west virginia department of environmental protection

Office of Oil and Gas
601 57th 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

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

4900303P

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.

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

4900303P

WW-4B
Rev. 2/01

1) Date April 6, 2016
2) Operator's
Well No. McGee #1
3) API Well No. 47- 049 -00303

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.
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 Bill Hendershot
Address 403 James Street
Mannington, WV 26582

9) Plugging Contractor
Name Perkins Oil and Gas
Address P.O. Box 547
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

47-049-00303

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 PBTD (3830') TO 3730'.

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

Free point, part and pull all possible 4 ½" casing FOC ≈ 1500'.

Plug #2: SET FROM 3400'-2950' BEFORE

Plug #3: Locate 4 ½" 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

4900303P

F-745'
F-41
5

Form OG-10

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

WELL RECORD

Rotary ☒
Spudder ☐
Cable Tools ☐
Storage ☐

Oil or Gas Well Gas (KIND)

Quadrangle Mannington
Permit No. MAR-303

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, 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
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
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 3005-? 3359-62 Depth 3005, 3359

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8 5/8	2168		
6 5/8			Depth set
5 3/16			
4½	3872		
3			Perf. top 3005
2			Perf. bottom 3362
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 3872 No. Ft. 12-1-69 Date
Amount of cement used (bags) 450
Name of Service Co. HOWCO
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

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. Chemung				3972			

(over)

RECEIVED
Office of Oil and Gas
JUN 23 2016
WV Department of
Environmental Protection

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

MAR 23 1970

4900303P

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 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served: ✓
(a) Name: Richard L. Staley
Address: 21341 Olive Street
St. Lake Elsinore, CA 92530
(b) Name:
Address:
(c) Name:
Address:

5) (a) Coal Operator ✓
Name: Murray American Energy, Inc.
Address: 61226 Energy Road
Moundsville, WV 26041
(b) Coal Owner(s) with Declaration
Name:
Address:
Name:
Address:
(c) Coal Lessee with Declaration
Name:
Address:

6) Inspector: Bill Hendershot
Address: 403 James Street
Mannington, WV 26582
Telephone: 304-206-7750

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
Notary Public
My Commission Expires November 29, 2020

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Debra A. Martin
Trans Energy Incorporated
2192nd Street
St. Mary's, WV 26170
My Commission Expires Nov. 29, 2020

Received
Office of Oil & Gas
JUN 9 2016
WV Department of Environmental Protection

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.

4900303P

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. gwm

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.

Received
Office of Oil & Gas
JUN 21 2016

Company Official Signature _____

Company Official (Typed Name) Leslie A. Gearhart

Company Official Title Vice President Operations, Trans Energy, Inc.

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

Debra A. Martin Notary Public

My commission expires November 29, 2020

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Debra A. Martin
Trans Energy Incorporated
210 2nd Street
St. Mary's, WV 26170
My Commission Expires Nov. 29, 2020

~~47-049-00803~~
47-049-00303P

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 65

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

Mulch 90 bales Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	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 Hendershot

Comments: _____

Title: Environmental Inspector Date: 6-9-2016

Field Reviewed? (✓) Yes ( ) No

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JUN 21 2016

47-49-00303 P

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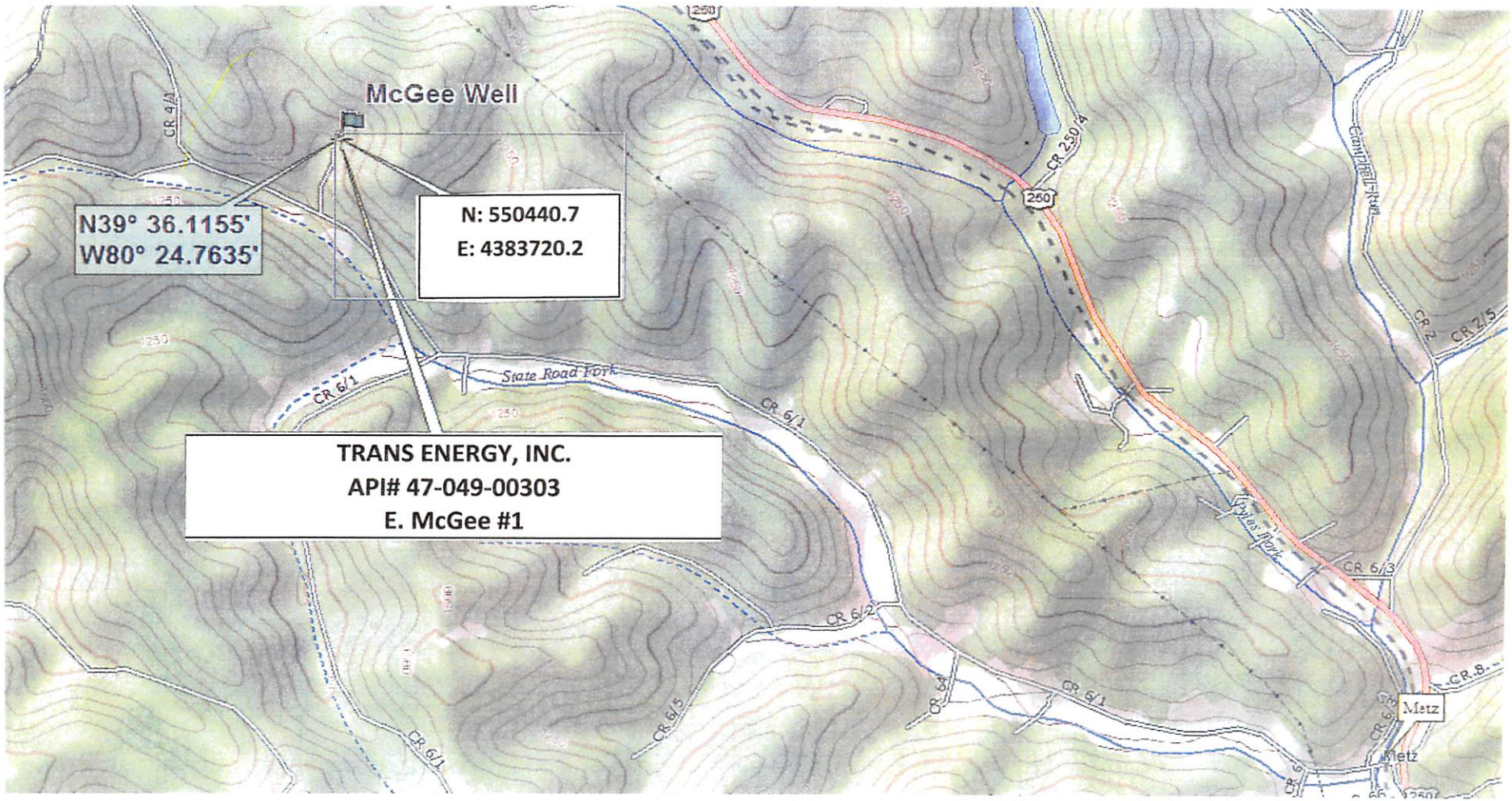
Office of Oil & Gas
JUN 21 2016



4900303P

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 X : Post Processed Differential ____

Real-Time Differential X

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	Title	Date
Leslie A. [signature]	V.P. Operations	6-8-16