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**west virginia** department of environmental protection

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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](http://www.dep.wv.gov)

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.**

**07/04/2014**

## 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

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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.

1) Date May 28, 2014  
2) Operator's  
Well No. Lucey 2H  
3) API Well No. 47-051 - 01477

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 1296' Watershed Burch Run of Grave Creek  
District Cameron County Marshall Quadrangle Cameron 213

6) Well Operator Trans Energy, Inc. 7) Designated Agent Loren E. Bagley  
Address P.O. Box 393 Address P.O. Box 393  
St. Marys, WV 26170 St. Marys, WV 26170

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name James Nicholson Name Yost Drilling  
Address P.O. Box 44 Address 313 Steel Hill Rd.  
Moundsville, WV 26041 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 J W M

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WV Department of  
Environmental Protection

5/28/2014

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

OK gnm

07/04/2014



WR-35  
Rev (8-10)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 11/05/12  
Resubmitted of 4/17/12 report.  
API#: 47-051-01477

Farm name: Lukey  
LOCATION: Elevation: 1296'  
District: Cameron

Operator Well No.: 2H  
Quadrangle: Cameron  
County: Marshall

Latitude: 9.145' Feet South of 39 Deg. 52 Min. 30 Sec.  
Longitude: 10.780 Feet West of 80 Deg. 35 Min. 00 Sec.

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

Casing Tubing diameter	Used in Drilling	Left in Well	Cement FRI
26	80	80	Surface
16	1038	1038	Surface
13 3/8	1300	1300	500'
9 5/8	3018	3018	Surface
5.5		10,200	Surface

Drill Type:  Rotary  Cable  Rig  
Total Vertical Depth (ft.): 6,786  
Total Measured Depth (ft.): 10,145  
Is coal being mined in area (N/Y)? Y  
Coal Depths (ft.): 876  
Void(s) Encountered (N/Y)? N Depth:

OPEN FLOW DATA

1ST PRODUCING FORMATION: MARCELLUS PAY ZONE DEPTH (FT.): 6,779

GAS: INITIAL OPEN FLOW: 4,400 MCF/d  
FINAL OPEN FLOW:          MCF/d  
OIL: INITIAL OPEN FLOW: 32.0 Bbl/d  
FINAL OPEN FLOW:          Bbl/d  
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS:          HOURS  
Static Rock Pressure: 3,550 psig (surface pressure) after          HOURS

2ND PRODUCING FORMATION:          PAY ZONE DEPTH (FT.):         

GAS: INITIAL OPEN FLOW:          MCF/d  
FINAL OPEN FLOW:          MCF/d  
OIL: INITIAL OPEN FLOW:          Bbl/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.

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

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WV Dept. of Environmental Protection



WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
 2) Operator's Well Number  
 Lucey 2H  
 3) API Well No.: 47 - 051 - 01477

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


<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Jack D. Lucey</u> ✓                  Address <u>RD 1, Box 94A</u>  <u>Glen Easton, WV 26039</u></p> <p>(b) Name _____                  Address _____</p> <p>(c) Name _____                  Address _____</p> <p>6) Inspector <u>James Nicholson</u>                  Address <u>P.O. Box 44</u>  <u>Moundsville, WV 26041</u>                  Telephone <u>304-552-3874</u></p>	<p>5) (a) Coal Operator _____ ✓</p> <p>Name <u>Murray Energy Corp.</u>                  Address <u>46226 National Road W.</u>  <u>St. Clairsville, OH 43950</u></p> <p>(b) Coal Owner(s) with Declaration                  Name _____                  Address _____</p> <p>(c) Coal Lessee with Declaration                  Name _____                  Address _____</p>
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**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 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 reverses 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.

 <p>OFFICIAL SEAL                  STATE OF WEST VIRGINIA                  NOTARY PUBLIC                  Carina L. Card                  Trans Energy Inc                  210 Second Street                  St Marys, WV 26170                  My Commission Expires August 15, 2021</p>	Well Operator	<u>Trans Energy, Inc.</u>
	Name:	<u>Leslie A. Gearhart</u> <i>Leslie A. Gearhart</i>
	Title:	<u>Vice President of Operations</u>
	Address	<u>P.O. Box 393</u> <u>St. Marys, WV 26170</u>
	Telephone	<u>304-684-7053</u>

Subscribed and sworn before me this 29 day of May 2014  
Carina L. Card Notary Public  
 My Commission Expires 8-15-21

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**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](mailto:depprivacyofficer@wv.gov).

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 05/29/2014 USPS

Sent to  
 Street, Apt. or PO Box  
 City, State.

PS Form 3800, June 2013

Jack D. Lucey  
 RD 1 Box 94A  
 Glen Easton, WV 26039

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<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>57.61</b>

Postmark Here  
 MAY 29 2014  
 WAYS WV 2  
 05/29/2014 USPS

Sent to  
 Street, Apt. or PO Box  
 City, State.

PS Form 3800, June 2013

Murray Energy Corp.  
 46226 National Rd W.  
 St. Clairsville, OH 43950  
 Attn: Alex O'Neil

4705101477



**Horizontal Natural Gas Well Plugging Permit  
Application Notice by Publication**

**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 Quadrangle: Cameron

✓ UTM Coordinate NAD83 Northing: 4411148.70 for Lucey 1H; 4411149.79 for Lucey 2H

✓ UTM coordinate NAD83 Easting: 532291.75 for Lucey 1H; 532287.33 for Lucey 2H

Watershed: \_\_\_\_\_

**Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: [http://tagis.dep.wv.gov/convert/llutm\\_conus.php](http://tagis.dep.wv.gov/convert/llutm_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 57<sup>th</sup> 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](mailto: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 57<sup>th</sup> 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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

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(304) 845-2680  
P.O. BOX 369  
MOUNDSVILLE  
WEST VIRGINIA  
26041

AFFIDAVIT OF PUBLICATION

STATE OF WEST VIRGINIA,  
COUNTY OF MARSHALL, to wit

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

- that I am Legal Advertising Manager of the MOUNDSVILLE DAILY ECHO, a Republican newspaper;
- that I have been duly authorized to execute this affidavit;
- 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.
- 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;
- that such newspaper averages in length four or more pages, exclusive of any cover, per issue;
- that such newspaper is circulated to the general public at a definite price or consideration;
- 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;
- 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

Times	Dates
2	May 20, 27, 2014

BY WORDS 482	PUBLICATION CHARGES \$96.98
-----------------	--------------------------------

(signed) Melanie S. Murdock

NOTARIZATION

Taken, sworn and subscribed before me this 28th  
day of May 2014

Amy McElvishy  
Notary Public

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OFFICE 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 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  Swabbing
- Workover  Plugging
- 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, 20 14

Carina L. Card Notary Public

My commission expires 8-15-21

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Office of Oil and Gas

JUN 09 2014

OFFICIAL SEAL  
STATE OF WEST VIRGINIA  
NOTARY PUBLIC  
Carina L. Card  
Trans Energy Inc  
210 Second Street  
St Marys, WV 26170  
My Commission Expires August 15 2021

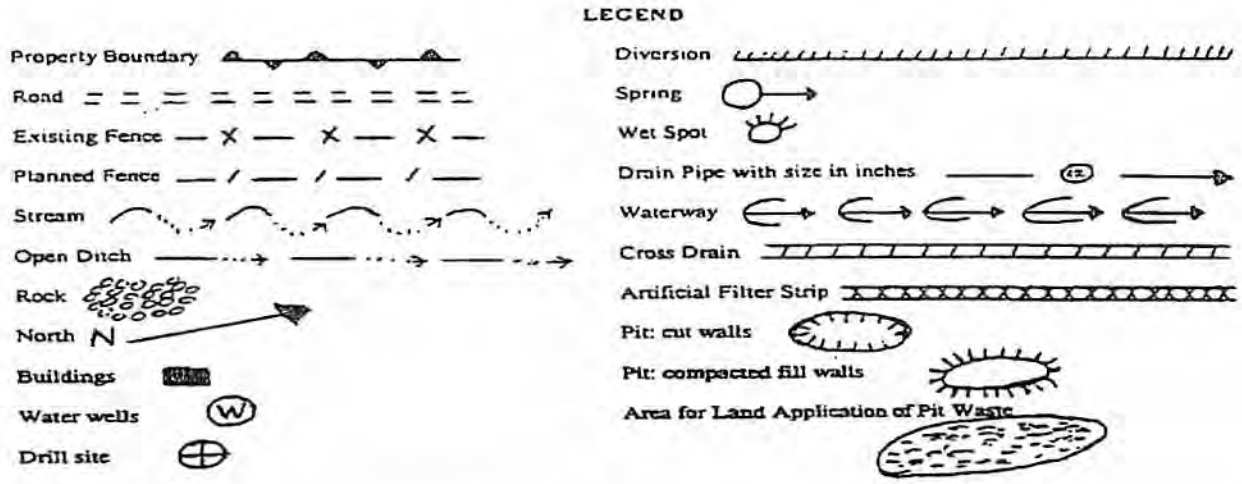
Department of Environmental Protection

07/04/2014



51-01477H

Operator's Well No. Lucey 2H



Proposed Revegetation Treatment: Acres Disturbed +/- 3 acres ✓ 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

Seed Type	Area I		Area II	
	Seed Type	lbs/acre	Seed Type	lbs/acre
Meadow Mix	Meadow Mix	100	Meadow Mix	100
Oats or Rye	Oats or Rye	50	Oats or Rye	50

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

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Plan Approved by:

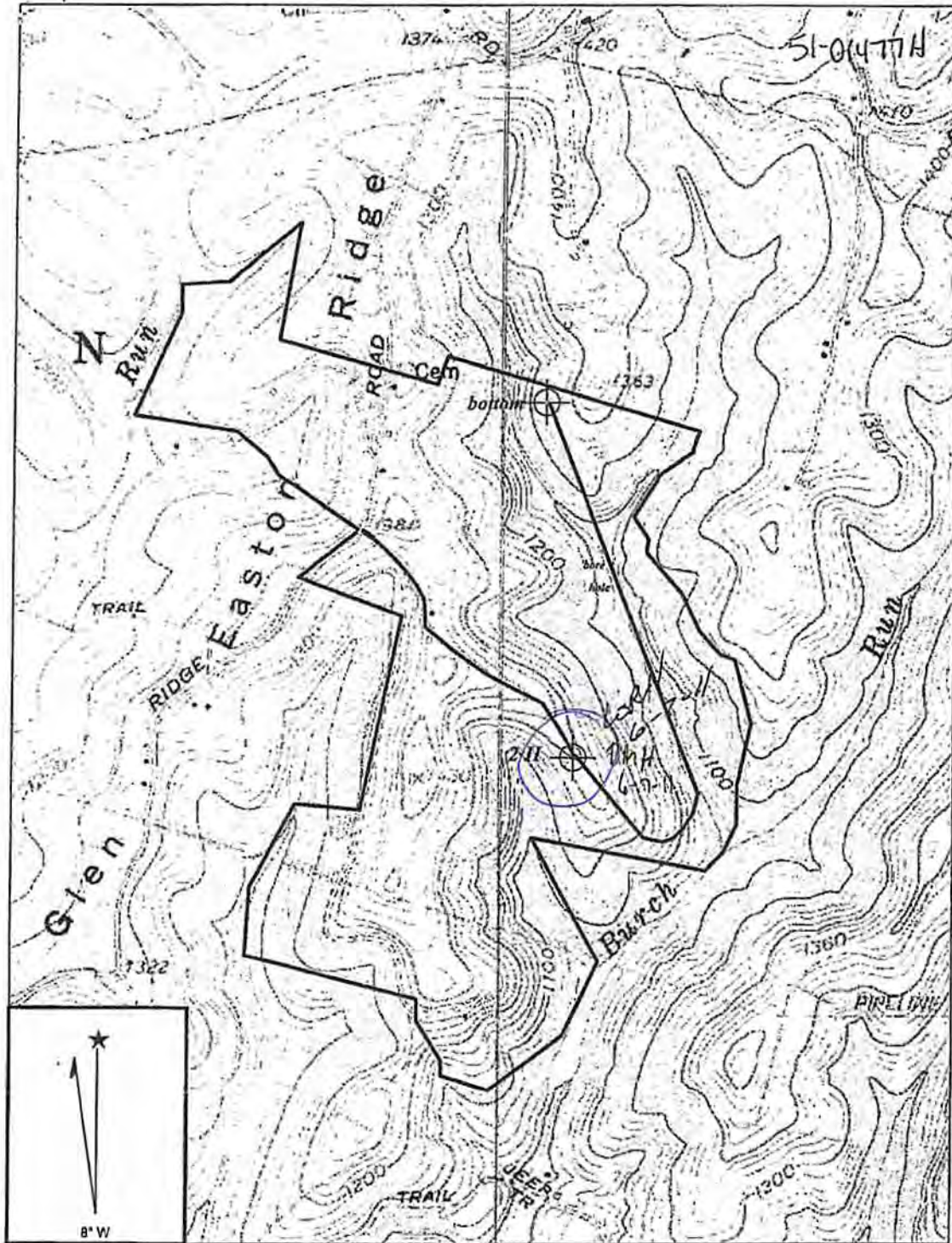
Comments: \_\_\_\_\_

Title: Environmental Inspector Date: 6-7-11

Field Reviewed?  Yes  No

OK  
gma  
6/26/14





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**CAMERON QUADRANGLE**

SCALE 1" = 1000'

**TRANS ENERGY, INC.**

WELL: LUCEY 2H  
JACK D. LUCEY 412.367 ACRE LEASE

CAMERON DISTRICT    MARSHALL COUNTY    WEST VIRGINIA

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JUN - 3 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

07/04/2014

WW-7  
8-30-06



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:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
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  
Title

6-3-14  
Date

Received

JUN -3 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

07/04/2014





May 29, 2014

Gene Smith  
WV DEP  
Office of Oil and Gas  
601 57<sup>th</sup> 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,



Leslie A. Gearhart  
VP Operations

Enc.

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