



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

August 27, 2014


WELL WORK PERMIT
Rework-Secondary Recovery

This permit, API Well Number: 47-8704724, 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 101
Farm Name: NIDAY, ORLAND B.

API Well Number: 47-8704724

Permit Type: Rework-Secondary Recovery

Date Issued: 08/27/2014

Promoting a healthy environment.

08/29/2014

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-3B
10/07



1) Date July 2, 2014
 2) Operator's Well No. P.A. Bays No. 101
 3) API Well No. 47 - 087 - 4724
 State County Permit
 4) UIC Permit No. UIC2R08704AP

**STATE OF WEST VIRGINIA
 NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
 FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**

5) WELL TYPE: Liquid Injection Gas Injection (not storage) _____ Waste Disposal _____

6) LOCATION: Elevation 1173' Watershed Laurel Fork
 District Smithfield County Roane Quadrangle Looneyville 7.5'

7) WELL OPERATOR: HG Energy, LLC 494497948
5260 Dupont Road
Parkersburg, WV 26101

8) DESIGNATED AGENT: Mike Kirsch
5260 Dupont Road
Parkersburg, WV 26101

9) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Ed Gainer
 Address P. O. Box 821
Spencer, WV 25276

10) DRILLING CONTRACTOR: Name To be Determined Upon Approval of Permit
 Address _____

11) PROPOSED WELL WORK: Drill _____ Drill Deeper _____ Redrill _____ Stimulate
 Plug Off Old Formation _____ Perforate New Formation _____ Convert _____
 Other Physical Change in Well (specify) _____

12) Geological target formation Big Injun Depth 2157 Ft. (Top) to 2210 Ft. (Bottom) ~~3,580~~ ~~-3,597~~

13) Estimated depth of completed well (or actual depth of existing well) 2360' Ft. *JNM*

14) Approximate water strata depths: Fresh _____ None _____ Ft. Salt 1,790 Ft.

15) Approximate coal seam depths: _____ None _____ Ft.

16) Is coal being mined in the area? _____ Yes _____ No

17) Virgin reservoir pressure in target formation: _____ 1,250 _____ psig. Source _____ Estimated _____

18) Estimated reservoir fracture pressure: _____ 2,650 _____ psig.

19) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour 25 BBL Bottom Hole Pressure 2,400 psi

20) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES and other chemicals as needed to maintain water quality and improve oil recovery. Fresh water, produced water, bactericides

21) FILTERS (IF ANY) Cartridge filters and/or coal bed filters

22) SPECIFICATION FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL _____

23) CASING AND TUBING PROGRAM

[Handwritten Signature]
 8/27/14

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (CU. FT.)	PACKERS
	Size	Grade	Weight	New	Used	For Drilling	Left in Well		
Conductor									Kinds
Fresh Water	7"	L.S.	17#	X		587'	587'	Use Existing Casing	Tension
Coal									Sizes
Intermediate									2 3/8" x 4 1/2"
Production	4 1/2"	J-55	10.5#	X		2329.4'	2329.4'	Use Existing Casing	Depths Set
Tubing	2 3/8"	J-55	4.6#	X		2250'	2250'		2150'
Liners									Perforations
									Top Bottom

24) APPLICANTS OPERATING RIGHTS were acquired from P. A. Bays, et al
 by Deed _____ Lease Other Contract _____ Dated January 06, 1902 of record in the
Roane ~~Wetzel~~ County Clerk's Office in Lease Book 76 at Page 300

JNM

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

Farm name: NIDAY, ORLAND B. Operator Well No.: P.A. BAYS 101
 LOCATION: Elevation: 1,173' Quadrangle: LOONEYVILLE 7.5'
 District: SMITHFIELD County: ROANE
 Latitude: 14,275 Feet south of 38 Deg 45 Min 0 Sec.
 Longitude: 9,060 Feet west of 81 Deg 15 Min 0 Sec.

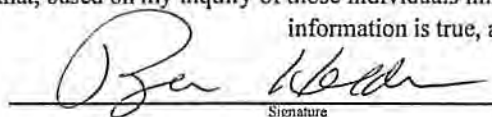
Company Address:	HG Energy 5260 DuPont Road Parkersburg, WV 26101	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Ed Gainer				
Date Permit Issued:	09/06/2012				
Date Well Work Commenced:	12/03/2012				
Date Well Work Completed:	12/09/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable	Rig	8 5/8"	587'	587'	245 sks
Total vertical Depth (ft):	2360'				
Total Measured Depth (ft):	2360'				
Fresh Water Depth (ft):	none	4 1/2"	2329.4'	2329.4'	280 sks
Salt Water Depth (ft):	1790'				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft):	None				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA

Producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

3/7/12
Date

Were core samples taken? No

Were cuttings caught during drilling? No

Were Y Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

6704724WS

Treatment : Not Completed

Well Log : All depths are measured relative to KB (8' AGL).

Shale w/ sand streaks	0	-	1012
Sand	1012	-	1118
shale	1118	-	1208
sand	1208	-	1234
shale	1234	-	1268
sand	1268	-	1309
shale	1309	-	1367
sand	1367	-	1420
shale	1420	-	1466
sand	1466	-	1545
shale	1545	-	1572
sand	1572	-	1615
shale	1615	-	1698
sand	1698	-	2000
Little Lime	2000	-	2028
Pencil Cave	2028	-	2042
Big Lime	2042	-	2167
Big Injun	2167	-	2210
Shale	2210	-	2360
TD	2360		
T.D. -Logger	2359	KB	
T.D. -Driller	2360	KB	

08/29/2014



1) Date: July 2, 2014

2) Operator's Well No. P.A. Bays No. 101

3) API Well No. 47 087 - 4724
 State County Permit

4) UIC Permit No. UIC2R08704AP

8704724 W 3
2704
10500

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5) Surface Owner(s) To Be Served

(a) Name Orland B. Niday
 Address 184 Parkersburg Road
Spencer, WV 25276

(b) Name _____
 Address _____

(c) Name _____
 Address _____

6) Inspector Ed Gainer
 Address P. O. Box 821
Spencer, WV 25276
 Telephone _____

7 (a) Coal Operator
 Name NA
 Address _____

7 (b) Coal Owner(s) With Declaration Of Record
 Name NA
 Address _____

Name _____
 Address _____

7(c) Coal Lessee With Declaration Of Record
NA

TO THE PERSON(S) NAMED ABOVE: You should have received this form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work;
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is September 1, 2012

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON FORM WW-3(A) DESIGNATED TO YOU. HOWEVER YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to a well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of the mailing or delivery to the Chief.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Well Operator HG Energy, LLC
 Address 5260 Dupont Road
Parkersburg, WV 26101

By: Diane C. White
 Its: Accountant

Signature Diane White

RECEIVED
Office of Oil and Gas
JUL 25 2014

Oil and Gas Privacy Notice

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 course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at: depprivacyofficer@wv.gov

Department of Environmental Protection

6704724WS

HG ENERGY, LLC

03-11

2704

304-422-6565
5260 DUPONT RD
PARKERSBURG, WV 26101

56-250/442
02

DATE 7-2-2014

PAY TO THE ORDER OF WV D.E.P.

\$ 650.00

Six Hundred Fifty Dollars and 00/100 -----

DOLLARS



800.374.6123
peoplesbankcorp.com

Working Together. Building Success.

FOR Permit P.A. Bays #101



**U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

7012 3050 0002 3568 6093 E609 895E 2000 050E 2107

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	17.00

Postmark Here

Sent To Orland B. Niday ✓

Street, Apt. No.; or PO Box No. 184 Parkersburg Rd.

City, State, ZIP+4 Spencer, WV 25276

PS Form 3800, August 2006

See Reverse for Instructions

08/29/2014

WW-2B1

Well No. P.A. Bays No. 101

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.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

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

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

Contractor Name Sturm Environmental Services
 Well operator's private laboratory

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 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.

No known Water Supply Sources are located within 1000' of proposed well.

08/29/2014

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 HG Energy, LLC OP Code 494497948

Watershed Laurel Fork Quadrangle Looneyville 7.5'

Elevation 1173' County Roane District Smithfield

Description of anticipated Pit Waste: Fluids encountered in stimulating existing injection well

Do you anticipate more than 5,000 bbls of water to complete the proposed well work: Yes No X

Will a synthetic liner be used in pit? Yes If so, what mil.? 20 Mil.

Proposed Disposal Method For Treated Pit Wastes:
X Land Application
 Underground Injection (UIC Permit Number)
 Reuse (at API Number)
 Off Site Disposal (Supply Form WW-9 for disposal location)
 Other (Explain)

Drilling medium anticipated for this well? Air, fresh water, oil based, etc. Air
- If oilbased, what type? Synthetic, petroleum, etc.

Additives to be used? Water, soap, KCl

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, sawdust, lime
- Landfill or offsite name/permit number? No

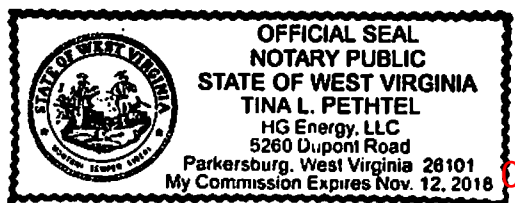
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Diane C White
Company Official (Typed Name) Diane C. White
Company Official Title Accountant

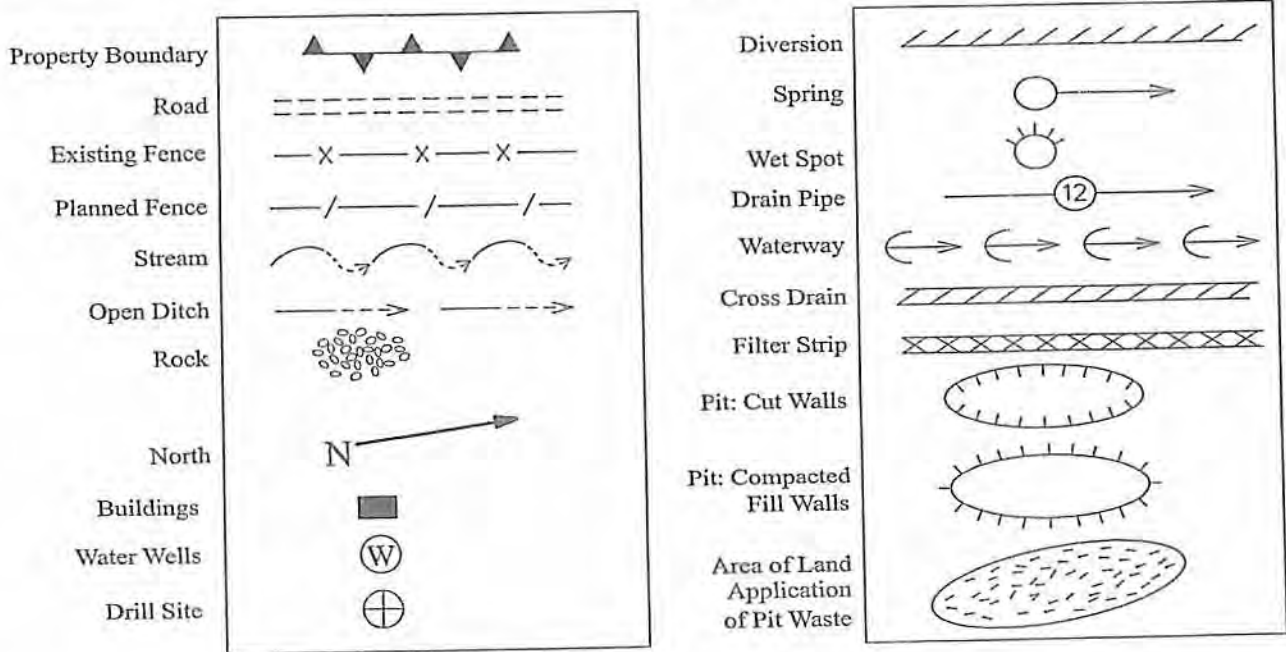
Subscribed and sworn before me this 2 day of July 2018
Tina L. Pethel Notary Public

My commission expires Nov 12, 2018



08/29/2014

Legend



Proposed Revegetation Treatment: Acres Disturbed Area I Approx. 1.0 Ac. Prevegetation pH _____

Area II Approx. 0.0 Ac.

Lime 2 Tons/Acre or Correct to pH 6.5
 Fertilizer (10-20-20 or Equivalent) 500 Lbs./Acre (500 lbs. Minimum)
 Mulch Straw 2 Tons/Acre *

SEED MIXTURES

<u>Area I (Location)</u>	
Seed Type	Lbs./Ac.
Tall Fescue	40
Ladino Clover	5

<u>Area II (Road)</u>	
Seed Type	Lbs./Ac.
Tall Fescue	40
Ladino Clover	5

Attach:
 Drawing(s) of road, location, pit and proposed area for land application
 Photocopied section of involved 7.5' topographic sheet.

Plan approved by: _____

Comments: _____

Title: Inspector Date: 7/23/14

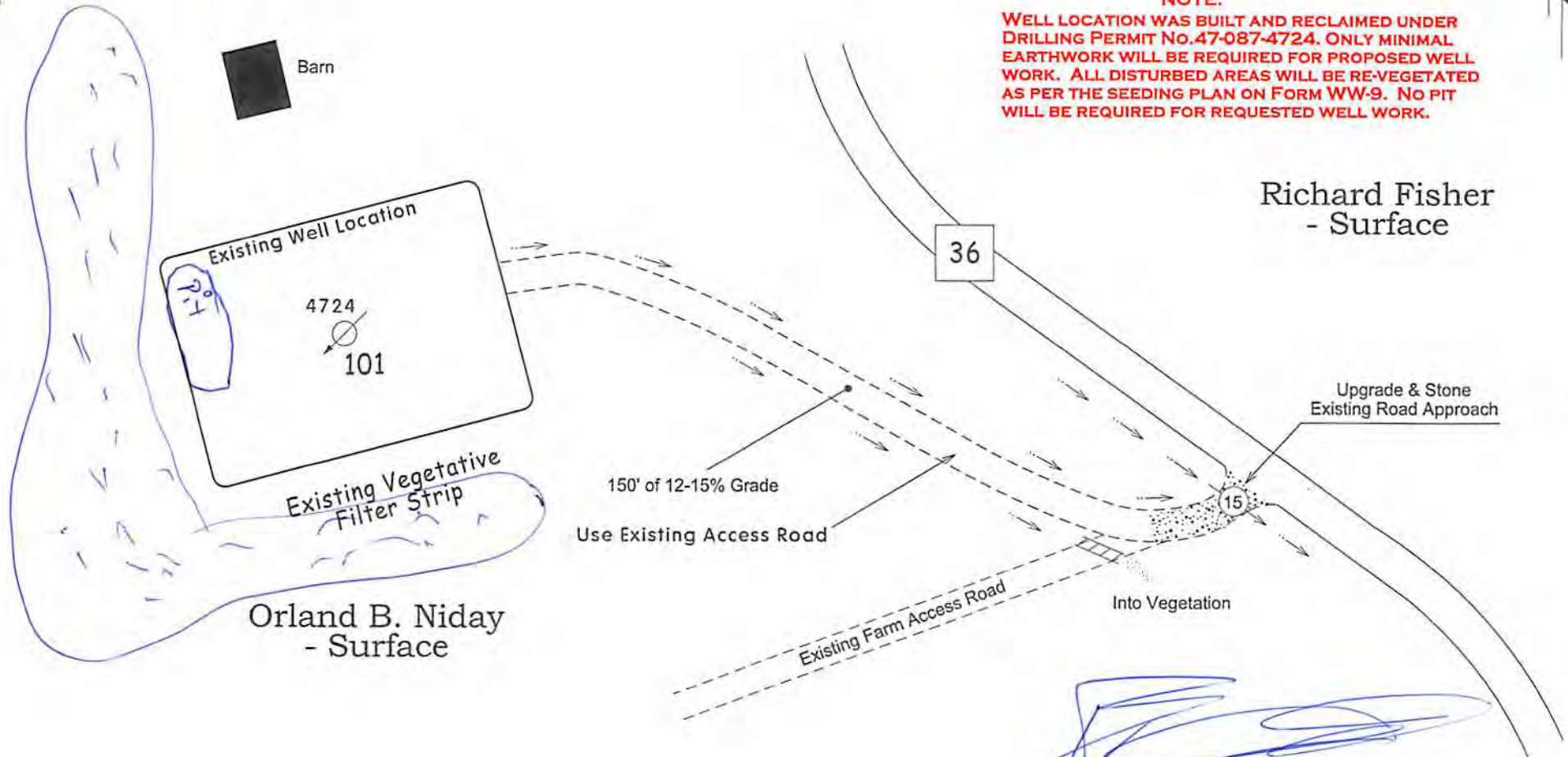
Field Reviewed? Yes () No

87.04724 RS

Reclamation Plan For: P.A. Bays No.101 47-087-4724 Frac Permit 4/11/2014



NOTE:
WELL LOCATION WAS BUILT AND RECLAIMED UNDER DRILLING PERMIT NO.47-087-4724. ONLY MINIMAL EARTHWORK WILL BE REQUIRED FOR PROPOSED WELL WORK. ALL DISTURBED AREAS WILL BE RE-VEGETATED AS PER THE SEEDING PLAN ON FORM WW-9. NO PIT WILL BE REQUIRED FOR REQUESTED WELL WORK.



Notes:

- Requested permit is for re-completion of existing well.
- Location and access road from WV SR 36 to the well is existing. Structures shown will be maintained.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Sediment barriers and drainage structures will be maintained.
- All road grades <5% except as noted.

NOTE
REFER TO THE WVDEP
EROSION AND SEDIMENT CONTROL
FIELD MANUAL VER. MAY 2012 FOR
BMPs CONTROLLING EROSION AND
SEDIMENT FROM SOIL-DISTURBING
OPERATIONS.

[Handwritten signature]
7/23/14

Note: Drawing not to Scale

SUBJECT WELL
P.A. Bays No.101
47-087-4724

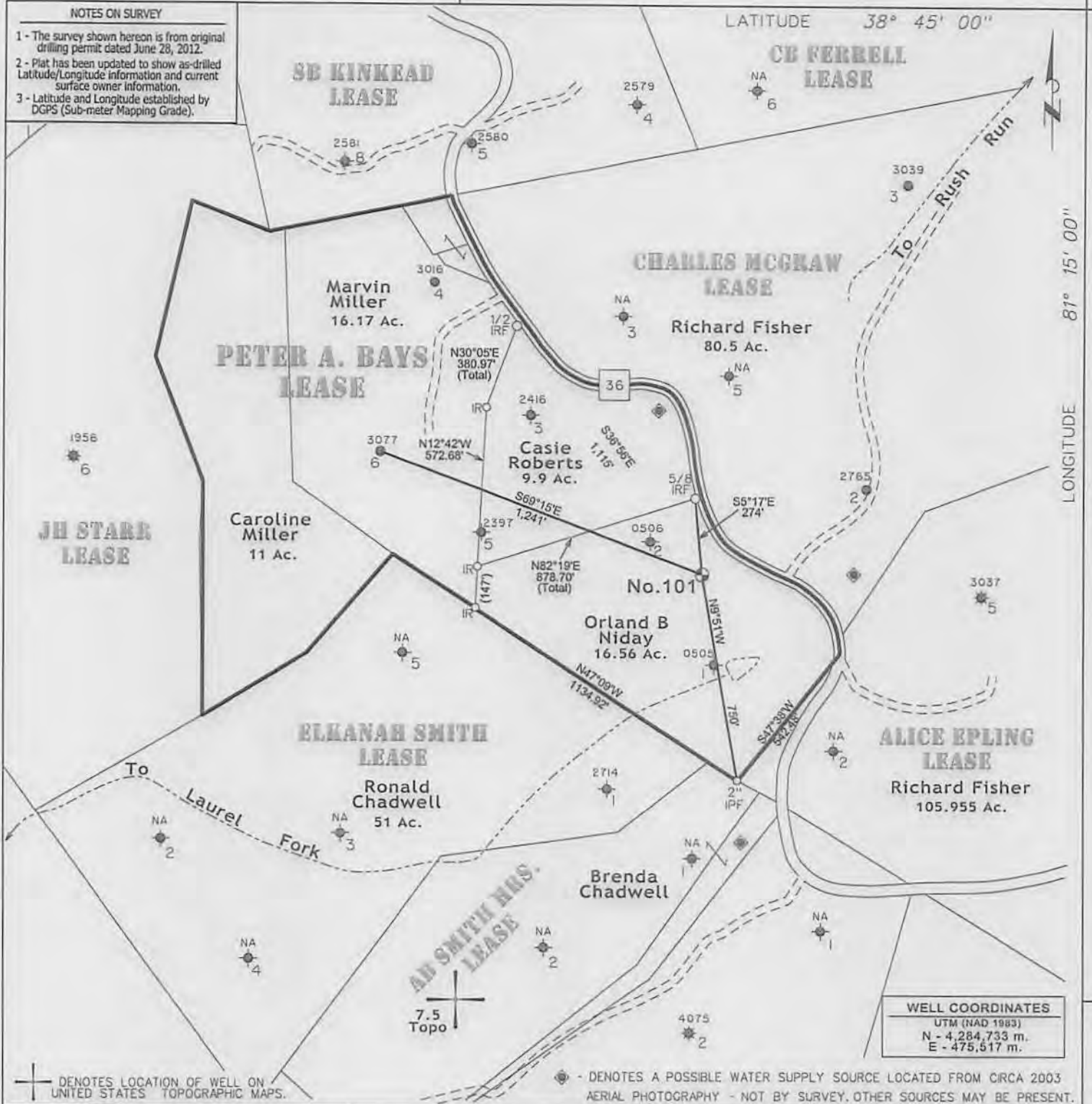


Section of
U.S. Department of
Environmental Protection
Looneyville 7.5' Quadrangle

SCALE 1"=1000' 08/29/2014

NOTES ON SURVEY

- 1 - The survey shown hereon is from original drilling permit dated June 28, 2012.
- 2 - Plat has been updated to show as-drilled Latitude/Longitude information and current surface owner information.
- 3 - Latitude and Longitude established by DGPS (Sub-meter Mapping Grade).




WELL COORDINATES
 UTM (NAD 1983)
 N - 4,284,733 m.
 E - 475,517 m.

✚ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

✚ DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.

FILE NO. 1047-25
 DRAWING NO. 1 - Frac
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY Sub-Meter
 PROVEN SOURCE OF ELEVATION DGPS Survey

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) 
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 601 57th Street
 Charleston, West Virginia 25304



DATE June 25, 2014
 FARM P.A. Bays No.101
 API WELL NO. 47-087-04724 W/S

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___ HORIZONTAL ___
 LOCATION: ELEVATION 1,173' WATERSHED Laurel Fork
 DISTRICT Smithfield COUNTY Roane
 QUADRANGLE Looneyville 7.5'
 SURFACE OWNER Orland B. Niday ACREAGE 16.56 Ac.
 OIL & GAS ROYALTY OWNER HG Energy et al. LEASE ACREAGE 43.5 Ac. 08/29/2014
 LEASE NO. 74936-50
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Big Injun ESTIMATED DEPTH 2,360'
 WELL OPERATOR H.G Energy, LLC DESIGNATED AGENT Diane White
 ADDRESS 5260 Dupont Road ADDRESS 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101



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

July 2, 2014

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

RE: P. A. Bays No. 101 (API No. 47-087-4724)
Smithfield District, Roane County
West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-3A, WW-3B, WW-9, WW-3(B1), mylar of plat, reclamation plan, topo map and copies of the certified mailing receipt for a permit application to re-complete a liquid injection well. Also enclosed is our check in the amount of \$650.00 to cover the associated permit fees.

Very truly yours,

Diane C White

Diane C. White

Enclosures

cc: Orland B. Niday – Certified
Ed Gainer – Inspector

RECEIVED
Office of Oil and Gas
JUL 4 2014
WV Department of
Environmental Protection

08/29/2014