



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

February 09, 2015

WELL WORK PERMIT

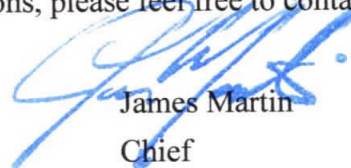
Horizontal 6A Well

This permit, API Well Number: 47-4902364, 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 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.

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: BAKER 1H
Farm Name: GOLL, GARY G. & LARRY A.
API Well Number: 47-4902364
Permit Type: Horizontal 6A Well
Date Issued: 02/09/2015

Promoting a healthy environment.

08/27/2021

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. 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 § 22-6A-5a (12), 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.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

08/27/2021

4704902364

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

1) Well Operator: Trans Energy Inc 494481575 Marion Mannington Glover Gap
Operator ID County District Quadrangle

2) Operator's Well Number: Baker 1H Well Pad Name: Baker

3) Farm Name/Surface Owner: Gary G Goll & Larry A Goll Public Road Access: Co Rd 4/3

4) Elevation, current ground: 1572' Elevation, proposed post-construction: 1540'

5) Well Type (a) Gas Oil Underground Storage
Other

(b) If Gas Shallow Deep
Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):
Marcellus Shale 7200' 60' thick 4000 psi

8) Proposed Total Vertical Depth: 7200'

9) Formation at Total Vertical Depth: Marcellus Shale

10) Proposed Total Measured Depth: 9950'

11) Proposed Horizontal Leg Length: 2750'

12) Approximate Fresh Water Strata Depths: 50' 150'

13) Method to Determine Fresh Water Depths: Water Wells drilled in the County, information provided by Health Dept.

14) Approximate Saltwater Depths: 1525'

15) Approximate Coal Seam Depths: 900'

16) Approximate Depth to Possible Void (coal mine, karst, other): Location located in a solid block of coal between long wall panels.

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: Marion County Mine
Depth: 900'
Seam: Pittsburgh
Owner: Murray Energy

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WW-6B
(9/13)

4704902364

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling</u>	<u>INTERVALS: Left in Well</u>	<u>CEMENT: Fill-up (Cu. Ft.)</u>
Conductor	20	new	J-55	94	110'	110'	CTS
Fresh Water	13-3/8	new	J-55	54.5	1000'	1000'	CTS
Coal							
Intermediate	9-5/8	new	J-55	36	3000'	3000'	CTS
Production	5-1/2	new	P-110	20	9950'	9950'	CTS
Tubing							
Liners							

WRH
10-9-14

TYPE	<u>Size</u>	<u>Wellbore Diameter</u>	<u>Wall Thickness</u>	<u>Burst Pressure</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20	26	0.438	1530	Type 1	13 cu ft/sk
Fresh Water	13-3/8	17-1/2	.38	2730	Type 1	1.25 cu ft/sk
Coal						
Intermediate	9-5/8	12-1/2	.352	3520	Type 1	1.26 cu ft/sk
Production	5-1/2	8-3/4	.361	12360	Poz H Class H	1.18 cu ft/sk
Tubing						
Liners						

PACKERS

Kind:				
Sizes:				
Depths Set:				

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WW-6B
(9/13)

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and complete horizontal well in the Marcellus Shale. Lateral to be approximately 2750' in length.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

A water fracture treatment is proposed a mixture of sand and water will be used to stimulate the Marcellus Shale.
Max Pressure 10,000
Max Rate 100 bbl/min

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 25.30 acres

22) Area to be disturbed for well pad only, less access road (acres): 8.2 acres

23) Describe centralizer placement for each casing string:

Fresh Water String - 1 centralizer every 160'
Intermediate String - 1 centralizer every 100' from 3300' to 900'
Production String - 1 centralizer every 80' from TD to above ROP (7000')

24) Describe all cement additives associated with each cement type:

Standard Type 1 cement - retarder and fluid loss (surface and interm)
Type 1 = 2% CaCl₂ + Y4# Flake - Surface Cement mixed @ 15.6 ppg CaCl₂, Flake (cellophane flake)
Type 1 = 2% CaCl₂ + Y4# Flake - Intermediate Cement mixed @ 15.6 ppg
Class H in lateral - retarder and fluid loss and free water additive

25) Proposed borehole conditioning procedures:

Before cement casing mud will be thinned and all gas will be circulated out of the mud before cementing.

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*Note: Attach additional sheets as needed.

CEMENTING ADDITIVES'

4704902364

Type	Product no.	Product properties						
		Usage Properties	Application temperature	Salt resistance	Anti-freezing	Solubility Specification		
Multi-functional fluid loss additives	CG610L Liquid	Water mixed	White or faint yellow viscous liquid	≤180°C	Saturated salt water	-15°C	Soluble in cold water	Cement slurry has good fluidity, and it is not extended.
	CG610S-P Powder	Dry & water mixed dual purpose	White or faint yellow powder	≤180°C	Saturated salt water	—	Soluble in cold water	High purity, small dosage, good slurry fluidity and not extended.
	CG610S-D High purity powder	Dry mixed	Gray powder	≤180°C	Saturated salt water	—	Partly water soluble	Easy storage, long durability good slurry fluidity and not extended.
	CG610S-T Powder	Dry & water mixed dual purpose	White powder	≤180°C	Saturated salt water	—	Soluble in cold water	Using flexibly and conveniently, slurry's fluidity is good and not extended.
AMPS quachripolymer	CG510L Liquid	Water mixed	White or faint yellow viscous liquid	≤150°C	18% salt water	-15°C	Soluble in cold water	Slurry's fluidity is good, slight extend.
	CG510S-P High purity powder	Dry & water mixed dual purpose	White or faint yellow powder	≤150°C	18% salt water	—	Soluble in cold water	High purity, small dosage, good slurry fluidity and slight extended.
AMPS terpolymer	CF310S Powder	water mixed dual purpose	faint yellow powder	≤150°C	18% salt water	—	Partly Soluble in cold water	Easy storage, long compatibility with all kinds cement and it has the properties of fluid loss controlling. Cement slurry with it is slight extended.
	CH210L Liquid	Water mixed	Colorless liquid	55-110°C	18% salt water	-2°C	Soluble in cold water	—
	CH210S-P High purity powder	Dry & water mixed dual purpose	White powder	55-110°C	18% salt water	—	Soluble in cold water	High purity and low dosage.
	CH210S-D Powder	Dry mixed	Gray powder	55-110°C	18% salt water	—	Partly water soluble	Easy storage and long durability.
Moderate temperature retarder	CH210S-T Powder	Dry & water mixed dual purpose	White powder	55-110°C	18% salt water	—	Soluble in cold water	Using flexibly and conveniently.
	CH310L Liquid	Water mixed	Brownish black liquid	90-150°C	18% salt water	-12°C	Soluble in cold water	Have certain dispersion.
	CH410L Liquid	Water mixed	Brown liquid	90-150°C	18% salt water	-9°C	Soluble in cold water	Have certain dispersion.
High temperature retarder	CH510S-D Powder	Dry mixed	Gray powder	90-150°C	18% salt water	—	Partly water soluble	Easy storage, long durability, strengthen grow is acid.

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4704902364

*WPH
10-9-14*

WELLBORE SCHEMATIC

Well Name: Baker 1H

County: Marion

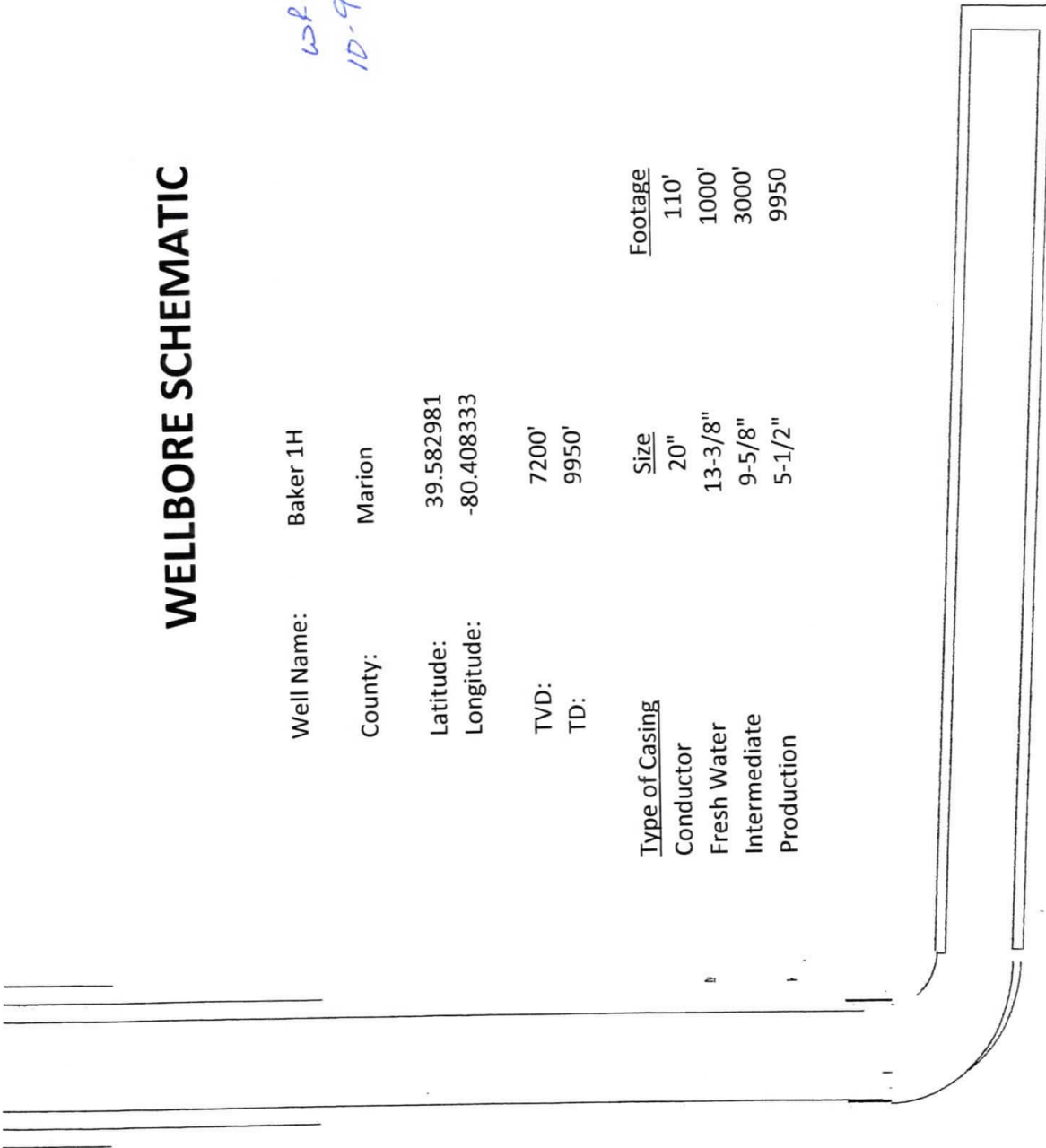
Latitude: 39.582981

Longitude: -80.408333

TVD: 7200'

TD: 9950'

Type of Casing	Size	Footage
Conductor	20"	110'
Fresh Water	13-3/8"	1000'
Intermediate	9-5/8"	3000'
Production	5-1/2"	9950'



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WW-9
(9/13)

API Number 47 4704902364
Operator's Well No. Baker 1H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Trans Energy Inc OP Code 494481575

Watershed (HUC 10) State Road Fork of Pyles Fork Quadrangle Glover Gap

Elevation 1540' County Marion District Mannington

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

Will a pit be used? Yes No

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 All frac fluids will be flowed back into storage containers and Buckeye Water Service Company will haul to an approved water disposal facilities _____)

Will closed loop system be used? If so, describe: yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Freshwater mud until reaching Marcellus then synthetic _____

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

Additives to be used in drilling medium? See attached

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. All cuttings will be hauled to approved 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 Gearhart

Company Official (Typed Name) Leslie Gearhart

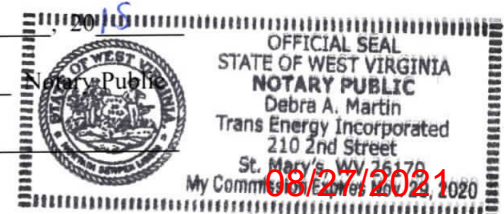
Company Official Title VP-Operations

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JAN 20 2015

Subscribed and sworn before me this 19th day of January

Debra A Martin Debra A Martin

My commission expires November 24, 2020



Form WW-9 Additives Attachment**SURFACE INTERVAL**

1. Fresh Water
2. Soap -Foamer AC
3. Air

INTERMEDIATE INTERVAL***STIFF FOAM RECIPE:***

- 1) 1 ppb Soda Ash / Sodium Carbonate-Alkalinity Control Agent
- 2) 1 ppb Conqor 404 (11.76 ppg) / Corrosion Inhibitor
- 3) 4 ppb KLA-Gard (9.17 ppg) / Amine Acid Complex-Shale Stabilizer
- 4) 1ppb Mil Pac R / Sodium Carboxymethylcellulose-Filtration Control Agent
- 5) 12 ppb KCL / Potassium Chloride-inorganic Salt
- 6) Fresh Water 80 bbls
- 7) Air

PRODUCTION INTERVAL

1. Alpha 1655
Salt Inhibitor
2. Mil-Carb
Calcium Carbonate
3. Cottonseed Hulls
Cellulose-Cottonseed Pellets - LCM
4. Mil-Seal
Vegetable, Cotton & Cellulose-Based Fiber Blend - LCM
5. Clay-Trol
Amine Acid Complex - Shale Stabilizer
6. Xan-Plex
Viscosifier For Water Based Muds
7. Mil-Pac (All Grades)
Sodium Carboxymethylcellulose - Filtration Control Agent
8. New Drill
Anionic Polyacrylamide Copolymer Emulsion - Shale Stabilizer
9. Caustic Soda
Sodium Hydroxide - Alkalinity Control
10. Mil-Lime
Calcium Hydroxide - Lime
11. LD-9
Polyether Polyol - Drilling Fluid Defoamer
12. Mil Mica
Hydro-Biotite Mica - LCM

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13. Escaid 110
Drilling Fluid Solvent – Aliphatic Hydrocarbon
14. Ligco
Highly Oxidized Leonardite – Filtration Control Agent
15. Super Sweep
Polypropylene – Hole Cleaning Agent
16. Sulfatrol K
Drilling Fluid Additive – Sulfonated Asphalt Residuum
17. Sodium Chloride, Anhydrous
Inorganic Salt
18. D-D
Drilling Detergent – Surfactant
19. Terra-Rate
Organic Surfactant Blend
20. W.O. Defoam
Alcohol-Based Defoamer
21. Perma-Lose HT
Fluid Loss Reducer For Water-Based Muds
22. Xan-Plex D
Polysaccharide Polymer – Drilling Fluid Viscosifier
23. Walnut Shells
Ground Cellulosic Material – Ground Walnut Shells – LCM
24. Mil-Graphite
Natural Graphite – LCM
25. Mil Bar
Barite – Weighting Agent
26. X-Cide 102
Biocide
27. Soda Ash
Sodium Carbonate – Alkalinity Control Agent
28. Clay Trol
Amine Acid complex – Shale Stabilizer
29. Sulfatrol
Sulfonated Asphalt – Shale Control Additive
30. Xanvis
Viscosifier For Water-Based Muds
31. Milstarch
Starch – Fluid Loss Reducer For Water Based Muds
32. Mil-Lube
Drilling Fluid Lubricant

Regulation
Office of Oil & Gas

JAN 20 2015

08/27/2021

4704902364

Form WW-9

Operator's Well No. Baker 1H

Trans Energy Inc

Proposed Revegetation Treatment: Acres Disturbed 25.3 total and 8.2 well Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 65

Fertilizer type _____

Fertilizer amount 600 lbs/acre

Mulch 90 Bales Tons/acre

Seed Mixtures

Temporary

Permanent

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

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

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *William Hendrick*

Comments: _____

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Office of Oil & Gas**

OCT 29 2014

Title: Environmental Inspector Date: 10-9-14

Field Reviewed? () Yes () No

08/27/2021

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WRH
10-9-14

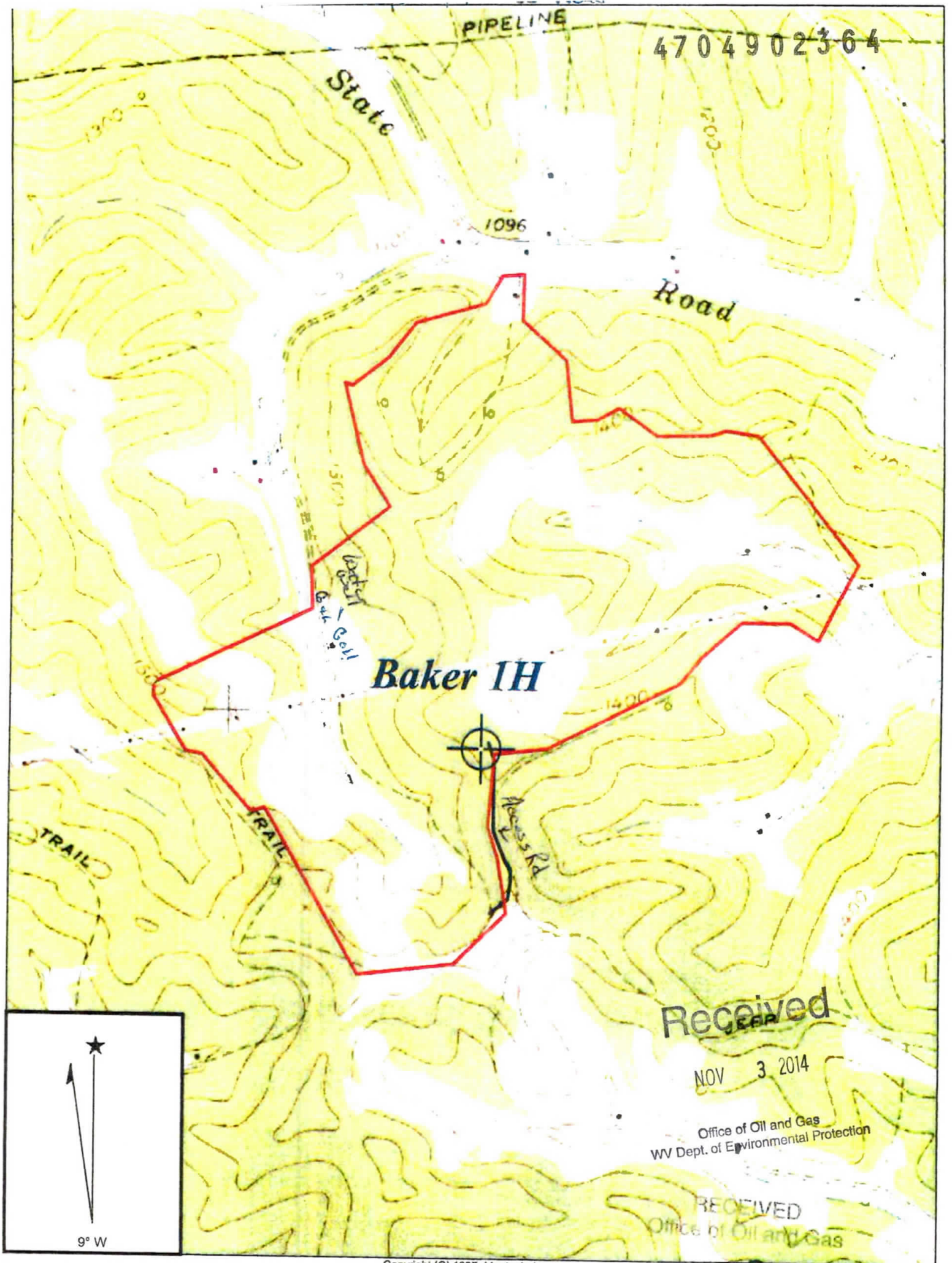
TRANS ENERGY, INC.

Well Site Safety Plan

Baker Pad

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OCT 29 2014

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Copyright (C) 1997, Maptech, Inc.

GLOVER GAP QUADRANGLE

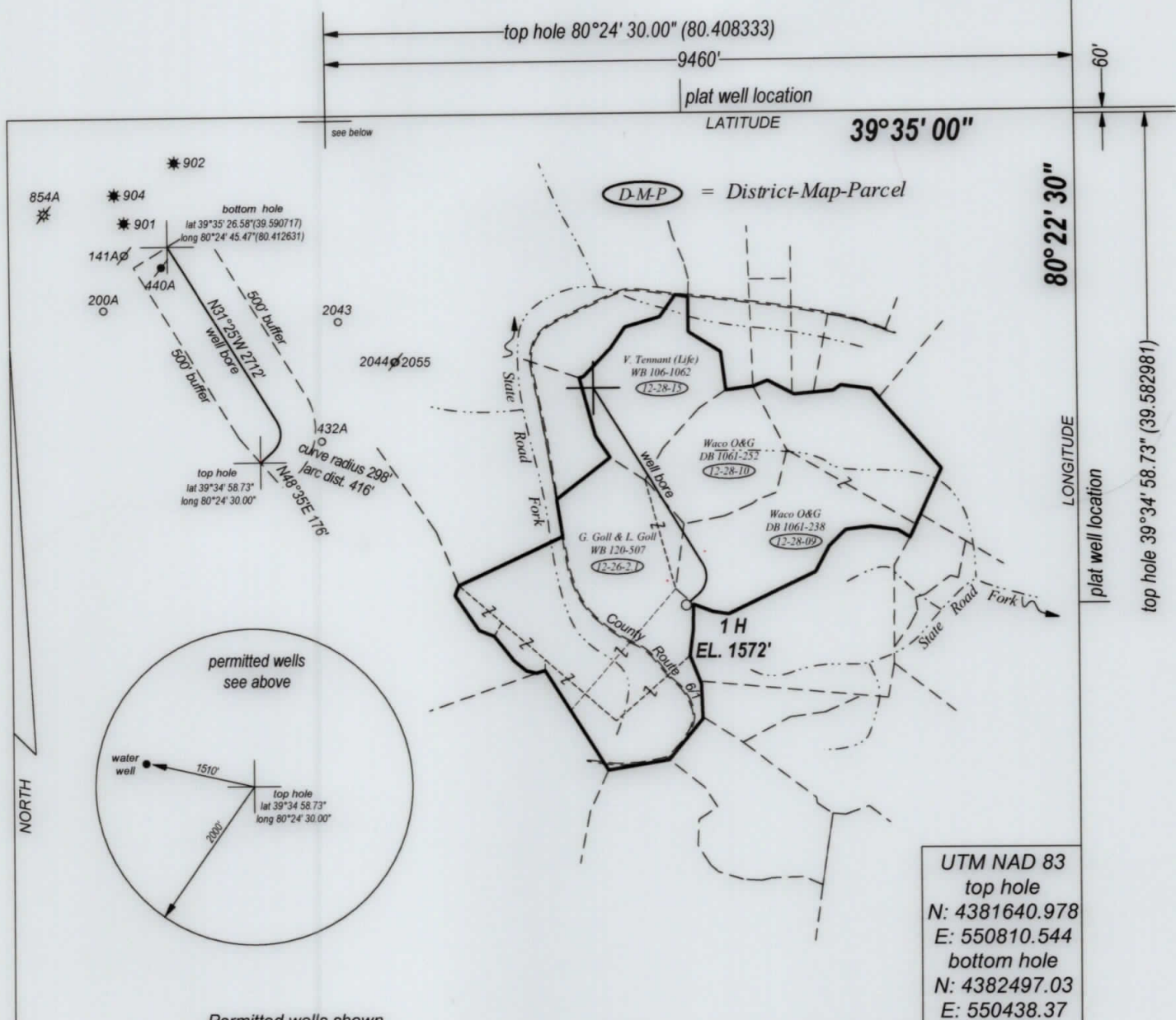
SCALE 1" = 1000'

TRANS ENERGY, INC.

WELL: BAKER 1H
 BAKER, ET AL +/- 288.54 ACRE UNIT

MANNINGTON DISTRICT MARION COUNTY WEST VIRGINIA

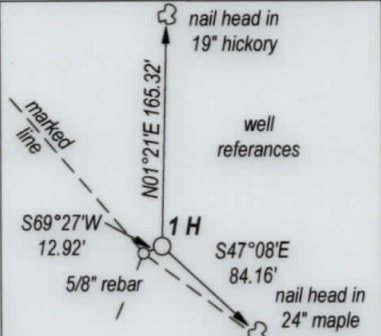
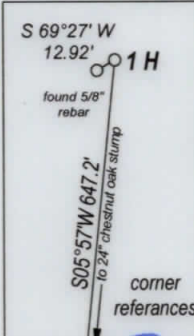
WPH 10-11
 08/27/2021



UTM NAD 83
 top hole
 N: 4381640.978
 E: 550810.544
 bottom hole
 N: 4382497.03
 E: 550438.37

Permitted wells shown
 within 500' of bore hole
 All water wells within
 2000' of top hole shown
 No buildings of any kind
 within 625' of top hole

BAKER, ET AL
+/- 288.54 ACRE UNIT



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 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 ISSUED
 AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) _____
 PROFESSIONAL SURVEYOR: 551



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

DATE SEPTEMBER 25TH, 2014
 OPERATORS WELL NO. BAKER 1 H

API 47 - 049 - 02364
 STATE COUNTY PERMIT

WELL TYPE: OIL XX GAS XX LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION XX STORAGE DEEP SHALLOW XX

LOCATION: ELEVATION 1572' WATER SHED STATE ROAD FORK OF PYLES FORK
 DISTRICT MANNINGTON COUNTY MARION QUADRANGLE GLOVER GAP

SURFACE OWNER GARY G. GOLL & LARRY A. GOLL ACREAGE 160.04
 OIL & GAS ROYALTY BAKER, ET AL LEASE AC. +/- 288.54

PROPOSED WORK: DRILL XX CONVERT DRILL DEEPER REDRILL
 FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 7200'

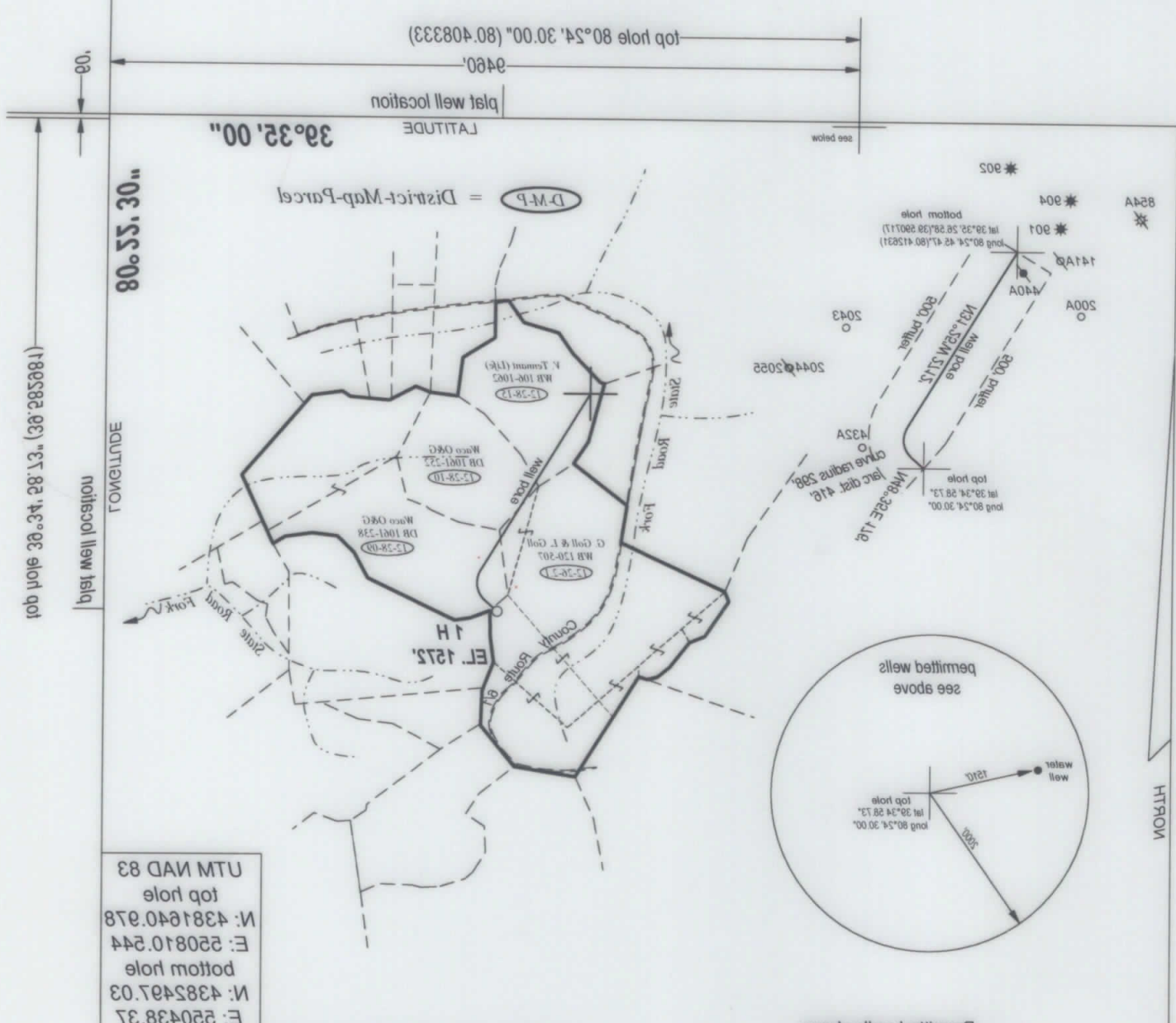
WELL OPERATOR TRANS ENERGY, INC. DESIGNATED AGENT LOREN BAGLEY
 ADDRESS P. O. BOX 393 ADDRESS P. O. BOX 393
ST. MARYS, WV 26170 ST. MARYS, WV 26170

FORM WW - 6

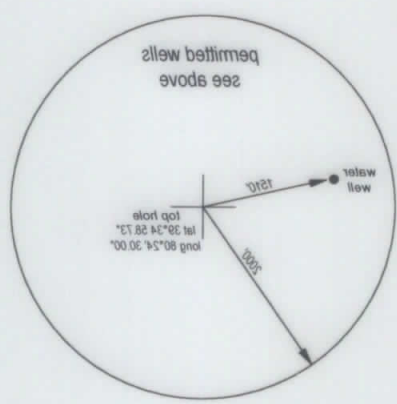
COUNTY NAME
 PERMIT

08/27/2021

WRH
 10-9-14

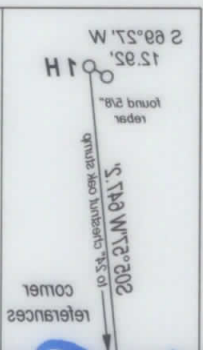
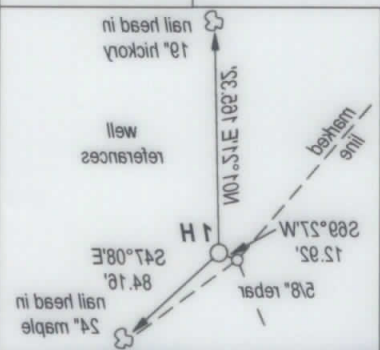


UTM NAD 83
 top hole
 N: 4381640.978
 E: 520810.544
 bottom hole
 N: 4382497.03
 E: 520438.37



Permitted wells shown
 within 500' of bore hole
 All water wells within
 2000' of top hole shown
 No buildings of any kind
 within 625' of top hole

BAKER, ET AL +/- 288.24 ACRE UNIT



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE _____
 OF ACCURACY 1:200
 PROVEN SOURCE _____
 OF ELEVATION GPS
 OBSERVATION _____

(SIGNED) _____
 PROFESSIONAL SURVEYOR: 551
 I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS
 PLAN 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 DEPARTMENT OF ENERGY



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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1525' WATER SHED STATE ROAD FORK OF PILES FORK
 DISTRICT MANNINGTON COUNTY MARION QUADRANGLE GLOVER GAP

SURFACE OWNER GARY G. GOLL & LARRY A. GOLL
 OIL & GAS ROYALTY BAKER, ET AL
 LEASE AC. +/- 288.24 ACREAGE 160.04

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL
 FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 7500'

WELL OPERATOR TRANS ENERGY, INC.
 ADDRESS P. O. BOX 393
 ST. MARYS, WV 26170

DESIGNATED AGENT LOREN BAGLEY
 ADDRESS P. O. BOX 393
 ST. MARYS, WV 26170

DATE SEPTEMBER 25TH 2014
 OPERATORS WELL NO. BAKER 1 H

APR 47 - 049 - 05304
 STATE COUNTY PERMIT

08/27/2014

top hole 39°34' 28.73" (39.585881)

LONGITUDE

lat well location

HTFROM

0 - WWW

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE CERTIFICATION

4704902364

Date of Notice Certification: 10/28/2014
7/3/2014
5/7/2014

API No. 47- _____
Operator's Well No. Baker 1H
Well Pad Name: Baker

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>550810.544</u>
County: <u>Marion</u>		Northing: <u>4381640.978</u>
District: <u>Mannington</u>	Public Road Access: <u>Co Rd 4/3</u>	
Quadrangle: <u>Glover Gap</u>	Generally used farm name: <u>Baker</u>	
Watershed: <u>State Road Fork of Pyles Fork</u>		

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 40px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
--	---

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Received
Office of Oil & Gas
OCT 29 2014

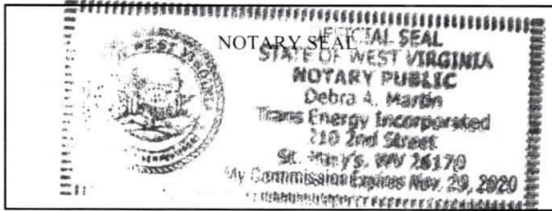
08/27/2021

4704902364

Certification of Notice is hereby given:

THEREFORE, I Leslie Gearhart, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification 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:	<u>Trans Energy Inc</u>	Address:	<u>210 2nd Street, P.O. Box 393, St. Marys, WV 26170</u>
By:	<u>Leslie Gearhart</u>		
Its:	<u>VP Operations</u>	Facsimile:	<u>304-684-3658</u>
Telephone:	<u>304-684-7053</u>	Email:	<u>debbiemartin@transenergyinc.com and/or lesliegearhart@transenergyinc.com</u>



Subscribed and sworn before me this 8th day of October.

Debra A Martin Debra A Martin Notary Public

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 telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
OCT 29 2014

08/27/2021

4704902364

Baker 1H and Baker 2H

Surface Owners

Match Plat - September 25, 2014

12-26-2.1 Larry A Goll
1003 Winding Creek Road
Apex, NC 27502

Larry & Kathleen Goll
1003 Winding Creek Road
Apex, NC 27502

12-26-2.1 Gary Goll
1837 Speedway St.
Fairmont, WV 26554

12-28-15 Virginia B Tennant
32 Old Town Rd
Metz, WV 26585

12-28-9 Waco Oil & Gas Co Inc.
12-28-10 and Mike Ross Inc.
P O Box 397
Glenville, WV 26351

Received
Office of Oil & Gas

OCT 29 2014

08/27/2021

4704902364

7010 1670 0001 5695 3287

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

Postage	\$ 47.30	02
Certified Fee	\$2.70	
Return Receipt Fee (Endorsement Required)	\$0.00	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 50.00	

Postmark Here
05-07/2014

Sent To: DOUGLASS A & LISA H HAYES
 Street, Apt. No. or PO Box No. US FORECHIT HOLLOW RD
 City, State, ZIP+4 WARRINGTON, WV 26592

PS Form 3800, August 2006 See Reverse for Instructions

7010 0780 0000 2923 7239

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

Postage	\$ 47.30	02
Certified Fee	\$2.70	
Return Receipt Fee (Endorsement Required)	\$0.00	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 50.00	

Postmark Here
05/07/2014

Sent To: CONSOLIDATION COAL COMPANY
 Street, Apt. No. or PO Box No. 100 CONSOL ENERGY DRIVE
 City, State, ZIP+4 COMMONSIDE, PA 15317

PS Form 3800, August 2006 See Reverse for Instructions

7010 1670 0001 5695 3805

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

Postage	\$ 47.30	02
Certified Fee	\$2.70	
Return Receipt Fee (Endorsement Required)	\$0.00	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 50.00	

Postmark Here
05/07/2014

Sent To: HARRY A GOLL
 Street, Apt. No. or PO Box No. 1003 WINDING CREEK RD
 City, State, ZIP+4 APEX, NC 27502

PS Form 3800, August 2006 See Reverse for Instructions

7010 1670 0001 5695 3799

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

Postage	\$ 47.30	02
Certified Fee	\$2.70	
Return Receipt Fee (Endorsement Required)	\$0.00	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 50.00	

Postmark Here
05/07/2014

Sent To: LARRY & KATHLEEN GOLL
 Street, Apt. No. or PO Box No. 1003 WINDING CREEK RD
 City, State, ZIP+4 APEX, NC 27502

PS Form 3800, August 2006 See Reverse for Instructions

7010 1670 0001 5695 3294

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

Postage	\$ 47.30	02
Certified Fee	\$2.70	
Return Receipt Fee (Endorsement Required)	\$0.00	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 50.00	

Postmark Here
NOV 3 2014
05/07/2014

Sent To: CARLY GOLL
 Street, Apt. No. or PO Box No. 1537 SPEEDWAY S1
 City, State, ZIP+4 FARMINGTON, WV 26554

PS Form 3800, August 2006 See Reverse for Instructions

7010 1670 0001 5695 3782

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

Postage	\$ 47.30	02
Certified Fee	\$2.70	
Return Receipt Fee (Endorsement Required)	\$0.00	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 50.00	

Postmark Here
08/27/2021

Sent To: MURPHY AMERTOWN ENERGY
 Street, Apt. No. or PO Box No. 1 BRIDGE ST.
 City, State, ZIP+4 MONROVIA, WV 26554

PS Form 3800, August 2006 See Reverse for Instructions

Received NOV 3 2014 Office of Oil and Gas WV Dept of Environmental Protection

4704902364

U.S. Postal ServiceTM
CERTIFIED MAILTM RECEIPT
(Domestic Mail Only. No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

POSTAL SERVICE

Postage	\$	4.75
Certified Fee		\$7.10
Return Receipt Fee (Endorsement Required)		\$1.14
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	\$12.99

17/NOV/2014
 JUL 3 2014
 Postmark
 Here
 USPS

Sent To: Virginia B Tennant
 Street At: 32 Old Town Rd
 or PO Box: Metz, WV 26585
 City/State: _____

PS Form 381

4115

Received

NOV 3 2014

08/27/2021

Office of Oil and Gas
WV Dept. of Environmental Protection

U.S. Postal ServiceTM
CERTIFIED MAILTM RECEIPT
(Domestic Mail Only. No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

POSTAL SERVICE

Postage	\$	9.30
Certified Fee		\$7.10
Return Receipt Fee (Endorsement Required)		\$1.14
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	\$17.54

17/NOV/2014
 JUL 3 2014
 Postmark
 Here
 USPS

Sent To: Waco Oil and Gas Co Inc.
 Street At: _____
 or PO Box: And Mike Ross
 P O Box 397
 City/State: _____
 Glenville, WV 26351

PS Form 381

4115

7013 3020 0000 2045 3150

4704902364

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$7.35
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$13.35

Postmark Here
 JUL 11 2014

Douglas A & Lisa A Hayes
 68 Polecat Hollow Rd
 Mannington, WV 26582

Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$7.35
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$13.35

Postmark Here
 JUL 11 2014

Gary Goll
 1837 Speedway St.
 Fairmont, WV 26554

Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$7.35
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$13.35

Postmark Here
 JUL 11 2014

Waco Oil & Gas Co. Inc.
And Mike Ross Inc.
 PO Box 397
 Glenville, WV 26351

Received

Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$8.75
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$14.75

Postmark Here
 JUL 11 2014

Larry A & Kathleen Goll
 1003 Winding Creek Rd
 Apex, NC 27502

Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$7.35
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$13.35

Postmark Here
 JUL 11 2014

Virginia B. Tennant
 32 Old Town Rd
 Metz, WV 26585

Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$7.35
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$13.35

Postmark Here
 JUL 11 2014

Consolidation Coal Company
 1000 Consol Energy Drive
 Cannonsburg, PA 15317

Instructions

NOV 3 2014

08/27/2021

7013 3020 0000 2045 3341

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$ 13.30	02	Postmark Here
Certified Fee	12.70		
Return Receipt Fee (Endorsement Required)	0.00		
Restricted Delivery Fee (Endorsement Required)	13.55	10/28/2014	
Total Postage & Fees	\$ 39.55		

Sent To: Waco Oil & Gas Co Inc. & Mike Ross Inc.
 Street or PO: P O Box 397
 City, State: Glenville, WV 26351

PS Form Instructions

4704902364

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$ 13.30	02	Postmark Here
Certified Fee	12.70		
Return Receipt Fee (Endorsement Required)	0.00		
Restricted Delivery Fee (Endorsement Required)	13.55	10/28/2014	
Total Postage & Fees	\$ 39.55		

Sent To: Larry A Goll
 Street, Ap or PO Box: 1003 Winding Creek Rd
 City, State: Apex, NC 27502

PS Form Instructions

7013 3020 0000 2045 3334

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$ 12.70	02	Postmark Here
Certified Fee	12.70		
Return Receipt Fee (Endorsement Required)	0.00		
Restricted Delivery Fee (Endorsement Required)	12.70	10/28/2014	
Total Postage & Fees	\$ 38.10		

Sent To: Murray Energy Corp, Attn: Alex O'Neil
 Street or PO: 46226 National Rd W
 City, State: St. Clairsville, OH 43950

PS Form Instructions

7013 3020 0000 2045 3327

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$ 12.70	02	Postmark Here
Certified Fee	12.70		
Return Receipt Fee (Endorsement Required)	0.00		
Restricted Delivery Fee (Endorsement Required)	13.00	10/28/2014	
Total Postage & Fees	\$ 38.40		

Sent To: Gary G Goll
 Street or PO: 1837 Speedway Ave
 City, State: Fairmont, WV 26554

PS Form Instructions

7013 3020 0000 2045 3303

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	\$ 13.30	02	Postmark Here
Certified Fee	12.70		
Return Receipt Fee (Endorsement Required)	0.00		
Restricted Delivery Fee (Endorsement Required)	13.55	10/28/2014	
Total Postage & Fees	\$ 39.55		

Sent To: Virginia B Tennant
 Street or PO: c/o Brenda L Tennant
 City, State: 36 Old Town Rd
 Metz, WV26585

PS Form Instructions

Received
Office of Oil & Gas
OCT 29 2014

08/27/2021

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION**

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 10/28/2014 **Date Permit Application Filed:** 10/28/2014

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)
 Name: Gary G Goll ✓
 Address: 1837 Speedway Ave
 Fairmont, WV26554

Name: Larry A Goll ✓
 Address: 1003 Winding Creek Rd
 Apex, NC 27502

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE
 Name: Murray Energy Corp. Attn: Alex O'Neil ✓
 Address: 46226 National Rd W
 St. Clairsville OH 43950

COAL OPERATOR
 Name: _____
 Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
 Name: Gary G Goll ✓ Larry A Goll ✓
 Address: 1837 Speedway Ave 1003 Winding Creek Rd
 Fairmont, WV 26554 Apex, NC 27502

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

Received
Office of Oil & Gas
OCT 29 2014

08/27/2021

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

Received
Office of Oil & Gas

OCT 29 2014

08/27/2021

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. Baker 1H
Well Pad Name: Baker

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Received
Office of Oil & Gas

OCT 29 2014

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

08/27/2021

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. Baker 1H
Well Pad Name: Baker

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) 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.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and 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.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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Office of Oil & Gas
OCT 29 2014

08/27/2021

WW-6A
(8-13)

4704902364
API NO. 47-
OPERATOR WELL NO. Baker 1H
Well Pad Name: Baker

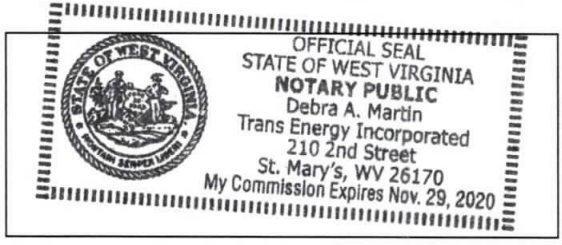
Notice is hereby given by:

Well Operator: Trans Energy Inc.
Telephone: 304-684-7053
Email: debbiemartin@transenergyinc.com and lesliegearhart@transenergyinc.com

Address: 210 2nd Street, P O Box 393, St. Marys, WV 26170
Debra A. Martin
Facsimile: 304-684-3658

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.



Subscribed and sworn before me this 8th day of October 2014
Debra A Martin *Debra A. Martin* Notary Public
My Commission Expires November 29, 2020

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Office of Oil & Gas
OCT 29 2014

08/27/2021

08/27/2021

4704902364

Baker 1H and Baker 2H

Surface Owners

Match Plat - September 25, 2014

12-26-2.1 Larry A Goll ✓
1003 Winding Creek Road
Apex, NC 27502

Larry & Kathleen Goll ✓
1003 Winding Creek Road
Apex, NC 27502

12-26-2.1 Gary Goll ✓
1837 Speedway St.
Fairmont, WV 26554

12-28-15 Virginia B Tennant ✓
32 Old Town Rd
Metz, WV 26585

12-28-9 Waco Oil & Gas Co Inc. ✓
12-28-10 and Mike Ross Inc.
P O Box 397
Glenville, WV 26351

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Office of Oil & Gas
OCT 29 2014

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1704902364

7013 3020 0000 2045 3341

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Postage	\$ 17.30	02	Postmark Here
Certified Fee	\$2.70		
Return Receipt Fee (Endorsement Required)	\$0.00		
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$13.55	10/28/2014	

Sent To: Waco Oil & Gas Co Inc. & Mike Ross Inc.
 Street or PO: P O Box 397
 City, State: Glenville, WV 26351

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Postage	\$ 9.00	02	Postmark Here
Certified Fee	\$3.30		
Return Receipt Fee (Endorsement Required)	\$2.70		
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$15.00	10/28/2014	

Sent To: Larry A Goll
 Street, Apt or PO Box: 1003 Winding Creek Rd
 City, State: Apex, NC 27502

PS Form Instructions

7013 3020 0000 2045 3334

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Postage	\$ 3.30	02	Postmark Here
Certified Fee	\$2.70		
Return Receipt Fee (Endorsement Required)	\$0.00		
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$12.70	10/28/2014	

Sent To: Murray Energy Corp, Attn: Alex O'Neil
 Street or PO: 46226 National Rd W
 City, State: St. Clairsville, OH 43950

PS Form Instructions

7013 3020 0000 2045 3327

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Postage	\$ 6.70	02	Postmark Here
Certified Fee	\$3.30		
Return Receipt Fee (Endorsement Required)	\$2.70		
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$12.70	10/28/2014	

Sent To: Gary G Goll
 Street, Apt or PO Box: 1837 Speedway Ave
 City, State: Fairmont, WV 26554

PS Form Instructions

7013 3020 0000 2045 3303

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Postage	\$ 3.30	02	Postmark Here
Certified Fee	\$2.70		
Return Receipt Fee (Endorsement Required)	\$0.00		
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$13.55	10/28/2014	

Sent To: Virginia B Tennant
 Street or PO: c/o Brenda L Tennant
 City, State: 36 Old Town Rd
 Metz, WV26585

PS Form Instructions

Received
Office of Oil & Gas
OCT 29 2014

08/27/2021

WW-6A5
(1/12)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 10/28/2014 **Date Permit Application Filed:** 10/28/2014

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL HAND
- RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Gary G Goll
Address: 1837 Speedway Ave
Fairmont, WV 26554
W/WWW-6A

Name: Larry A Goll
Address: 1003 Winding Creek Rd
Apex, NC 27502
W/WWW-6A

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	West Virginia	UTM NAD 83	Easting:	550810.544
County:	Marion		Northing:	4381640.978
District:	Mannington	Public Road Access:	Co Rd 4/3	
Quadrangle:	Glover Gap	Generally used farm name:	Baker	
Watershed:	State Road Fork of Pyles Fork			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Trans Energy Inc
Telephone: 304-684-7053
Email: debblmartin@transenergyinc.com and/or lesliegearhart@transenergyinc.com

Address: 210 2nd Street, P O Box 393, St. Marys, WV 26170
Facsimile: 304-684-3658

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
OCT 29 2014



4704902364

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin
Governor

Paul A. Mattox, Jr., P. E.
Secretary of Transportation/
Commissioner of Highways

August 6, 2014

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the Baker 1H Well Site, Marion County

Dear Mr. Martin,

This well site will be accessed from Permit #04-2014-0872 which has been applied for by Trans Energy, Inc. for access to the State Road for a well site located between Marion County Route 4/3 SLS. The DOH permit to enter upon State Right of Way for a commercial driveway must be approved before beginning site work for the approach.

The operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton
Regional Maintenance Engineer
Central Office Oil & Gas Coordinator

Cc: Leslie Gearhart
P.O. Box 393
St. Marys, WV 26170
TransEnergy, Inc.
CH, OM, D-4
File

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Office of Oil & Gas

OCT 29 2014

**OIL AND GAS ROAD
DISTRICT WIDE BONDING AGREEMENT**
For DOH District 4



THIS AGREEMENT, executed in duplicate, made and entered into this 21st day of June, 2012, by and between the WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, hereinafter called "DEPARTMENT," and Trans Energy Inc., _____ company, hereinafter called "COMPANY."

WITNESSETH:

WHEREAS, Company has horizontal gas well drilling operations in certain areas of West Virginia; and

WHEREAS, the Department believes that the frequent and repetitive use of certain sections of highways in the State by Company, its contractors, agents, independent contractors or suppliers of drilling materials or drilling equipment, and employees contributes to increased wear and tear to public roads in the state road system in the State, including local roads ("State Owned Roads"); and,

WHEREAS, the Department and Company have entered into this Agreement to satisfy the requirements of the Department's policy entitled "Oil & Gas Road Policy" dated January 3, 2012, as issued by Paul A. Mattox, Jr., Secretary of Transportation / Commissioner of Highways, and any subsequent related policies, hereinafter called "Policy", a copy of which is made a part of this Bonding Agreement and is identified as Attachment 1.

NOW, THEREFORE, for and in consideration of the mutual agreements hereinafter set forth, the parties agree as follows:

I. For purposes of this Bonding Agreement, "Project Transportation Usage" of the Company shall be understood to mean use of one or more State Owned Roads for the delivery and removal of drilling materials and drilling equipment at the site or location of one or more of Company's horizontal gas well pad locations. To the extent reasonably practical, prior to commencing use of a State Owned Road for Project Transportation Usage after January 1, 2011, the Company shall submit to the Department a section or sections of current official WVDOH County Highway maps identifying the exact location of the proposed project and the State Owned Roads that the Company will utilize for the Project Transportation Usage.

II. Company and Department shall within 14 days of the Company's submittal, agree to a list of these sections of State Owned Roads, hereinafter called "Project Roads List", to be utilized for each of Company's projects, identified by route number and milepost, at a time to be mutually agreed to by the parties prior to initial commencement of Project Transportation Usage of a particular State Owned Road on a Project Roads List, the Company and Department will jointly review the condition of the roads and bridges on the Project Roads List. The Department will document the road type and surface condition and general right-of-way width of each section of road on the Project Road List. Either party may supplement this documentation with photographs, video or other evidence of the present condition of the road surface, shoulders, ditches, culverts, bridges or other structures or appurtenances of roads on the Project Road List, as well as approaches to the roads, utility facilities located within or along the right-of-way, or any other condition, including third-party activities, that may affect the duties and responsibilities of the parties under this Agreement. A copy of any such documentation must be made and provided to the other party within ten business days after the joint review of the roads on the Project Roads List.

III. Department shall issue a Project Agreement or Project Permit, as appropriate, to Company to use State Owned Roads and may include any minor or major improvements

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NOV 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

08/27/2021

required of Company prior to, during or after Project with the assignment of responsibilities of both parties prior to, during and after the operator has completed well fracturing..

IV. In the Project Agreement/Project Permit, the Department shall not require the use of State Owned Roads other than the roads proposed by Company unless the Department has safety concerns as to the Company's proposed roads. A failure to agree on roads that may otherwise be lawfully used for a particular Project Transportation Usage shall result in the designation of the State Owned Roads proposed by Company, with milepost determinations as designated by Department. This Agreement shall only cover portions of State Owned Roads designated on the Project Roads List.

V. For the duration of Company's Project Transportation Usage of the Stated Owned Roads on the Project Roads List, whether by the Company, its contractors (while working on behalf of Company), agents, independent contractors or suppliers of drilling materials or drilling equipment, or employees, the Company agrees to pay for all reasonable maintenance and repair costs incurred by the Department to repair areas of the State Owned Roads included in the Project Roads List that were directly damaged by Company's Project Transportation Usage, as determined to be reasonably necessary and appropriate by the Department. The Department shall keep a record of all labor performed by Department employees and contractors for such maintenance and repairs and shall send an invoice for the same to Company.

VI. Company shall be responsible for the cost of all maintenance and repairs reasonably necessary to put the existing roadways, bridges and appurtenances on the Project Roads List utilized for the Project Transportation Usage in the condition that existed immediately prior to the Project Transportation Usage. Company shall not be required to pay for maintenance or repairs to put any areas of such roadways, bridges and appurtenances on the Project Roads List in a condition better than the condition that existed immediately prior to the Project Transportation Usage. Company shall also not be required to pay for maintenance or repairs to any areas of these roadways, bridges or appurtenances on the Project Roads List that are not actually utilized for the Project Transportation Usage or for damage not caused by Project Transportation Usage.

VII. Company shall notify the Department in writing of Company's final completion of Project Transportation Usage for particular roadways, bridges and appurtenances on the Project Roads List. Within fourteen days after its receipt of written notification of the completion of the Project Transportation Usage for all roads on a Project Roads List, the Department will review the condition of the roadways, bridges and appurtenances on the Project Roads List actually utilized for the Project Transportation Usage and advise Company of any final repairs reasonably necessary to leave these roads, bridges and appurtenances in a condition reasonably deemed by Department to be equal to their condition prior to commencement of Project Transportation Usage; and, upon completion of all such final repairs by or on behalf of Company and acceptance by Department, the Company shall be released from all further liability for maintenance or repairs to roads, bridges, or appurtenances on said Project Roads List. Any maintenance or repair work under the Project Agreement/Project Permit for roads, bridges or appurtenances on the Project Roads List may be performed by a contractor directly chosen by the Company as approved by the Department, the Department's workforce, or a private contractor hired by the Department through the public bid process in accordance with state law, all of which work shall be subject to the standards and specifications of the Department.

NOV 3 2014

VIII. In order to ensure performance of Company's performance and payment obligations under this Bonding Agreement, the Company shall post a corporate surety bond, hereinafter called "Master Bond", with the Department named as the beneficiary, which form of bond shall be subject to the consent of the Department, not to be unreasonably withheld. The amount and form of the bond shall be in accordance with the Policy as set forth above. However, the amount of the Master Bond does not limit the amount of claims that may be made by the Department against the Company under this Bonding Agreement. The Company shall provide the Master Bond to the Department within one (1) month after the execution of this Bonding Agreement. The Master Bond shall secure the good faith performance of all payment obligations of Company under the terms of this Bonding Agreement respecting the roads, bridges and appurtenances on the Project Roads List for each Project Transportation Usage undertaken by the Company, and shall remain in effect until termination of this Agreement. Company shall not be obligated to provide any other bonds, sureties, or other guarantees of performance to the

06/27/2021

Department for Company's use of State Owned Roads, except as required in this Agreement.

IX. Company shall maintain Commercial General Liability Insurance in the amount of two million dollars, with a minimum coverage of one million dollars per occurrence, for personal injury or death to persons, or for property damage, resulting from Company's Project Transportation Usage and shall present evidence of such insurance to Department upon request.

X. Company's usage of State Owned Roads under the Project Agreement/Project Permit shall comply with all applicable Federal, State and local laws and regulations including, but not limited to, to the extent applicable, the National Environmental Policy Act, Section 404 of the Clean Water Act, Section 106 of the National Historic Preservation Act, Rare, Threatened and Endangered Species Act, Section 401 Water Quality Certification, and hazardous waste requirements. Further, upon reasonable written request of Department, Company shall furnish Department with acceptable documentation of such compliance which is in the possession of the Company.

XI. Company shall defend, indemnify and hold Department harmless from and against any and all losses, damage, and liability, and from all claims for damages on account of or by reason of bodily injury, including death, which may be sustained, or claimed to be sustained, by any person or persons, including employees of Department, and from and against any and all claims, losses or liabilities for damages to property, arising out of the negligent or willful acts or omissions of Company, its agents, independent contractors and suppliers of drilling materials or drilling equipment, employees and contractors, in the performance of all Project Transportation Usage activities undertaken pursuant to this Agreement (collectively, "claims"). The Company shall not be responsible to indemnify, defend or hold harmless Department for any claims caused by the negligent or willful acts or omissions of the Department or its agents, employees and contractors or third parties not performing work at the direction of Company or delivering drilling equipment or drilling materials, including water, for use by or for company.

XII. If a provision of this Agreement is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability of any other provision of this Agreement; or the validity or enforceability in other jurisdictions of that or any other provision of this Agreement.

XIII. Department shall give Company a minimum of thirty days written notice of default under the terms of this Bonding Agreement and the opportunity to cure this default during such thirty-day period. If a default is not cured to the satisfaction of Department, or provision acceptable to Department is not made for a cure, Department may then elect to terminate this Bonding Agreement in whole or in part, and may in addition exercise its rights under the Master Bond or seek any other lawful relief available. Company may terminate this Bonding Agreement upon thirty days written notice to Department for any reason. In the event Company terminates this Agreement for any reason, it shall be liable for the repair and maintenance costs set forth above for prior Project Transportation Usage.

XIV. Nothing herein shall be construed to mean that Company shall have any jurisdiction or control over any public roads in the state road system.

XV. Company, its contractors, agents, employees and suppliers shall at all times be subject to applicable provisions of state and federal law, including without limitation laws requiring operation of vehicles in accordance with legal size and weight restrictions and posted weight limits. Oversize/overweight permits for vehicle or loads not otherwise conforming with law must be obtained in accordance with law; Department agrees to work in good faith with Company to review and grant (where authorized by law) such permits in a timely manner upon request by Company.

XVI. This Bonding Agreement shall be construed and enforced in accordance with the laws of the State of West Virginia, as they may be amended.

XVII. This Bonding Agreement shall be binding upon the successors and assigns of each party hereto.

08/27/2021
Received

NOV 3 2014

IN WITNESS WHEREOF, the parties hereto have caused this Bonding Agreement to be executed by their duly authorized officers effective as of the date first above written.

WEST VIRGINIA DEPARTMENT OF
TRANSPORTATION,
DIVISION OF HIGHWAYS

Doreen Baria
Witness - Executive Secretary

By: Mark Murphy
State Highway Engineer

Trans Energy Inc.

John J. Ferris
Witness

By: Gene Albrecht

Title: VP - Operations

(To be executed in duplicate)

APPROVED AS TO FORM THIS
9th DAY OF July 2012

[Signature]
ATTORNEY LEGAL DIVISION
WEST VIRGINIA DIVISION
OF HIGHWAYS

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NOV 3 2014

08/27/2021
Office of Oil and Gas
WV Dept. of Environmental Protection