

Windfall Oil and Gas Inc.

305 Chan Road, Falls Creek PA 15840

Mhoov16@verizon.net 814-771-9686

April 2, 2020

Mr. Kevin Rowsey
Water Division
U.S. E.P.A. Region III
1650 Arch Street
Philadelphia, PA 19103

Re: Windfall Oil & Gas Inc.
UIC Permit# PAS2D020BCLE
Zelman#1 – Permit renewal application

Dear Mr. Rowsey,

Please find attached our Zelman permit renewal application.

The vast majority of information provided is directly from the original application and has been re-formatted to better align with the EPA's new attachment descriptions.

Any changes were in response to items in your letter dated March 4th, 2020 as well as previous EPA notice of deficiencies and requirements by the PA DEP.

Please see changes in:
Attachment A Map(s) and Area of review
Attachment C Well Construction and Conversion
Attachment E Plugging and Abandonment Plan

In an effort to address any objections to this renewal application we have included previous findings made by both the EPA and the DEP appeals board at this location.
Also, we are requesting that this permit be issued for a 10 year period at stated under UIC regulations.

One error I should point out is that the permit number on the page corners has the letters transposed. The permit # is PA2SD020BCLE not PAS2D020BLCE.

Please let me know as soon as possible if any further changes are required.

Yours Truly,



Michael G Hoover

UIC PERMIT # PAS2D020BCLE

**PERMIT RENEWAL
APPLICATION**

ZELMAN #1

WINDFALL OIL & GAS, INC.



United States Environmental Protection Agency
Underground Injection Control
Permit Application for a Class II Well
 (Collected under the authority of the Safe Drinking Water Act,
 Sections 1421, 1422, and 40 CFR Part 144)

For Official Use Only

Date Received

Permit Number

Read Attached Instructions Before Starting

I. Owner Name, Address, Phone Number and/or Email Windfall Oil & Gas, Inc. 305 Chan Road Falls Creek, PA 15840 814 771 9686 mhooov16@verizon.net			II. Operator Name, Address, Phone Number and/or Email "same as owner"		
III. Commercial Facility ☒ Yes ☐ No	IV. Ownership ☒ Private ☐ Federal ☐ State/Tribal/ Municipal	V. Permit Action Requested ☐ New Permit ☒ Permit Renewal ☐ Modification ☐ Add Well to Area Permit ☐ Other	VI. SIC Code(s) 1311	VII. Indian Country ☐ Yes ☒ No	
VIII. Type of Permit (For multiple wells, use additional page(s) to provide the information requested for each additional well)					
☒ A. Individual ☐ B. Area		Number of Wells 1	Well Field and/or Project Names Frank & Susan Zelman		
IX. Class and Type of Well (see reverse)					
A. Class II	B. Type (enter code(s)) I	C. If type code is "X," explain.			
X. Well Status ☐ A. Operating Date Injection Started			XI. Well Information ☐ B. Conversion Date Well Constructed		
☒ C. Proposed			API Number 37-033-27255-00-00 Permit (or EPA ID) Number PAS2D020BCLE Full Well Name Frank & Susan Zelman		
XII. Location of Well or, for Multiple Wells, Approximate Center of Field or Project					
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1/4 of 1/4 of Section Township Range ft. from (N/S) Line of quarter section ft. from (E/W) Line of quarter section.			Latitude 41.081944 Longitude -78.746931		
XIII. Attachments In addition to this form, complete Attachments A-U (as appropriate for the specific well class) on separate sheets. Submit complete information, as required in the instructions and list all attachments, maps or other figures, by the applicable letter.					
XIV. Certification					
I certify under the 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. (Ref. 40 CFR § 144.32)			Name and Official Title (Please Type or Print) Michael G. Hoover, President		
Signature 			Date Signed 4/11/2020		

From: RA-ep-OGRENOTIF@pa.gov
Sent: Wednesday, March 18, 2020 4:32 PM
To: utrynovich@pa.gov; mherzing@pa.gov; svanfleet@pa.gov; riswank@pa.gov; RA-ep-OGRENOTIF@pa.gov
Cc: mpanettier@pa.gov; svanfleet@pa.gov; swharton@pa.gov; mhoov16@verizon.net
Subject: New SPUD date recorded for well API 37-033-27255-00-00

Reported by: WINDFALL OIL & GAS INC (OGO #: 65180)
Reporting User: Hoover, Michael ; e-mail: mhoov16@verizon.net, phone: 814-771-9686
Well API #: 37-033-27255-00-00
SPUD Date: 3/20/2020
Operator reporting Skid Event: N
Farm Name: FRANK & SUSAN ZELMAN 1
Well #: 1
Well Status: ACTIVE
Municipality: Brady
County: Clearfield
Unconventional Indicator: N
Well Configuration Code: VERTI
Permit Issued Date: 3/21/2018
Permit Expiration Date: 3/21/2020
Latitude: 41.081944
Longitude: -78.746931

Modified By:
Modification Date: never modified
Created By: HOOVERMI
Creation Date: 3/18/2020 16:32

EPA permit # PAS2D020BCLE

DEP permit # 37-033-27255-00-00

3/4/2020

Attachment A. Map(s) and Area of Review

Attachment A.

Part I. Well Location

The surface location provided in the accompanying form 7520-6 adequately describes the well location.

Part II. Area of Review Size Determination (40 CFR 146.6)

The area of review method utilized for the Zelman #1 injection well shall be a fixed radius method consistent with section 146.6 of the EPA's Underground injection control program: criteria and standards. That is Windfall Oil & Gas Inc. will base its research for active, inactive, plugged and abandoned wells on a fixed radius of ¼ mile or 1320 feet from the wellbore.

Part III. Map(s) (40CFR 144.31 & 146.24)

See (3) maps completed by EADS Group dated March 17th, 2020

Part IV. Area of Review Wells and Corrective Action Plans (40 CFR 144.55 & 146.24)

The following research indicated that no wells, inactive, plugged or abandoned wells are located within the area of review that penetrate the injection zone:

- (1) Research of DEP Bureau of Oil and Gas Records conducted by Windfall Oil & Gas.
- (2) A survey conducted by Alexander Surveyor; registered professional surveyor
- (3) Contact with landowners

There are no wells withing the area of review that penetrate the proposed confining zone.

Furthermore, If in the event any well(s) is discovered within the area of review; Windfall Oil & Gas assumes the responsibility to plug and abandon that well(s) in accordance with the EPA and Pennsylvania DEP specifications.

Part V. Landowners Information (40 CFR 114.31 and part 147)

Please see Attached titled "Property Owner's List within 2640' radius of the Proposed Disposal/Injection Well"

Property Owner's List within a 2,640 Foot Radius of the Proposed Disposal / Injection Well

1070-B05-000-00087 Michael S. & Danielle M. Kennelly 1359 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00053 Dustin L. & Erin D. Flanders 1008 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-00108 Cliff. Co. Indust. Devel. Auth. C/O Raymond Schall 658 Silis Hollow Road Kittanning, Pa. 16201	1070-C05-000-00110 Frank & Susan Zelman 1431 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-00081 James H. & Ellen B. Weyland 364 Fender Road DuBois, Pa. 15801
1070-B05-000-00084 Emily A. & Sean K. Zimmerman 1317 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00057 Terry & Carole Lawson 1042 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-00125 D & A Industries, Inc. 13616 Indiana Road Kittanning, Pa. 16201	1070-C05-000-00139 Carol J. Kurtz 1072 Tower Lane DuBois, Pa. 15801	1070-C05-000-00194 Brian K. Wells 159 Potter Lane DuBois, Pa. 15801
1070-B05-000-00085 Randy R. Baird Jr. 1273 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00089 Daniel C. & Michelle D. Monella 74 Robin Lane DuBois, Pa. 15801	1070-B05-000-00095 Norman A. Nightingale et ux 2482 Carson Hill Road DuBois, Pa. 15801	1070-C05-000-00162 Justin & Jessica Zelman 1072 Tower Lane DuBois, Pa. 15801	1070-C05-000-00192 David W. & Mary Ann Himes 154 Hunter Lane DuBois, Pa. 15801
1070-B05-000-004.1 Randall R. & Joanne Baird 1273 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00058 Janet & James Plyler 206 Robin Lane DuBois, Pa. 15801	1070-B05-000-00103 Robert B. & Pauline E. Wells 1640 Highland St. Ext. DuBois, Pa. 15801	1070-C05-000-00169 John M. & Sue A. Barr 1288 Tower Lane DuBois, Pa. 15801	1070-C05-000-00175 Keith R. & Lisa L. McCartney 96 Potter Lane DuBois, Pa. 15801
1070-B05-000-00083 Randell T. & Valerie J. Powers 1235 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00096 Joseph P. & Melissa L. Michael 237 Robin Lane DuBois, Pa. 15801	1070-B05-000-00102 Gregory Leach 1672 Highland St. Ext. DuBois, Pa. 15801	1070-C05-000-00201 Rita M. & David W. Barr 1317 Tower Lane DuBois, Pa. 15801	1070-C05-000-00160 Jason P. & Nora K. Gerg 44 Potter Lane DuBois, Pa. 15801
1070-B05-000-0058.1 Ronald H. & Joyce Greathouse 1197 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00112 Joseph P. & Melissa L. Michael 237 Robin Lane DuBois, Pa. 15801	1070-B05-000-00026 Dale A. McQuown et ux Trustees 1587 Sykes St. Ext. DuBois, Pa. 15801	1070-C05-000-00124 Darren & Michael Mennitti 229 4th Street Reynoldsville, Pa. 15851	1070-C05-000-00039 Keith G. Wells et al 121 Potter Lane DuBois, Pa. 15801
1070-B05-000-0059.2 Robert D. & Ethel M. Marshall 1154 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00093 Duane R. & Darlene C. Marshall 1070 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-0026.1 Leshia Martinez 1782 Highland St. Ext. DuBois, Pa. 15801	1070-C05-000-0039.5 Keith G. Wells et al 121 Potter Lane DuBois, Pa. 15801	1070-C05-000-00170 Brian K. Wells 121 Potter Lane DuBois, Pa. 15801
1070-B05-000-00080 Richard L. & Nora A. Jenny Trustees, Jenny Family Trust 1222 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-0059.2 Robert D. & Ethel M. Marshall 1154 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-00023 Richard E. Muth 2404 Carson Hill Road DuBois, Pa. 15801	1070-C05-000-00193 Shane W. & Tori M. Sweeney 29 Buell Road Curwensville, Pa. 16833	1070-C05-000-0039.2 Gerald Royer 88 Pioneer Lake Drive Cherry Tree, Pa. 15724
1070-B05-000-00088 Cindy M. Haag 2025 Saddleclub Rd. DuBois, Pa. 15801	1070-B05-000-00113 Robert D. & Ethel M. Marshall 1154 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-00123 Richard E. Muth 2404 Carson Hill Road DuBois, Pa. 15801	1070-C05-000-00118 Albert T. Jr. & Barbara A. Marsh 1583 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-0039.3 Charles W. & Reta J. Rice 1691 Highland St. Ext. DuBois, Pa. 15801
1070-B05-000-00091 Robert M. & Edith M. Stewart 115 Robin Lane DuBois, Pa. 15801	1070-B05-000-00059.1 Peter L. & Dawn B. Erickson 59 Robin Lane DuBois, Pa. 15801	1070-B05-000-0023.1 Blair L. Jr. & Karen L. Michael 863 Rock Run Road Rockton, Pa. 15856	1070-C05-000-0039.4 Albert T. Jr. & Barbara A. Marsh 1583 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-00144 Keith G. Wells et al 121 Potter DuBois, Pa. 15801
1070-B05-000-00081 Robert L. Edmiston Debra K. Reasinger P.O. Box 1051 DuBois, Pa. 15801	1070-B05-000-00059 George J. Michael III et al C/O Susan Acuna 216 Kane Street Ridley Park, Pa. 19078	1070-B05-000-00078 David R. Miller 753 White Road Falls Creek, Pa. 15840	1070-C05-000-0039.1 Homer L. & Shirley J. Wells 1625 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-00199 Jackie R. Chewing 1707 Highland St. Ext. DuBois, Pa. 15801
1070-B05-000-00082 Monica A. Lockhart C/O Monica Kutser 1298 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00092 Janet L. & James H. Plyer 206 Robin Lane DuBois, Pa. 15801	1070-B05-000-00074 Richard T. Cherico 2608 Carson Hill Road DuBois, Pa. 15801	1070-C05-000-00164 Century - TCI California, LP Attn: Property Tax Dept. P.O. Box 173838 Denver Co. 80217	1070-C05-000-00057 Jackie R. & Judy L. Chewing 1707 Highland St. Ext. DuBois, Pa. 15801
1070-B05-000-00082 Theodore J. & Rona C. Crytser 1500 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-0027.2 DuPenn Inc. 160 Barnoff Road DuBois, Pa. 15801	1070-B05-000-00073 Blair L. Jr. & Karen L. Michael 863 Rock Run Road Rockton, Pa. 15856	1070-C05-000-0014.1 Richard Lee & Marianne Atkinson 221 Deer Lane DuBois, Pa. 15801	1070-C05-000-00082 New Salem Cemetery DuBois, Pa. 15801
1070-B05-000-00080 Theodore J. & Rona C. Crytser 1500 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00027 Raymond Eugene And Margaret Sarah Ann Schall 568 Silis Hollow Road Kittanning, Pa. 16201	1070-B05-000-00073.1 Blair L. Jr. & Karen L. Michael 863 Rock Run Road Rockton, Pa. 15856	1070-C05-000-00194 Dennis R. & Terry L. Marsh 1379 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-0047.1 Vira Terra Holdings LLC. 305 Highland St. Ext. DuBois, Pa. 15801
1070-B05-000-0027.1 Theodore J. & Rona C. Crytser 1500 Highland Street Ext. DuBois, Pa. 15801	1070-B05-000-00081 Chapman Auto Parts & Sales Inc. 2608 Carson Hill Road DuBois, Pa. 15801	1070-B05-000-00078 James F. Krach et al 763 Treasure Lake DuBois, Pa. 15801	1070-C05-000-110.1 Dennis R. & Terry L. Marsh 1379 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-0047.2 Jordan J. & Amy M. Lydick 2223 Carson Hill Road DuBois, Pa. 15801
1070-B05-000-00107 Chapman Auto Parts & Sales Inc. 2608 Carson Hill Road DuBois, Pa. 15801	1070-B05-000-00101 Chapman Auto Parts & Sales Inc. 2608 Carson Hill Road DuBois, Pa. 15801	1070-B05-000-00024 GLS Leasco, Inc. Attn: Real Estate Dept. 12225 Stephens P.O. Box 869, 48090	1070-C05-000-00163 Dennis R. & Terry L. Marsh 1379 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-00210 Joshua Q. & Rebecca R. McCartney 270 Potter Lane DuBois, Pa. 15801
1070-B05-000-00058 Eric A. & Kristy L. Wilson 83 Deer Lane DuBois, Pa. 15801	1070-B05-000-00041 Chapman Auto Parts & Sales Inc. 2608 Carson Hill Road DuBois, Pa. 15801	1070-B05-000-00084 Richard E. Muth 2404 Carson Hill Road DuBois, Pa. 15801	1070-C05-000-00008 Cecil E. Geinet 831 Highland Street Ext. DuBois, Pa. 15801	1070-C05-000-00046 William Swalsworth 149 Baker Road DuBois, Pa. 15801
1070-B05-000-00104 Debra A. & David E. Slattery C/O Loretta Slattery 1079 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-00039 Chapman Auto Parts & Sales Inc. 2608 Carson Hill Road DuBois, Pa. 15801	1070-B05-000-00124 Richard E. & Shelley M. Muth 2087 Salem Road DuBois, Pa. 15801	1070-C05-000-00014 Richard M. & Sharon Kolash 155 Deer Lane DuBois, Pa. 15801	1070-C05-000-00083 New Salem M.E. Church 2044 Carson Hill Rd. Luthersburg, Pa. 15848
1070-B05-000-00051 Francis E. Hand 894 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-00072 Chapman Auto Parts & Sales Inc. 2608 Carson Hill Road DuBois, Pa. 15801	1070-B05-000-00038 Craig Management Inc. 3656 Watson Highway DuBois, Pa. 15801	1070-C05-000-00142 Renald & Barbara A. London 109 Olive Avenue DuBois, Pa. 15801	1070-C05-000-00111 Grae & Sherry Schuster 157 Saddleclub Rd Luthersburg, Pa. 15848
1070-B05-000-00085 Troy Garret Wells 990 Highland St. Ext. DuBois, Pa. 15801	1070-B05-000-00105 Craig Management Inc. 3656 Watson Highway DuBois, Pa. 15801	1070-B05-000-00069 John & Lori Chambers 1008 Highland St. Ext. DuBois, Pa. 15801	1070-C05-000-00203 Donald E. & Linda A. Wells 1063 Oklahoma Salem Road DuBois, Pa. 15801	
			1070-C05-000-00181 James V. & Cheryl L. Vida 919 Oklahoma Salem Road DuBois, Pa. 15801	

Attachment B. Geological and Geophysical Data

Part 1. Geological Data (40 CFR.14 & 146.70)

Please see attached the following information:

- 1) Hydrology report and mapping completed by Resource Management Service Inc.
- 2) Geologic Data on Injection and confining zones
- 3) Injectivity Test Data and Permeability calculations
- 4) Discussion of geologic maps and cross sections by Billman Geologic Consultants
- 5) Fault Transmissivity
 - a. Letter addressed to Mr. Steven Platt at the EPA – Public Hearing Testimonial
 - b. Environmental Appeals Board United States Environmental Protection Agency
Order denying petitions for review.
 - c. Commonwealth of Pennsylvania Environmental Hearing Board
EHB Docket No. 2108-034-L
- 6) Recent Earthquakes in Pennsylvania (search date 3/8/2020)