October 16, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1704579, issued to FLO-DAK, INC, 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 penalties 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.

James Martin
Chief

Operator's Well No: FLODAK 3
Farm Name: POWELL, DENNIS
API Well Number: 47-1704579
Permit Type: Plugging
Date Issued: 10/16/2014

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

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

4) Surface Owner(s) to be served:
   (a) Name: Powell, Dennis
   Address: 304 Stewart Street
             West Union, WV 26456
(b) Name: ____________________________
   Address: ____________________________
(c) Name: ____________________________
   Address: ____________________________

5) (a) Coal Operator
   Name: N/A
   Address: ____________________________
(b) Coal Owner(s) with Declaration
   Name: ____________________________
   Address: ____________________________
(c) Coal Lessee with Declaration
   Name: ____________________________
   Address: ____________________________

6) Inspector
   Name: Douglas Newlon
   Address: 4060 Dutchman Road
             McFarlan, WV 26148
   Telephone: (304)932-8049

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

(1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well and its and the plugging work order, and
(2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. 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 permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat 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 mailing or delivery to the Chief.

Well Operator: Flo-Dak, Inc.
By: ____________________________
    Designated Agent
Address: 304 Stewart St.
         West Union, WV 26456
Telephone: ____________________________

Subscribed and sworn before me this 1st day of October, 2014
My Commission Expires: Nov. 8, 2020

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 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 depprivacyofficer@wv.gov.
SURFACE OWNER WAIVER

Operator's Well Number

Flodak #3

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief’s office by the time stated above. You may call the Chief’s office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a “voluntary statement of no objection” to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator’s name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:
1) The proposed well work will constitute a hazard to the safety of persons.
2) The soil erosion and sediment control plan is not adequate or effective;
3) Damage would occur to publicly owned lands or resources;
4) The proposed well work fails to protect fresh water sources or supplies;
5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...”.

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON ETC.

[Signature] 10/1/14 [Name]
[By] [Its]

FOR EXECUTION BY A CORPORATION,

[Signature] [Received Office of Oil & Gas]
[Date] [OCT 06 2014]
INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 “Request by Coal Operator, Owner, or Lessee for plugging” prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: ___________________

By: ___________________

Its Designated agent
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil __/ Gas X__/ Liquid injection ___/ Waste disposal ___/
   (If "Gas, Production X" or Underground storage ___) Deep ___/ Shallow X

5) Location: Elevation 928
   District Grant
   Watershed Middle Island Creek
   County Doddridge
   Quadrangle Smithsburg

6) Well Operator Flo-Dak, Inc.
   Address 304 Stewart St.
   West Union, WV 26456

7) Designated Agent Dennis Powell
   Address 304 Stewart St.
   West Union, WV 26456

8) Oil and Gas Inspector to be notified
   Name Douglas Newlon
   Address 4060 Dutchman Road
   McFarlan, WV 26148

9) Plugging Contractor
   Name Hydrocarbon Well Services, Inc.
   Address PO Box 995
   Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

See attachment for details and procedures.

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector [Signature] Date 10/16/14
PLUGGING PROGNOSIS

Flodak #3
Doddridge County
API #47-017-04579
Smithburg Quad

CURRENT STATUS:
6 5/8" csg @ 630' (105 sks cement)
4 1/2" csg @2453' (95 sks cement)

TD @ 2500'
Elevation @ 928'

5th Sand: 2370' to 2376'
Inj: 1725' to 1738'
Big Lime: 1624'

1.) Notify state inspector, Douglas Newlon @ 304-932-8049, 24 hours prior to beginning work.
2.) MIRU, pull rods and tubing. Check TD of 4 1/2" @ 2500'. TIH and set 224' plug @ 2500' to 2276'.
3.) TOOH w/tbg, WOC and check plug. TIH w/tbg; gel hole @ 2276' to 1786'. Set 212' plug @ 1786' to 1574'.
4.) If 4 1/2" is 40' long, Rig Down and move off. Take ground to elevation. MIRU and Free point 4 1/2".
5.) TOOH w/tbg, WOC and check plug. Free point 4 1/2" csg and TOOH w/4 1/2". Perf all gas shows below
6.) free point and set 100' plug, 50' above and 50' below.
7.) TIH w/tbg, WOC and check plug. TIH and gel hole up to 970'. Set 100' plug @ 970' to 870'.
8.) TOOH w/tbg, WOC, check plug. TIH w/tbg. Gel hole @ 870' to 650'. Set 100' plug from 650' to 550',
9.) bottom of 6 5/8".
10.) TOOH w/tbg, WOC and check plug. TIH w/tbg; gel hole @ 550' to 300'. Set 300' plug from 330' to 0'.
11.) Top off as needed.
12.) Set Monument to WV-DEP Specifications. W/ API #
13.) Reclamation will not be necessary per C300 for proposed grading (attached)

10/17/2014
ATTN: Gene Smith  
Department of Environmental Protection  
601 57th St. SE, Charleston, WV 25304  

Dear Mr. Smith:  

Please find the enclosed updated plugging prognosis for the Floadak #3 well location in Doddridge County, API 017-04579. After speaking with inspector Doug Newlon, he recommended we make this edit and it be attached to the plugging permit that you have.  

The change is to provide an option for us to rig down and move off location after setting our bottom plug. The reason for the option is that the location is too small for our larger rig that can handle 40' 4 ½". Therefore, if we find that the well has 40' in it, our smaller rig will need to move off location and the hill taken to grade so we can fit a larger rig.  

Markwest is in great need to get this well plugged and these options will result in the safest outcome depending on what is down hole. Thank you for the help.

Very truly yours,

Brian M. Jarvis, Esq.
State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Dennis H. & Mellie Powell  
Operator Well No.: Flo-Dak #3

LOCATION: 
- Elevation: 920' 
- Quadrangle: Smithburg 7.5'

District: Grant  
County: Doddridge

Latitude: 39 Deg. 17 Min.  
Longitude: 80 Deg. 40 Min.

Company: Flo-Dak Inc.  
Address: 302 Stuart St. West Union WV 26456

Agent: Adolf Kronemer
Inspector: Mike Underwood

Date Permit Issued: 04/20/2001  
Date Well Work Commenced: 04/25/01  
Date Well Work Completed: 05/01/01

Verbal Plugging: 
- 4 1/2  
- 2500  
- 2453  
- 95 sks

RECEIVED  
Office of Oil & Gas  
JAN 1 0 2010  
WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation 5th Sand  
Pay zone depth (ft) 2368-2378 ft.
Gas: Initial open show 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 350# psig (surface pressure) after 48 Hours

Second producing formation Injus Sand  
Pay zone depth (ft) 1720-1738 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

* = commingled zones

NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS.

Signed:  
By:  
Date:  

10/17/2014
Flo-Dak #3
47-017-04579

Stage #1

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<tr>
<th>5th Sand</th>
<th>perfs</th>
<th>sand</th>
<th>avg rate</th>
<th>isip</th>
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<tbody>
<tr>
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<td>330 sks</td>
<td>28 bpm</td>
<td>1147#</td>
<td></td>
</tr>
<tr>
<td>10 holes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Injun | 1725-1738 | 350 sks | 28 bpm | 1450# |
|       | 12 holes  |        |        |      |

Drillers Log

| Sh | 0 | 20 |
| Sd/Sh | 20 | 435 |
| Sd  | 435 | 650 |
| Sd/Sh | 650 | 1050 |
| Sd  | 1050 | 1270 |
| Sd/Sh | 1270 | 1624 |
| B. Lime | 1624 | 1690 |
| B. Injun | 1690 | 1800 |
| Sd/Sh | 1800 | 2368 |
| 5th Sand | 2368 | 2378 |
| Sd/Sh | 2378 | 2500 |
| T.D. | 2500 | Gas @ T.D. = odor |

Electric Log Tops

| Big Lime | 1624 ft. |
| 5th Sand | 2368 ft. |

Received
Office of Oil & Gas
OCT 06 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 Name: Flo-Dak, Inc.
Watershed: Middle Island Creek

Elevation: 928
Quadrangle: Smithburg
County: Doddridge
District: Grant

Description of anticipated Pit Waste: Plugging

Will a synthetic liner be used in the pit? No

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

Proposed Work For Which Pit Will Be Used:
- Drilling
- Workover
- X Swabbing
- Other (Explain)

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: Flo-Dak, Inc.
Company Official (Typed Name): Chante A. Davis
Company Official Title: Designated Agent

Subscribed and sworn before me this 1 day of October, 2014.
Chante A. Davis

Notary Public, Received

My commission expires Nov. 8, 2020

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CHANTE A. DAVIS
West Union Bank
105 E. Main Street
West Union, West Virginia 26456
My Commission Expires Nov. 8, 2020

10/17/2014
Proposed Revegetation Treatment: Acres Disturbed  N/A  Prevegetation pH  N/A

Line  N/A  Tons/acre or to correct to pH  N/A

Fertilizer (10-20-20 or equivalent)  N/A  lbs/acre (500 lbs minimum)

Mulch  N/A  Tons/acre

Seed Mixtures

<table>
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<tr>
<th>Seed Type</th>
<th>Area I</th>
<th>lbs/acre</th>
<th>Seed Type</th>
<th>Area II</th>
<th>lbs/acre</th>
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<tbody>
<tr>
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<td></td>
<td></td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: Gas well is part of the Sherwood project and revegetation is addressed in the overall Sediment Control Plan narrative that was approved by West Virginia DEP.

Title: Oil & Gas Inspector  Date: 10-7-2014

Field Reviewed? ( ) Yes  ( ) No
West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 17-04579
WELL NO.: Flodak #3

FARM NAME: Powell, Dennis

RESPONSIBLE PARTY NAME: Powell, Dennis

COUNTY: Doddridge
DISTRICT: Grant

QUADRANGLE: Smithsburg, WV

SURFACE OWNER: Powell, Dennis

ROYALTY OWNER: Powell, Dennis

UTM GPS NORTING: 4347385.2

UTM GPS EASTING: 527084.5
GEO COORDINATE: 278.89

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:
   a. Survey grade GPS X : Post Processed Differential X
   b. Real-Time Differential
4. Letter size copy of the topography map showing the well location.

I, the undersigned, hereby certify this data 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 Office of Oil and Gas.

Signature
Title
Date

Office of Oil & Gas
Received
10/7/2014

10/17/2014
October 4, 2014

Chief, Office of Oil and Gas  
ATTN: Plugging and Abandonment  
Department of Environmental Protection  
601 57th St. SE, Charleston, WV 25304

Dear Chief Martin:

Please find enclosed the corrected permit application for plugging Flodak #3; API 47-017-04579 in Doddridge County. This permit was originally rejected because the DEP office discovered that MarkWest did not own the well nor could operate the well.

Therefore, Dennis Powell, the well owner who sold the surface to MarkWest is still the owner of the well. He executed the enclosed documents to plug the well. This matter has gotten more urgent due to this delay caused by confusion. If there is anything DEP can do to get this permit completed as quickly as possible it would be greatly appreciated.

Thank you,

Brian M. Jarvis  
President