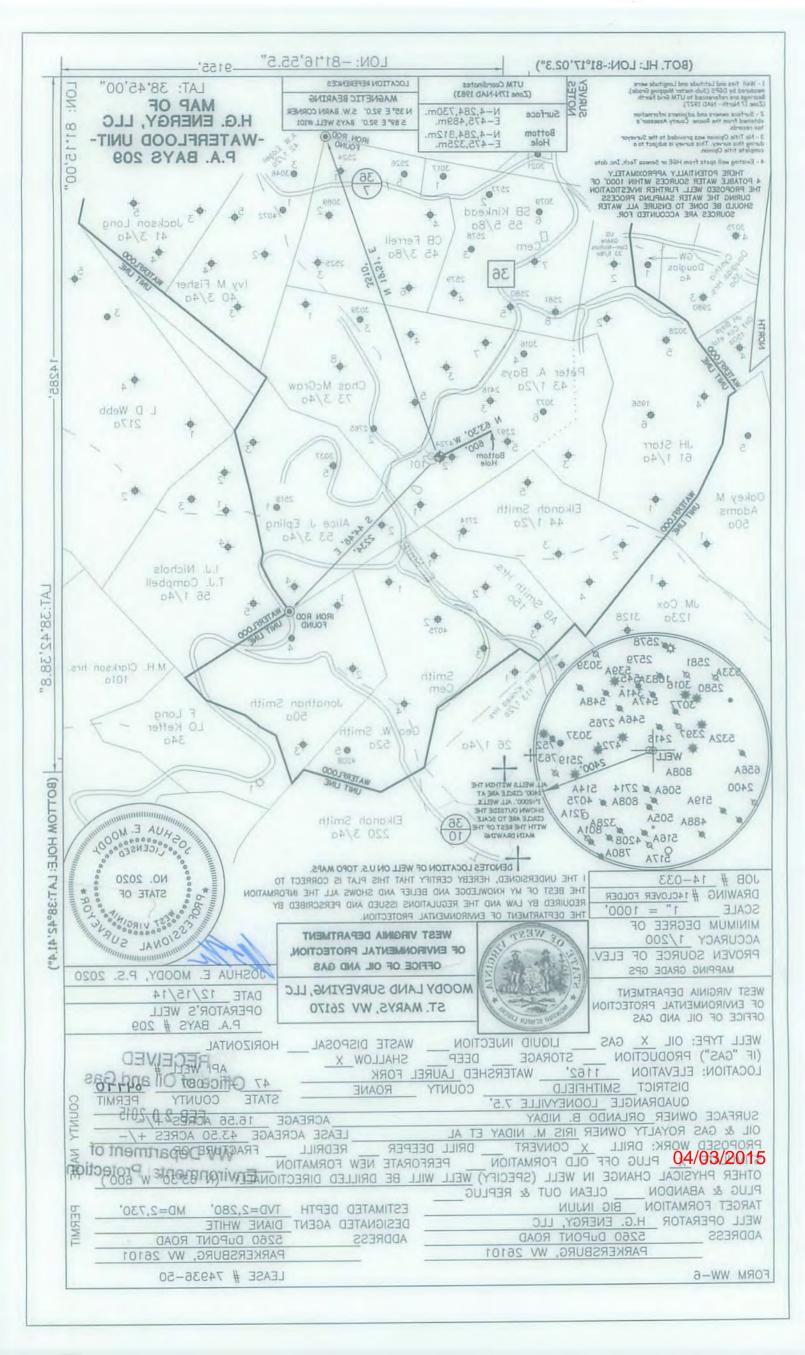
Proposed Revegetation Trea				рН
Lime	Tons/acre or to	correct to pH	6.5	
Fertilizer (10-20-2 Mulch_	0 or equivalent)	500 <sub>lbs/a</sub>	nere (500 lbs minimum)	
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Seed Type Tall Fescue	lbs/acre	*	Seed Type Tall Fescue	Area II  lbs/acre  40
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Photocopied section of invo	olved 7.5' topographic s	sheet.		
Comments:				
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				FEB 2 0 2015
				MALE

WV Department of Environmental Protection 04/03/2015



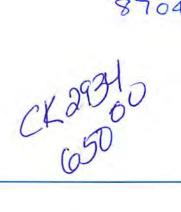








### HG Energy, LLC 5260 Dupont Road Parkersburg, WV 26101 (304) 420-1100 - Office (304) 863-3172 - Fax



February 6, 2015

Mr. Jeff McLaughlin West Virginia Department of Environmental Protection Division of Oil & Gas 601 57<sup>th</sup> Street Charleston, West Virginia 25304

RE: P. A. Bays No. 209

Smithfield District, Roane County

West Virginia

Dear Mr. McLaughlin:

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 \$650 is attached.

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

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Orland B. Niday - Certified

Ed Gainer - Inspector

Office of Oil and Gas

FEB 2 0 2015

WV Department of Environmental Protection

