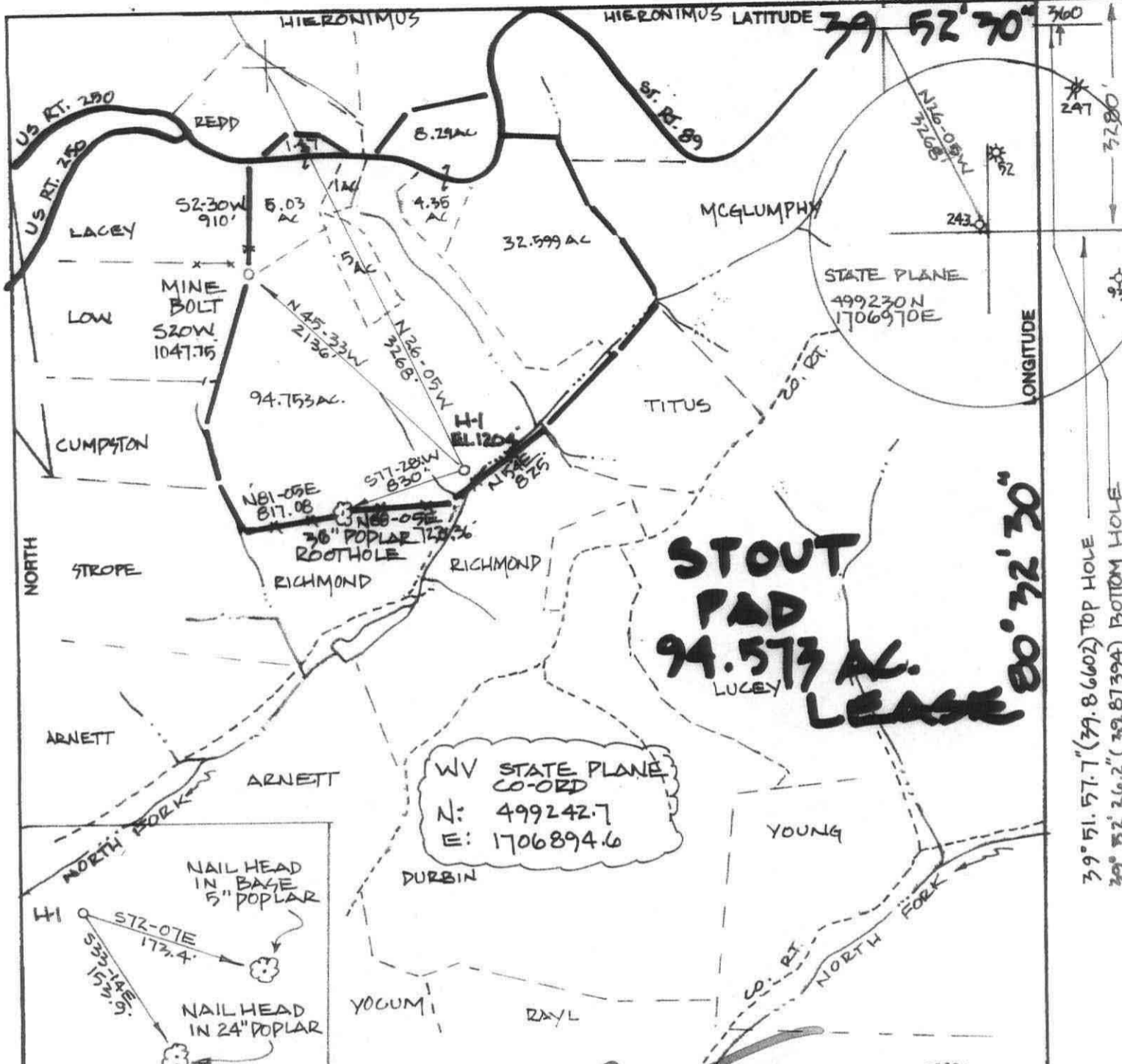


51-01463-H  
TRANS ENERGY, INC.

STOUT 1H

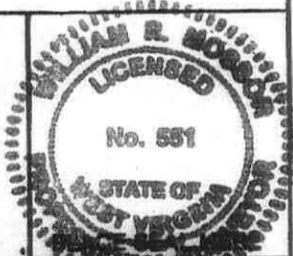
80° 32' 39.1 (80.54421) TOP HOLE  
 80° 32' 57.5 (80.54931) BOTTOM HOLE



39° 51' 57.7" (39.86602) TOP HOLE  
 39° 52' 26.2" (39.87394) BOTTOM HOLE

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION GPS OBSERVATION

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 AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
 (SIGNATURE)  
 R.P.E. \_\_\_\_\_ P.S. 55



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 DIVISION OF OIL AND GAS



DATE OCTOBER 26, 2009  
 OPERATOR'S WELL NO. STOUT HI  
 AP WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1204' WATER SHED NORTH FORK GRAVE CREEK  
 DISTRICT CAMBERN COUNTY MARSHALL  
 QUADRANGLE CAMBERN  
 SURFACE OWNER CONSUMERS COAL COMPANY ACREAGE 1/2-95  
 OIL & GAS ROYALT. CONSUMERS COAL COMPANY LEASE AC. 1/2-95  
 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 MARCELLUS SHALE ESTIMATED DEPTH 27500  
 WELL OPERATOR TRANS ENERGY DESIGNATED AGENT LORON BAGLEY  
 ADDRESS P.O. BOX 302 ST. MARYS, WV 26170 ADDRESS P.O. BOX 302 ST. MARYS, WV 26170

FORM WW-6

COUNTY NAME PERMIT



---

**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 15, 2013

**FINAL INSPECTION REPORT**

**Horizontal Well Permit Cancelled**

TRANS ENERGY, INC.,

The FINAL INSPECTION REPORT for the CANCELLED permit, API Well Number: 47-5101463, issued to TRANS ENERGY, INC., and listed below has been received in this office. The permit has been cancelled as of 8/7/2013.

James Martin  
Chief

Operator: TRANS ENERGY, INC.  
Operator's Well No: STOUT 1H  
Farm Name: CONRHEIN COAL COMPANY  
**API Well Number: 47-5101463**  
Date Issued: 05/17/2011

Date Cancelled: 08/07/2013

**Promoting a healthy environment.**

*Cancel*

INSPECTORS PERMIT SUMMARY FORM

*Permit*

GPS YES [ ] NO [ ]

DATE STARTED/LOCATION: \_\_\_\_\_ OPERATOR: TRANS ENERGY, INC.  
 DRILLING COMMENCED: \_\_\_\_\_ FARM: CONRHEIN COAL COMPANY  
 TO DATE: \_\_\_\_\_ DEPTHS: \_\_\_\_\_ Well No: STOUT 1H  
 WATER DEPTHS: \_\_\_\_\_ COAL DEPTHS \_\_\_\_\_

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATIONS 35CSR 4-12.1 AND 35CSR 4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT.

POINTS ARE TO BE GIVEN UP TO MAXIMUM AS SHOWN BASED ON PERFORMANCE.

1. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
  - A. CONSTRUCTION YES [ ] NO [ ] (2\_PTS) (4\_PTS) \_\_\_\_\_
  - B. DRILLING YES [ ] NO [ ] (2\_PTS)
2. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES [ ] NO [ ] (2\_PTS) (4\_PTS) \_\_\_\_\_
3. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES [ ] NO [ ] (4\_PTS) (4\_PTS) \_\_\_\_\_
4. CONSTRUCTIONS: WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
  - A. ROAD DITCHES (1)\_ (2)\_ (3)\_ (4)\_ (PTS) B. CROSS DRAINS (1)\_ (2)\_ (3)\_ (4)\_ (5)\_ (PTS)
  - C. CULVERTS (1)\_ (2)\_ (3)\_ (4)\_ (5)\_ (PTS) D. CREEK CROSSINGS (1)\_ (2)\_ (3)\_ (PTS)
  - E. DIVERSION DITCHES (1)\_ (2)\_ (3)\_ (PTS) F. BARRIERS (1)\_ (2)\_ (3)\_ (PTS)
  - G. TEMPORARY SEEDING YES [ ] NO [ ] (10\_PTS)

POINTS AVAILABLE FOR QUESTION 4: (33\_PTS) \_\_\_\_\_

5. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [ ] NO [ ] (2\_PTS) (2\_PTS) \_\_\_\_\_
6. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES [ ] NO [ ] (9\_PTS) (9\_PTS) \_\_\_\_\_
7. RECLAMATION:
  - A. ROADWAY (1)\_ (2)\_ (3)\_ (PTS) B. LOCATION (1)\_ (2)\_ (3)\_ (PTS)
  - C. PITS (1)\_ (2)\_ (3)\_ (PTS) D. PIPELINES (1)\_ (2)\_ (3)\_ (PTS)
  - E. TANK DIKES (1)\_ (2)\_ (3)\_ (PTS) F. API INSTALLED YES [ ] NO [ ] (3\_PTS)
  - G. ADEQUATE SEEDING MATERIALS (1)\_ (2)\_ (3)\_ (PTS)
  - H. WAS SEED BED ADEQUATE (1)\_ (2)\_ (3)\_ (PTS)

POINTS AVAILABLE FOR QUESTION 7: (24\_PTS) \_\_\_\_\_

8. WAS RECLAMATION COMPLETED WITHIN:
  - 6 MTHS OF TD 6\_PTS ONLY; 4 MTHS OF TD 12\_PTS ONLY; 2 MTHS OF TD 19\_PTS ONLY;

POINTS AVAILABLE FOR QUESTION 8: (19\_PTS) \_\_\_\_\_

**RECEIVED**

TOTAL MAXIMUM POSSIBLE POINTS: \_\_\_\_\_ Office of Oil & Gas

TOTAL RECLAMATION SCORE: \_\_\_\_\_

8-7-13  
DATE RELEASED

AUG 12 2013

*Bill Healy*  
INSPECTOR'S SIGNATURE



---

**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

May 17, 2011

**WELL WORK PERMIT**

**Horizontal Well**

This permit, API Well Number: 47-5101463, 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.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, 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: STOUT 1H  
Farm Name: CONRHEIN COAL COMPANY  
**API Well Number: 47-5101463**  
**Permit Type: Horizontal Well**  
Date Issued: 05/17/2011

**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.

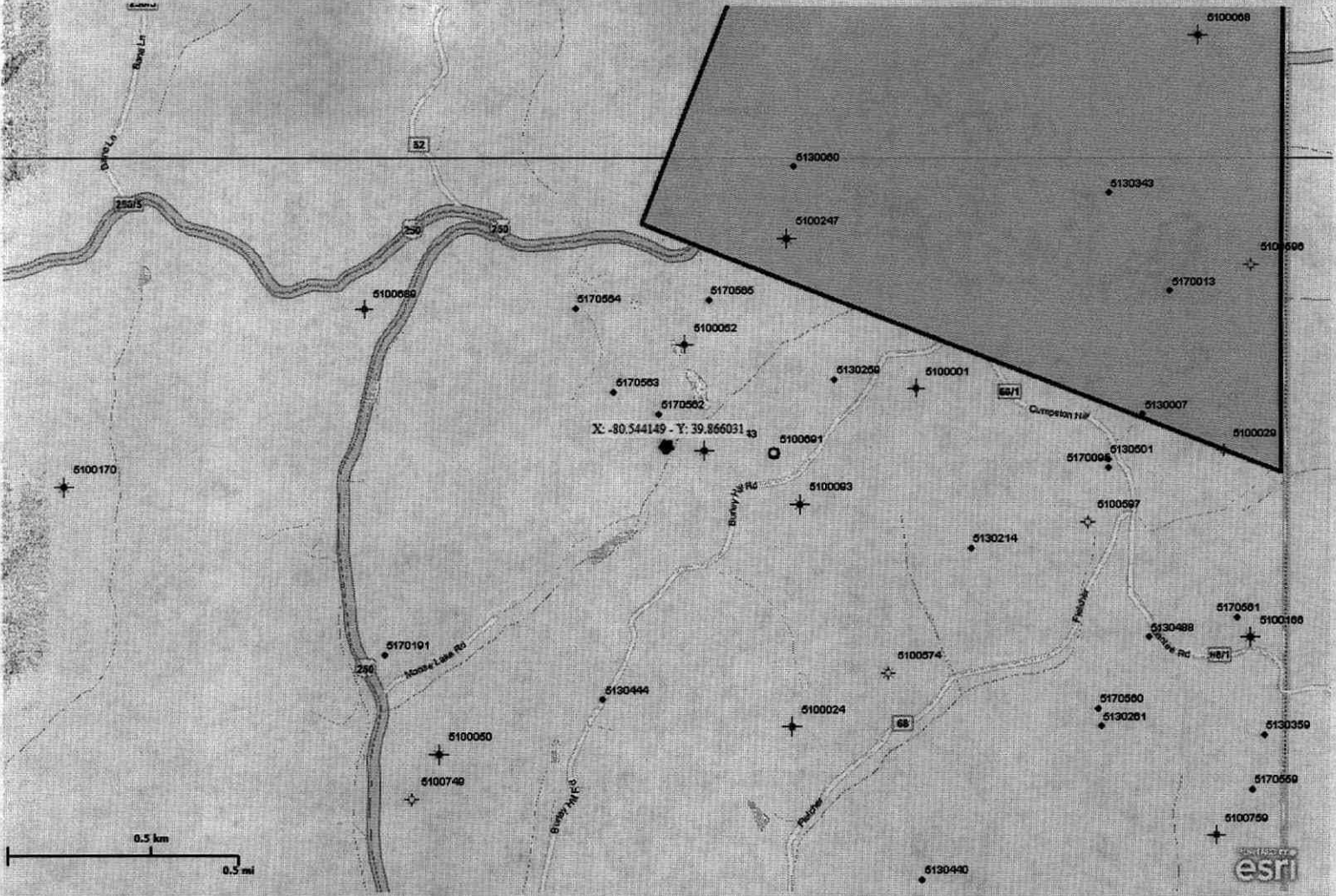
## CONDITIONS

---

1. 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.

# Map from a Flex Viewer application

Powered by ArcGIS



Copyright 2010 ESRI. All rights reserved. Printed on Wed Apr 27 2011 03:46:52 PM.

51-01463H

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator Trans Energy Inc. 51 1 278

494481575	Marshall	Cameron	Cameron
Operator ID	County	District	Quadrangle

2) Operator's Well Number: Stout 1H      3) Elevation: 1204 ✓

4) Well Type: (a) Oil \_\_\_\_\_ or Gas X \_\_\_\_\_  
 (b) If Gas: Production \_\_\_\_\_ / Underground Storage \_\_\_\_\_  
 Deep \_\_\_\_\_ / Shallow X \_\_\_\_\_

5) Proposed Target Formation(s): Marcellus Shale      Proposed Target Depth: 7100' TVD

6) Proposed Total Depth: 12,000 Feet      Formation at Proposed Total Depth: Marcellus

7) Approximate fresh water strata depths: 40-140

8) Approximate salt water depths: 1300

9) Approximate coal seam depths: 630' ✓

10) Approximate void depths, (coal, Karst, other): n/a

11) Does land contain coal seams tributary to active mine? Yes

12) Describe proposed well work in detail      Drill and complete Horizontal well in the Marcellus Shale.

**13) CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	16	J-55	75	60	60	To surface
Fresh Water	13 3/8	J-55	54.5	1160	1160	To surface ✓
Coal						
Intermediate	9 5/8	J-55	36	2,330	2,300	To surface
Production	5 1/2 DP 150		20		10,500	To 6000'
Tubing						
Liners						

12759  
650

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
West Virginia Department of  
Environmental Protection

*[Signature]*  
4-13-11

u ~ /  
4-13-11

WRH  
4-13-11



1). Date: 4/1/2011  
2.) Operator's Well Number Stout 1H  
State West Virginia County Marshall Permit 01463H  
3.) API Well No.: 47-

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Conrhein Coal Company</u> <i>W</i>	Name <u>Consol/Leatherwood Inc. c/o Doug Puglin CNX</u> <i>W</i>
Address <u>1525 Pleasant Grove Rd, P O Box J.</u>	Address <u>1000 Consol Energy Drive</u>
<u>Claysville, PA 15323</u>	<u>Cannonsburg, PA 15317</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Bill Hendershot</u>	(c) Coal Lessee with Declaration
Address <u>403 James Street</u>	Name _____
<u>Mannington, WV 26582</u>	Address _____
Telephone <u>304-206-7750</u>	

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas  
OR

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)  
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_ on the above named parties by:

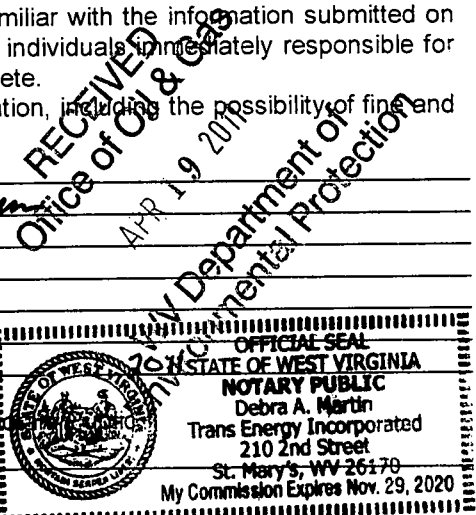
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 Trans Energy Inc.  
 By: *Ms. D. Woodrum*  
 Its: Land Manager  
 Address P O Box 393  
St. Marys, WV 26170  
 Telephone 304-684-7053



Subscribed and sworn before me this 4<sup>th</sup> day of April  
*Debra A. Martin*  
 My Commission Expires November 29, 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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

WW-2A1  
(Rev. 8/02)

Operator's Well Number Stout 1H

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Edis Allison	Trans Energy Inc.	20%	680/121
Michael & Amy Stern	Trans Energy Inc.	20%	682/433

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
WV Department of  
Environmental Protection

Well Operator: Trans Energy Inc.  
 By: *M. J. W. [Signature]*  
 Its: LAND MANAGER

April 18, 2011

Ms. Laura Adkins  
West Virginia DEP  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Dear Laura,

Please let this letter confirms that Trans Energy has the leasing rights to extract minerals under the proposed lateral of the Stout 1H that crosses County Road 891, that the State owns no mineral interest.

I have enclosed check # 12759 in the amount of \$650.00 to handle the permitting fees.

Please note that State Inspector Bill Hendershot has signed off and the WW-2A Surface Owner Waiver has been signed Conrhein Coal Company. Along with WW2A Coal Waiver signed by Consolidation Coal Company

If you would have any questions regarding these permits please feel free contact me at 304-684-7053 ext. 26.

As always thank you for your help in these matters.

Sincerely yours,

***Trans Energy Incorporated***

Debra A. Martin  
Land Administrator

DM/dm

Enclosures

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
WV Department of  
Environmental Protection

WW-2B1

Well No. Stout 1H

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:

<input checked="" type="checkbox"/>	Contractor Name	<u>REI Consultants Inc.</u>
<input type="checkbox"/>	Well operator's private laboratory	
	Well Operator	<u>Trans Energy Inc.</u>
	Address	<u>P O Box 393</u> <u>St. Marys, WV 26170</u>
	Telephone	<u>304-684-7053</u>

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
West Virginia Department of Environmental Protection

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.

1. Consol  
1000 Consol Energy Dr.  
Canonsburg, Pa 15317

2. Courtney Richmond  
P.O. Box 72  
Cameron, WV 26033

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 \_\_\_\_\_

Watershed North Fork Grave Creek Quadrangle Cameron

Elevation 1204' County Marshall District Cameron

Description of anticipated Pit Waste: Drilling and Frac Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application NO FLOWBACK
- \_\_\_\_\_ Underground Injection ( UIC Permit Number \_\_\_\_\_)
- \_\_\_\_\_ Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location) ✓
- Other (Explain All frac fluids will be flowed back into storage containers and Buckeye Water Service Company approved water disposal facilities) ✓

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. freshwater mud until reaching Marcellus, then synthetic mud

-If oil based, what type? Synthetic, petroleum, etc. synthetic

Additives to be used? None

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. All cuttings above Marcellus will be left in pit. All cuttings after reaching Marcellus will be hauled to approved landfill

-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust sawdust - non-Marcellus

-Landfill or offsite name/permit number? Haas Environmental

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 Mark Woodburn

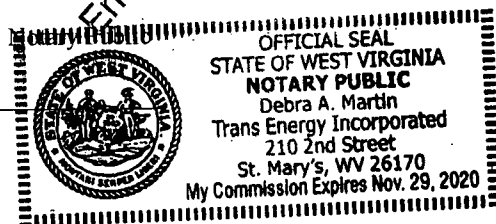
Company Official (Typed Name) Mark Woodburn

Company Official Title Land Manager

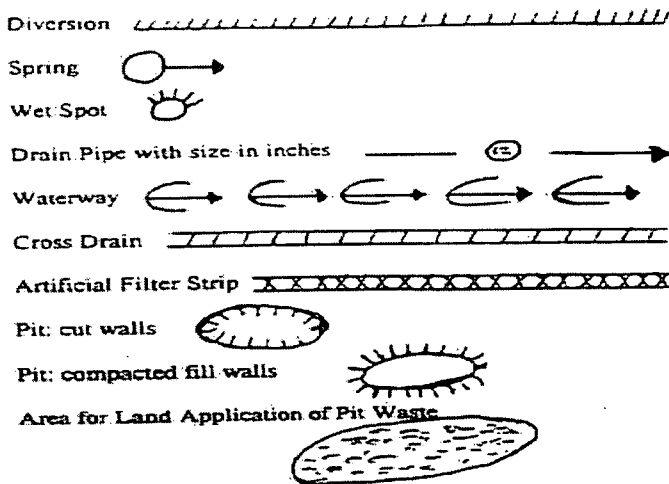
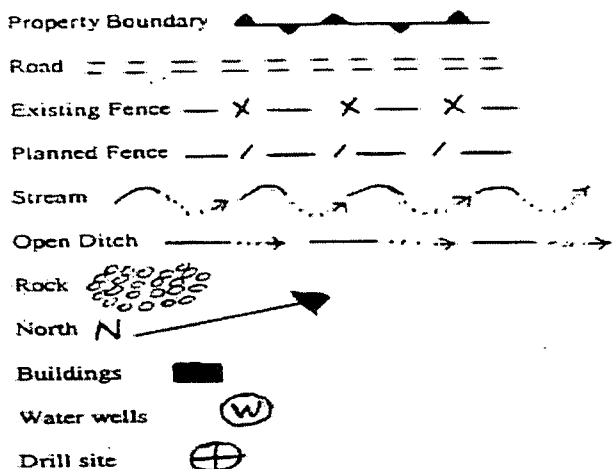
RECEIVED  
Office of Oil & Gas  
APR 19 2011  
WV Department of Environmental Protection

Subscribed and sworn before me this 4<sup>th</sup> day of April, 2011

Debra A. Martin  
My commission expires November 29, 2020



LEGEND



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	lbs/acre	Seed Type	Area II	lbs/acre
Meadow Mix		100	Meadow Mix		100
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.

Plan Approved by: *William Handshaker* *[Signature]* 4-13-11

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

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
Department of Environmental Protection

Title: Inspector Date: 4-13-11

Field Reviewed?  Yes  No

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

**Well Work Permit Application Addendum**

(To be completed when fluid volumes used or disposed may be greater than 5000 barrels)

1) Well Operator Trans Energy Inc.

2) Operator ID # 494481575

3) Operator's Well Number Stout 1H

4) County Marshall

5) Approximate Amount of Water to be Used (bbls.) 150,000

6) Fracture/Drilling Water Source (estimate % of each source to be used)

75% Surface Water 0% Groundwater 25% Purchased Water 0 Reused Water

7) Location of Surface Water Source (if applicable)

a) County Marshall  
Water Source Name North Fork Grave Creek  
Latitude (d/m/s) 39° 51' 57.7 Longitude (d/m/s) 80° 32' 39.1  
NAD83 \_\_\_\_\_ or NAD27 X

b) Anticipated month(s) of water withdrawals October 2011

8) Location of Groundwater Source (if applicable)

a) County \_\_\_\_\_  
Water Source Name/ID \_\_\_\_\_  
Latitude (d/m/s) \_\_\_\_\_ Longitude (d/m/s) \_\_\_\_\_  
NAD83 \_\_\_\_\_ or NAD27 \_\_\_\_\_

b) Anticipated month(s) of water withdrawals \_\_\_\_\_

9) Location of Purchased Water Source (if applicable)

Public/Private Water System Name PSD #4 Marshall County

10) Location of Reused Water (if applicable)

County \_\_\_\_\_

Well/Facility ID \_\_\_\_\_

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
WV Department of  
Environmental Protection

51-0146311

11) Will Centralized Pits/Ponds Be Utilized  yes  no

Location (if applicable)

Latitude (d/m/s) 39° 51' 57.7 Longitude (d/m/s) 80° 32' 39.1

Dimensions in Feet (if applicable)

Length 250 Width 200 Depth 15 ✓

NAD83 \_\_\_\_\_ or NAD27  \_\_\_\_\_

12) Water Disposal Method (estimate % each facility is to receive)

Land Application \_\_\_\_\_ UIC—provide UIC permit number \_\_\_\_\_

POTW—provide facility name Buckeye Water Service Company ✓

NPDES—provide permit number \_\_\_\_\_

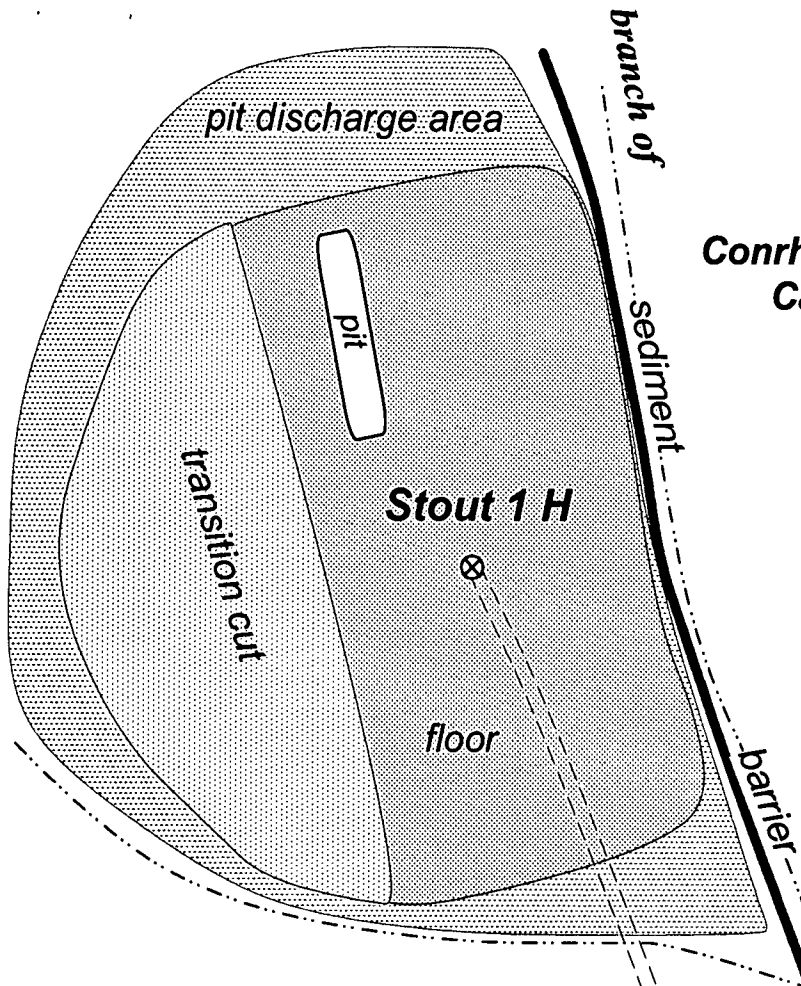
Other \_\_\_\_\_

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
WV Department of  
Environmental Protection



**Trans Energy, Inc.**  
**Well: Stout 1 H**  
**Conrhein Coal Company +/- 95 Acre Lease**  
**Cameron District Marshall County**  
**West Virginia**

4350' NL to 5% total distance from  
US Route 250 to location pad



*[Handwritten signatures and dates]*  
 4-13-11  
 4-13-11  
 4-13-11

- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

log house



NOT TO SCALE

existing access

Moose Lake

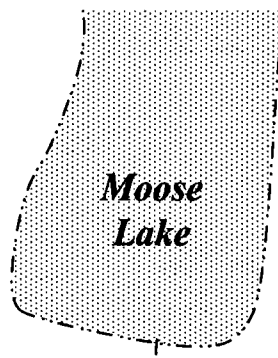
see attached page 2

51-014634

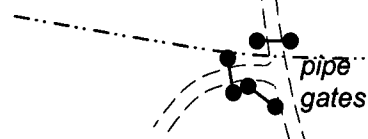
see attached  
page 1

**Trans Energy, Inc.**  
**Well: Stout 2 H**  
**Conrhein Coal Company +/- 95 Acre Lease**  
**Cameron District Marshall County**  
**West Virginia**

4350' NL to 5% total distance from  
US Route 250 to location pad



branch of North Fork of Grave Creek



- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

existing access

house

house

shed

shed

barn

see attached  
page 3

house

NOT TO SCALE

*[Handwritten signature]*  
4-13-11

*[Handwritten signature]*  
4-13-11

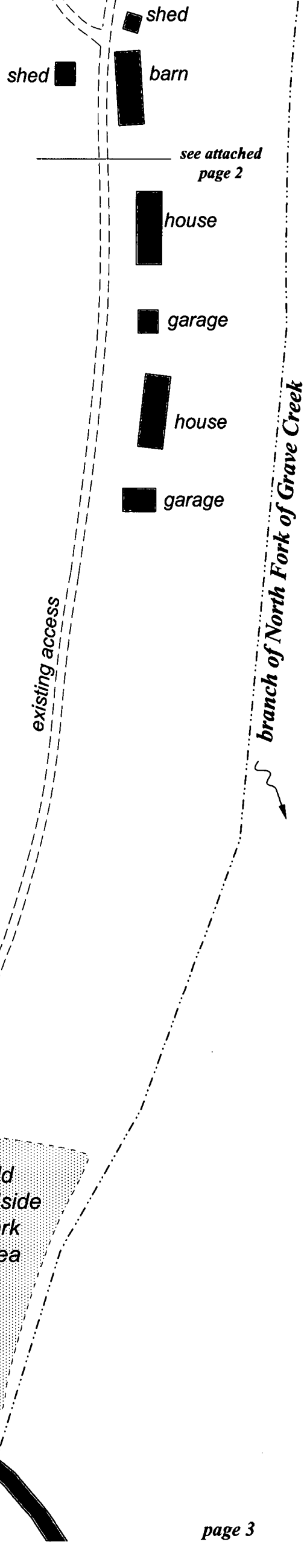
*[Handwritten signature]*  
4-13-11

SI-01463H

**Trans Energy, Inc.**  
**Well: Stout 2 H**  
**Conrhein Coal Company +/- 95 Acre Lease**  
**Cameron District Marshall County**  
**West Virginia**

4350' NL to 5% total distance from  
US Route 250 to location pad

- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5. Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

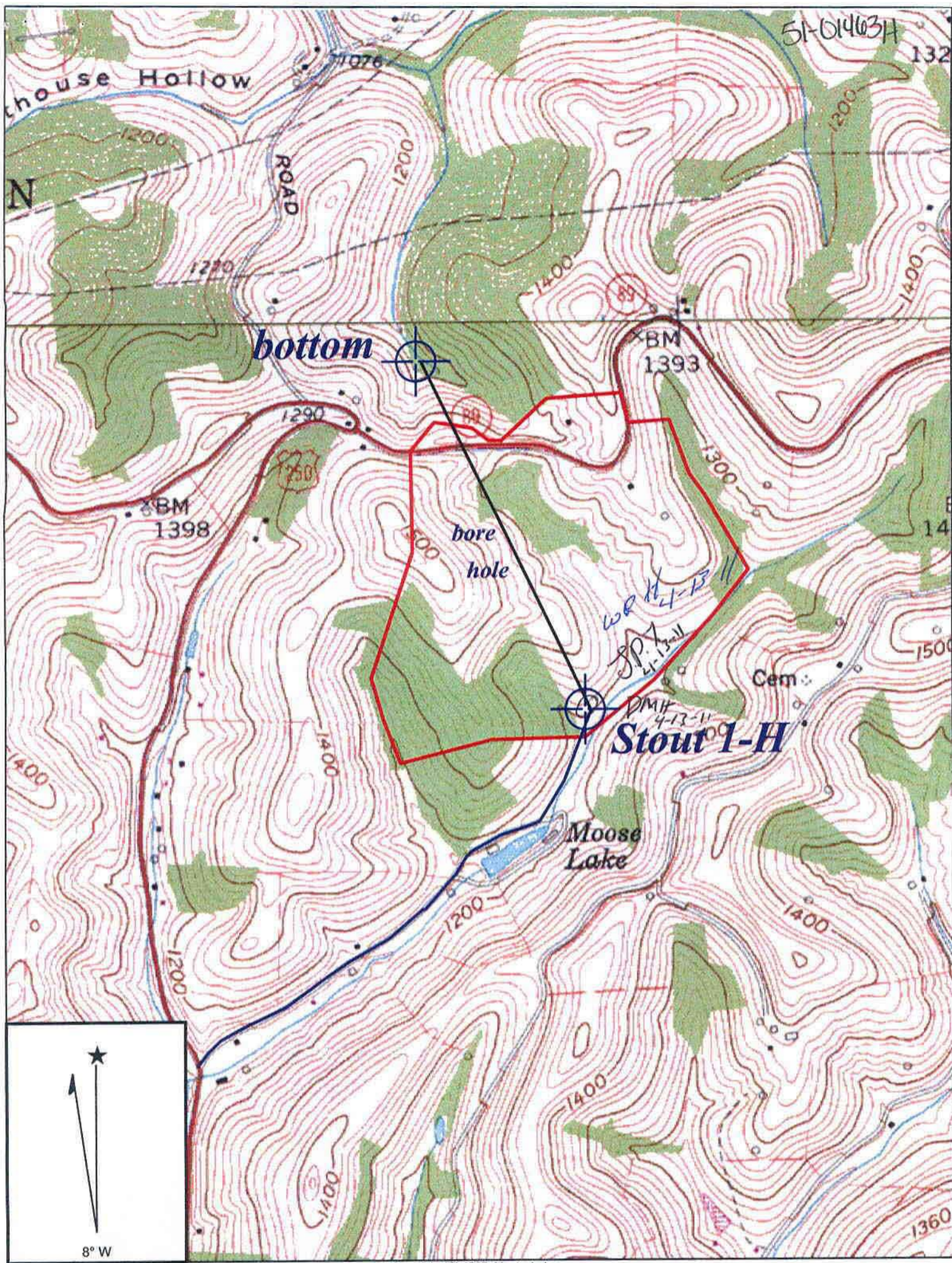


NOT TO SCALE

*[Signature]*  
4-13-11

*[Signature]*  
4-13-11

*[Signature]*  
4-13-11



Copyright (C) 1997, Maptech, Inc.

**CAMERON QUADRANGLE**

SCALE 1" = 1000'

**TRANS ENERGY, INC.**

WELL: STOUT 1H  
 CONRHEIN COAL COMPANY +/-95 ACRE LEASE

CAMERON DISTRICT    MARSHALL COUNTY    WEST VIRGINIA

SURFACE OWNER WAIVER

County Marshall

Operator  
Operator well number

Trans Energy Inc  
Stout #1H

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (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 57<sup>th</sup> 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 **FIFTEEN (15) 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.**

**List of Water Testing Laboratories.** The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_\_\_ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

\_\_\_\_\_  
Signature

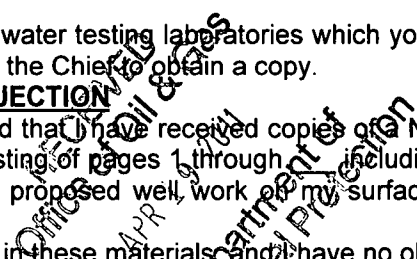
\_\_\_\_\_  
Date

FOR EXECUTION BY CORPORATION, ETC.

Company Name COALHEIM Coal Company

By William G. Newwater  
Its Assistant Manager Date \_\_\_\_\_

William G. Newwater 6/3/10  
Signature Date



COAL OPERATOR, OWNER, OR LESSEE WAIVER

County: Marshall

Operator: TransEnergy, Inc.

Operator's Well #: Stout 1H

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office.

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner X / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. 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.

Consolidation Coal Company approves and authorizes the drilling of TransEnergy's proposed well through the Pittsburgh coal seam in accordance to the attached Agreement between Consolidation Coal Company and TransEnergy dated April 23, 2010.

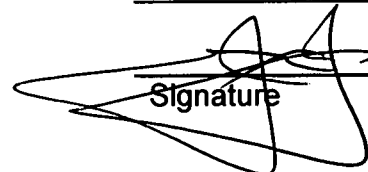
FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Company Name Consolidation Coal Company  
By Joseph C. Wilcox, Jr.  
Its Manager - Engineering  
Ohio Valley Operations

  
Signature

4-28-10  
Date

RECEIVED  
Office of Oil & Gas  
APR 19 2011  
WV Department of  
Environmental Protection

7 Cameron

Operator: TRANS ENERGY, INC.

API: 5101463

WELL No: STOUT 1H

Reviewed by: Jo Date: 4-23-11

15 Day End of Comment: W 5/5



### CHECKLIST FOR FILING A PERMIT

#### Horizontal Well

WW-2B

Inspector signature on WW-2B (2)

WW-2A (Notarized)

Certified Mail Receipts, Waivers, or Affidavits of Personal Service

Surface Owner Waiver

Coal Owner / Lessee / Operator Waiver

WW-2A-1 (Signed) Showing Book/Page Number and Royalty Percentage

WW-2B-1 (Names, addresses, and spot on topographical map listed as water testing)

WW-9 (Page 1 & 2) (Notarized)

More than 5,000 bbls

Inspector Signature on WW-9 (2)

Reclamation plan

Topographic Map of location of well

Mylar Plat (Signed and Sealed) (Surface owner on plat matches WW-2A)

Bond

Company is Registered with the SOS

Worker's Compensation / Unemployment Insurance account is OK

\$650.00 check (\$550.00 if no pit)

Mine Data Clear lot near permitted area, Conditions attached

Addendum

Don't tell how many Mineral Boundaries

5-3 Emailed Debbie Martin

615

51-01463

**Adkins, Laura L**

---

**From:** Debbie Martin <debbiemartin@transenergyinc.com>  
**Sent:** Wednesday, May 04, 2011 11:42 AM  
**To:** Adkins, Laura L  
**Subject:** RE: Stout 1H 51-01463 5-5-11

Laura,

I forwarded your below email to Mark Woodburn for his reply, as follows:

On the Stout 1H plat the "bolded" dark lines are mineral tracts. We have listed two (2) leases in our application: (1) Edis Allison and (2) Michael and Amy Stern, these two (2) leases are the only two (2) leases associated with the Stout 1H.

Please let us know if you would need additional information. As always thank you for your help in these matters.

Debbie.

Debra A. Martin  
Land Administrator  
Trans Energy Inc.  
210 2<sup>nd</sup> Street  
P O Box 393  
St. Marys, WV 26170

Phone 304.684.7053  
Fax 304.684.3658

[debbiemartin@transenergyinc.com](mailto:debbiemartin@transenergyinc.com)

---

**From:** Adkins, Laura L [mailto:Laura.L.Adkins@wv.gov]  
**Sent:** Tuesday, May 03, 2011 12:31 PM  
**To:** debbiemartin@transenergyinc.com  
**Subject:** Stout 1H 51-01463 5-5-11

Debbie,

On the Stout 1H well plat, I cannot distinguish if the property lines are mineral or surface, so I can't tell how many leases you should have listed.

Please let me know if you have questions. Please use the information I have in the subject line above when corresponding regarding this application, it will help me to find the application faster.

Thank you,

Laura

! *Laura L. Adkins*  
*Environmental Resource Specialist*  
*WVDEP Office of Oil and Gas*