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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Earl Ray Tomblin , Governor  
Randy C. Huffman , Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, August 04, 2016  
WELL WORK PERMIT  
Vertical / Plugging - 2

TRANS ENERGY, INC.  
P O BOX 393  
210 SECOND STREET  
ST. MARYS, WV 26170

Re: Permit approval for 1  
47-049-00303-00-00

This well work permit 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 any additional specific 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 permitted well work, 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.

Per 35 CSR 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- 0450.



James A. Martin  
Chief

Operator's Well Number: 1  
Farm Name: McGEE  
U.S. WELL NUMBER: 47-049-00303-00-00  
Vertical / Plugging - 2  
Date Issued: 8/4/2016

Promoting a healthy environment.

08/05/2016

# 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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

WW-4B  
Rev. 2/01

1) Date April 6, 2016  
2) Operator's  
Well No. McGee #1  
3) API Well No. 47-049-0003

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 \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X
- 5) Location: Elevation 1185' Watershed State Road Fork  
District Mannington County Marion Quadrangle Glover Gap
- 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 Bill Hendershot Name Perkins Oil and Gas  
Address 403 James Street Address P.O. Box 547  
Mannington, WV 26582 Pennsboro, WV 26415

- 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

Bill Hendershot

Date

6-9-2016

08/05/2016

6/7/2016

E. McGee #1 Plugging

Work Order: The manner of plugging this well is as follows:

TD: 3972'

Elevation GL: 1185'

PERFORATIONS 3005' - 3362'

Manners of plugging: SPOT GEL & SET Plug 1 FROM PBD (3830') TO 3730'.

Plug #1: ~~3972'-3872'~~ 3830' TO 3730'

SET  
 Plug #2: FROM 3400'-2950' BEFORE  
 Free point, part and pull all possible 4 1/2" casing FOC ≈ 1500'

Plug #3: Locate 4 1/2" casing stub. Locate plug 50' below top casing to 50' above top casing. 1550' TO 1450' Plug 3

Plug #4: Located @ elevation 1319'-1219'

Plug #5: Coal depth = 960'. Plug 1010'-910'

Pull 9-5/8" if possible

If 9-5/8" pipe can be pulled then Plug #6: 300' to surface

If 9-5/8" pipe cannot be pulled, locate bottom of 9-5/8" and Plug #6 will be 50' below bottom of 9-5/8" to 50' above bottom of 9 5/8".

Plug #7: if cannot pull 9-5/8" 300' to surface

Remove all casing possible. If casing cannot be recovered, perforate for plug placement.

Monument:

6" minimum diameter metal pipe

30" above surface

10' into well below surface

Seal with cement

API identification (1/2") height numbering

6% gel between all plugs

8 5/8" CASING

Received  
 Office of Oil & Gas  
 JUN 21 2016

08/05/2016

4900303P

Form OG-10



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage   
Oil or Gas Well  *Oil, Gas*  
(KIND)

Quadrangle Mannington  
Permit No. MAR-303

WELL RECORD

Company White Shield Oil & Gas Corp.  
Address P. O. Box 2139, Tulsa, Okla. 74101  
Farm McGee Acres 77  
Location (waters) Approx. C. of 77 Ac. lse.  
Well No. One Elev. 1278DF  
District Mannington County Marion  
The surface of tract is owned in fee by Julian L. & Jaye S. Stealy  
Charleston, W. Va. Address W. Va.  
Mineral rights are owned by same Address same  
Drilling commenced 11-10-69  
Drilling completed 11-27-69  
Date Shot 1-17-70 From 3005 To 3362  
With 38 shots

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
6 5/8		21 68	
5 3/16			Perf. top. <u>3005</u>
4 1/2	3872		Perf. bottom <u>3362</u>
3			Perf. top
2			Perf. bottom
Liners Used			

Open Flow 10ths Water in Inch Attach copy of cementing record.  
10ths Merc. in Inch CASING CEMENTED 4 1/2 SIZE 3872 No. Ft. 12-1-69 Date  
Volume Cu. Ft. Amount of cement used (bags) 450  
Rock Pressure lbs. hrs. Name of Service Co. HOWCO  
Oil bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES  
WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS) 500 B. Acid, 16,500 # 20/40 sd, 15 gal. Mor-flo, 300# WAC, 50# FR-16,

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 25 BO & 84 MCF  
ROCK PRESSURE AFTER TREATMENT 820# HOURS 24  
Fresh Water Feet Salt Water Feet  
Producing Sand Gordon, Stray & Bayard Depth 3005, 3359  
3005-?, 3359-62

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
shale			0	650			
shale			650	850			
coal			850	860			
shale			860	1200			
shale & sand			1200	1900			
shale & sand			1900	2200			
shale & sand			2200	2570			
sand			2570	3280			
sand			3280	3972			
T.D.	<u>Chemung</u>			3972			

RECEIVED  
Office of Oil and Gas

JUN 23 2016

WV Department of  
Environmental Protection

RECEIVED  
FEB 27 1970  
OIL & GAS DIVISION  
DEPT. OF MINES

08/05/2016

WW-4A  
Revised 6-07

1) Date: 4/6/2016  
2) Operator's Well Number  
McGee #1  
3) API Well No.: 47 - 049 - 00303

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

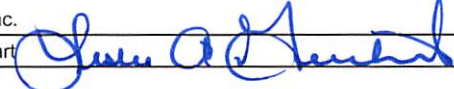
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Richard L. Staley</u>	Name <u>Murray American Energy, Inc.</u>
Address <u>21341 Olive Street</u>	Address <u>61226 Energy Road</u>
<u>St. Lake Elsinore, CA 92530</u>	<u>Moundsville, WV 26041</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
(c) Name _____	Address _____
Address _____	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>	Address _____

**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.

Well Operator Trans Energy, Inc.  
 By: Leslie A. Gearhart   
 Its: VP Operations  
 Address P.O. Box 393  
St. Marys, WV 26170  
 Telephone 304-684-7053

Subscribed and sworn before me this 7th day of June 2016

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, for 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).

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 049 - 00303  
Operator's Well No. McGee #1

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name \_\_\_\_\_ OP Code 494481575  
Watershed (HUC 10) State Road Fork Quadrangle Glover Gap  
Elevation 1269' County Marion District Mannington

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

Will a pit be used for drill cuttings? Yes \_\_\_\_\_ No X

ANY WELL EFFLUENT MUST BE CONTAINED  
IN TANKS AND DISPOSED OF PROPERLY. *JMM*

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes \_\_\_\_\_ No \_\_\_\_\_ If so, what ml.? \_\_\_\_\_

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 \_\_\_\_\_ )

Will closed loop system be used? N/A

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed to landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) No Pit

-Landfill or offsite name/permit number? Short Creek Landfill SWF-1034

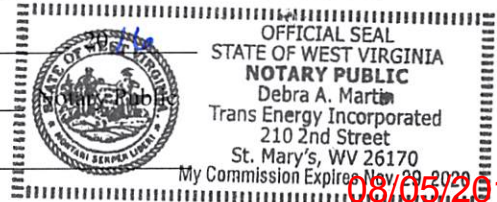
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 Operations, Trans Energy, Inc.

Received  
Office of Oil & Gas  
JUN 21 2016

Subscribed and sworn before me this 7<sup>th</sup> day of June  
Debra A. Martin  
My commission expires November 29, 2020



06/05/2016

Form WW-9

Operator's Well No. McGee #1

Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ Prevegetation pH \_\_\_\_\_

Lime 1 Tons/acre or to correct to pH 6.5

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

Mulch 90 bales Tons/acre

Seed Mixtures

Seed Type	Area I		Seed Type	Area II	
	lbs/acre			lbs/acre	
Meadow Mix	100				
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: *Bill Harkness*

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

Title: Environmental Inspector

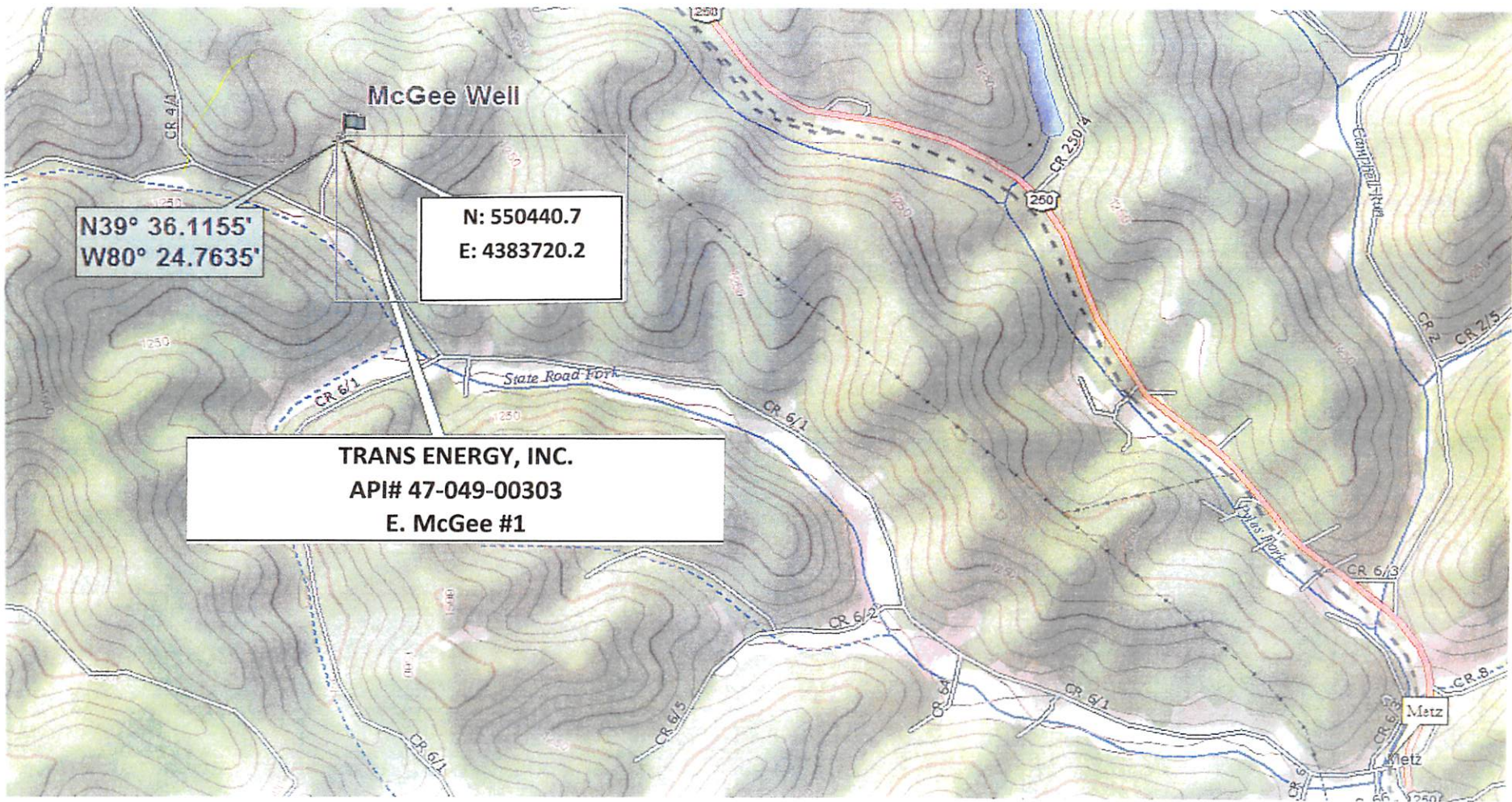
Date: 6-9-2016

Field Reviewed?  Yes  No

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Office of Oil & Gas  
JUN 21 2016



Received  
Office of Oil & Gas  
JUN 21 2016



WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-049-00303 WELL NO.: 1  
 FARM NAME: McGee  
 RESPONSIBLE PARTY NAME: Trans Energy, Inc.  
 COUNTY: Marion DISTRICT: Mannington-4  
 QUADRANGLE: Glover Gap-374  
 SURFACE OWNER: Richard L. Staley  
 ROYALTY OWNER: Richard L. Staley  
 UTM GPS NORTHING: 39° 36.1155 550440.7 N  
 UTM GPS EASTING: 80° 24.7635 4383720.2 E GPS ELEVATION: 1185

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.

Justin A. Staley  
Signature

V.P. Operations  
Title

6-8-16  
Date

08/05/2016