July 02, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5101477, issued to TRANS ENERGY, 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: LUCEY 2H
Farm Name: LUCEY, JACK D. & SHARON L.
API Well Number: 47-5101477
Permit Type: Plugging
Date Issued: 07/02/2014

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

1) Date May 28, 2014
2) Operator’s Well No. Lucey 2H
3) API Well No. 11-64

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

5) Location: Elevation 1296’
   District Cameron
   Watershed Burch Run of Grave Creek
   County Marshall
   Quadrangle Cameron

   Address P.O. Box 393
   St. Marys, WV 26170

7) Designated Agent Loren E. Bagley
   Address P.O. Box 393
   St. Marys, WV 26170

8) Oil and Gas Inspector to be notified
   Name James Nicholson
   Address P.O. Box 44
   Moundsville, WV 26041

9) Plugging Contractor
   Name Yost Drilling
   Address 313 Steel Hill Rd.
   Mt. Morris, PA 15349

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

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

Work order approved by inspector

07/04/2014
Work Order: Plugging

Well Name: Lucey 2H, Permit #: 47-051-01477
Marshall Co., West Virginia

TVD: 6,786'
TMD: 10,145'

Coal Depth: 876'
Fresh Water: 60-150'

Top of Marcellus: 6,779'

Current Status: Pipe in the hole:
26" pipe: 80' in well, CTS
16" pipe: 1,038' in well, CTS
13-3/8" pipe: 1,300' in well CTS
9-5/8" pipe: 3,018' in well CTS
5-1/2" pipe: 10,200' in well CTS

1. RU Service Rig, clean hole.
2. Run 2 3/8' upset tubing, check condition.
3. Fill the lateral section of pipe (5-1/2" casing) with fresh water.
4. Set a CIBP @ 6,775'
5. Fill with 700' cement plug above 6,775'
6. Set a 200' cement plug @ 2,920'
7. Set a 200' cement plug @ 1,200'
8. Set a 200' plug at 976'
9. Set a 200' plug at 776'
10. 6% Gel will be run between the plugs
11. Cement remaining hole to surface.
12. Install a monument as per WV DEP specifications with Trans Energy, Inc.: API 47-051-01477
Well Operator's Report of Well Work

Company: TRANS ENERGY, INC.
Address: P.O. Box 393
St. Marys, WV 26170
Agent: Loren Bagley
Inspector: Derek Haught
Date Permit issued: 6/22/2011
Date Well Work commenced: 8/20/2011
Date Well Work completed: 10/25/2011
Verbal Plugging: N/A
Date Permission Granted On: N/A
Drill Type: X Rotary, Cable, Rig
Total Vertical Depth (ft.): 6,786
Total Measured Depth (ft.): 10,145
Is coal being mined in area (Y/N): Y
Coal Depths (ft.): 276
Void(s) Encountered (Y/N): N

OPEN FLOW DATA
PAY ZONE DEPTH (FT.): 6,779
GAS:
INITIAL OPEN FLOW: 4,400 MCF/d
FINAL OPEN FLOW: MCF/d
TELEVISION OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS:
Static Rock Pressure: 8,550 psi (surface pressure) after __ HOURS

2ND PRODUCING FORMATION:
PAY ZONE DEPTH (FT.): 
GAS:
INITIAL OPEN FLOW: MCF/d
FINAL OPEN FLOW: MCF/d
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS:
Static Rock Pressure: psi (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.

Company Name: TRANS ENERGY, INC
Signature: [Signature]
Name (Printed): Bill Woodburn
Date: 11/5/12

TRANS ENERGY, INC.

Officer of Oil and Gas
WV Dept. of Environmental Protection
WELL NAME: LUCY 2H

Were core samples taken? Yes X No

Were logs recorded on this well? Y/N 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 STRATIGRAPHIC LAYERS INCLUDING COAL ENCOUNTERED BY THE WELLSBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing or Stimulating:

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<tr>
<th>Stage</th>
<th>Depth Range</th>
<th>Holes</th>
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<tbody>
<tr>
<td>1</td>
<td>10,088 to 9,921</td>
<td>98</td>
</tr>
<tr>
<td>2</td>
<td>9,882 to 9,706</td>
<td>41</td>
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<tr>
<td>3</td>
<td>9,656 to 9,406</td>
<td>41</td>
</tr>
<tr>
<td>4</td>
<td>9,446 to 9,276</td>
<td>41</td>
</tr>
<tr>
<td>5</td>
<td>9,211 to 9,046</td>
<td>41</td>
</tr>
<tr>
<td>6</td>
<td>8,995 to 8,836</td>
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<tr>
<td>7</td>
<td>8,771 to 8,611</td>
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<td>8</td>
<td>8,551 to 8,381</td>
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<td>9</td>
<td>8,311 to 8,121</td>
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<td>10</td>
<td>8,161 to 7,872</td>
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<tr>
<td>11</td>
<td>7,818 to 7,572</td>
<td>41</td>
</tr>
<tr>
<td>12</td>
<td>7,484 to 7,341</td>
<td>26</td>
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</table>

<table>
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<tr>
<th>FORMATION ENCOUNTERED</th>
<th>TOP DEPTH (FT.)</th>
<th>BOTTOM DEPTH (FT.)</th>
<th>NOTE</th>
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<tbody>
<tr>
<td>Surface Casing</td>
<td>3,018</td>
<td>3,018</td>
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<tr>
<td>Gordon</td>
<td>Not logged.</td>
<td>Not logged.</td>
<td></td>
</tr>
<tr>
<td>Upper Devonian Shale</td>
<td>Not logged.</td>
<td>6,542</td>
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<tr>
<td>Middlesex</td>
<td>6,552</td>
<td>6,605</td>
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<tr>
<td>Burket Shale</td>
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<tr>
<td>Tully Limestone</td>
<td>6,552</td>
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<tr>
<td>Upper Hamilton Group</td>
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<tr>
<td>Marcellus Shale</td>
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<tr>
<td>Onondaga Limestone</td>
<td>6,830</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>KOP 6,200'</td>
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</table>

TRANS ENERGY INC.
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
   Jack D. Lucey
   Address
   RD 1, Box 94A
   Glen Easton, WV 26039

5) a) Coal Operator
   Name
   Murray Energy Corp.
   Address
   46228 National Road W.
   St. Clairsville, OH 43950

b) Coal Owner(s) with Declaration
   Name
   Address

(c) Name
   Address

6) Inspector
   Name
   James Nicholson
   Address
   P.O. Box 44
   Moundsville, WV 26041
   Telephone
   304-552-3874

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 site 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
Trans Energy, Inc.
Leslie A. Gearhart
Vice President of Operations
P.O. Box 393
St. Marys, WV 26170
304-684-7053

Received
Office of Oil and Gas

Subscribed and sworn before me this 29 day of May 2014
Notary Public

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.
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<th>Description</th>
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<tr>
<td>Certified Fee</td>
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<tr>
<td>Return Receipt Fee (Endorsement Required)</td>
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<tr>
<td>Restricted Delivery Fee (Endorsement Required)</td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>Total Postage &amp; Fees</strong></td>
<td><strong>$17.61</strong></td>
</tr>
</tbody>
</table>
Notice is hereby given:
Pursuant to West Virginia Code 22-6A prior to filing an application for a permit to plug a horizontal well the applicant shall publish in the county in which the well is located a Class II legal advertisement.

Paper: Moundsville Echo Newspaper

Public Notice Date: May 20, 27, 2014

The following applicant intends to apply for a horizontal natural gas well plugging permit for two (2) wells on an existing pad located in Marshall County.

Applicant: Trans Energy, Inc.  
Well Number: Lucey 1H, 2H

Address: P.O. Box 393, St. Marys, WV 26170

Business Conducted: Plug a horizontal natural gas well.

Location –

State: West Virginia  
County: Marshall

District: Cameron  
Quadranle: Cameron

✓ UTM Coordinate NAD83 Northing: 441148.70 for Lucey 1H; 4411148.79 for Lucey 2H
✓ UTM coordinate NAD83 Easting: 532291.75 for Lucey 1H; 532287.33 for Lucey 2H

Coordinate Conversion:
To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/tutm_conus.php

Electronic notification:
To receive an email when applications have been received or issued by the Office of Oil and Gas, visit http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx to sign up.

Reviewing Applications:
Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost $15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.oog@wv.gov.

Submitting Comments:
Comments may be submitted online at https://apps.dep.wv.gov/oog/comments/comments.cfm, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx.
STATE OF WEST VIRGINIA,
COUNTY OF MARSHALL, to wit

I, Melanie S. Murdock, being first duly sworn upon my oath, do deposes and say:

1. that I am Legal Advertising Manager of the MOUNDSVILLE DAILY ECHO, a Republican newspaper;
2. that I have been duly authorized to execute this affidavit;
3. that such newspaper has been published for over 119 years, is regularly published afternoons daily except Saturdays and Sundays, for at least fifty weeks during the calendar year, in the municipality of Moundsville, Marshall County, West Virginia;
4. that such newspaper is a newspaper of “general circulation” as defined in Art. 3, Chap. 59 of the Code of West Virginia 1931 as amended, within Moundsville and Marshall County;
5. that such newspaper averages in length four or more pages, exclusive of any cover, per issue;
6. that such newspaper is circulated to the general public at a definite price or consideration;
7. that such newspaper is a newspaper to which the general public resorts for passing events of a political, religious, commercial and social nature and for current happenings, announcements, miscellaneous reading matters, advertisements and other notices;
8. and that the annexed notice described as follows:

Legal Advertisement

PARTY(ies)

Gas Well Plugging Permit / Lucey 1H, 2H

NATURE (and agency if heard before one)

CERTIF-BILL TO

Trans Energy, Inc.
Debra Martin
P.O. Box 393
St. Mary's, WV 26170

WAS PUBLISHED IN SAID NEWSPAPER AS FOLLOWS

<table>
<thead>
<tr>
<th>Times</th>
<th>Dates</th>
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<tbody>
<tr>
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<td>May 20, 27, 2014</td>
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BY WORDS

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<th>PUBLICATION CHARGES</th>
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</thead>
<tbody>
<tr>
<td>.482</td>
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<td>$96.98</td>
</tr>
</tbody>
</table>

(signed) Melanie S. Murdock

RECEIVED
Office of Oil and Gas

JUN 2 2014

Environmental Protection

 takeaway
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: Trans Energy, Inc. 
OP Code: 494481575

Watershed: Burch Run of Grave Creek
Quadrangle: Cameron

Elevation: 1296' 
County: Marshall
District: Cameron

Description of anticipated Pit Waste: No pits

Will a synthetic liner be used in the pit? N/A

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

Proposed Work For Which Pit Will Be Used:
- Drilling
- Workover
- Other (Explain ) No pits will be used

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: Leslie A. Gearhart

Company Official (Typed Name): Leslie A. Gearhart

Company Official Title: Vice President of Operations

Subscribed and sworn before me this 29 day of May, 2014

Catharine L. Casci

My commission expires 8-15-21

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Terry Casci
Trans Energy Inc.
210 Second Street
St. Marys, WV 26170
My Commission Expires August 14, 2021

RECEIVED
Office of Oil and Gas

JUL 9 2014
Proposed Revegetation Treatment: Acres Disturbed \( +/- 3 \) acres \( \checkmark \) Prevegetation pH

- Lime 2 Tons/acre or to correct to pH 6.5
- Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)
- Mulch 90 Bales Tons/acre

Seed Mixtures

<table>
<thead>
<tr>
<th>Seed Type</th>
<th>Area I</th>
<th>Area II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meadow Mix</td>
<td>100 lbs/acre</td>
<td>100 lbs/acre</td>
</tr>
<tr>
<td>Oats or Rye</td>
<td>50 lbs/acre</td>
<td>50 lbs/acre</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: \( \checkmark \)

Comments:

---

Title: Environmental Inspector
Date: 6-27-11

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

API: 47-051-01477  
WELL NO.: 2H  

FARM NAME: Lucey  

RESPONSIBLE PARTY NAME: Jack Lucey  

COUNTY: Marshall  
DISTRICT: Cameron  

QUADRANGLE: Cameron  

SURFACE OWNER: Jack D. & Sharon L. Lucey  
ROYALTY OWNER: Jack D. & Sharon L. Lucey  

UTM GPS NORTHING: 4411149.79  
UTM GPS EASTING: 532287.33  
GPS ELEVATION: 1296'  

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:  
   Survey grade GPS ____: Post Processed Differential ____  
      Real-Time Differential ____  
   Mapping Grade GPS ____: Post Processed Differential ____  
      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  
VP Operations  

Date  
07/04/2014
May 29, 2014

Gene Smith
WV DEP
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304-2345

RE: Plugging Lucey 1H, 2H
47-051-01382, 47-051-01477

Dear Gene:

Enclosed are the Plugging Permits for the Lucey 1H and 2H that we had previously discussed. I have verified that all the pipe was cemented to surface. We plan to put them back in production in 2016.

Please review and let me know if you have any questions or changes.

Sincerely,

[Signature]

Leslie A. Gearhart
VP Operations

Enc.