

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

API: **47-049-02270** County: **MARION** District: **MANNINGTON**
 Quad: **GLOVER GAP** Pad: **SHAVER** Field/Pool Name: **MARCELLUS SHALE**
 Farm name: BLACKSHERE WELL NAME : **SHAVER 2H**
 Operator (as registered with the OOG): **TRANS ENERGY, INC.**
 Address: **P. O. BOX 393** City: **ST. MARYS** State: **WV** Zip: **26170**

As Drilled Location NAD 83/UTM *** SEE ATTACHED AS-BUILT WELL LOCATION MAP ***

Top hole	Northing	4379573	Easting	547011
Landing Point of curve	Northing	4377629	Easting	547777
Bottom hole	Northing	4381022	Easting	547261

Elevation (ft): **1427'** Type of Well: **NEW** Type of Report: **FINAL**

Permit Type: **HORIZONTAL 6A** Depth Type: **SHALLOW**

Type of Operation: **DRILL**

Well Type: **GAS**

Type of Completion: **SINGLE** Fluids Produced: **BRINE, GAS and NGL**

Drilled With: **ROTARY**

Drilling Media: **MUD** Intermediate hole: **MUD**

Production hole: **MUD**

Mud Type(s) and Additive(s) **MUD TYPE - SYNTHETIC BASE DRILLING MUD**

ADDITIVES:	Calcium Carbonate	Hydrated Lime	Synvert Synthetic 1-L	Citric Acid	Drispac Low Vis
	Calcium Chloride	Cedar Fiber	Bentonite	Sodium Bicarbonate	L-20C
	Synvert LEM	Rubber Crumb	Soda Ash, dense	Glycerine	Bioclear
	Synvert Synthetic WA-L	Cottonseed Hulls	Lignite	Desco	
	Barite	Synvert Synthetic 11-L	Aluminum Sterate	Caustic Soda Beads	

Date permit issued: **10/23/2013** Date drilling commenced: **7/24/2014** Date drilling ceased: **8/29/2014**

Date completion activities began: **11/12/2014** Date completion activities ceased: **12/1/2014**

Verbal plugging: **N/A** Date permission granted: **N/A** Granted by: **N/A**

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug.

Fresh water depth (s) ft: **50', 150'** Open mine(s) (Y/N) depths: **Y, MASON DIXON**

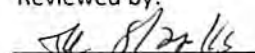
Salt water depth(s) ft: **1525'** Void(s) encountered (Y/N) depths: **N**

Coal Depth(s) ft: **900'** Cavern(s) encountered (Y/N) depths: **N**

Is coal being mined in area (Y/N) **N**

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Reviewed by: 

WV Department of
Environmental Protection

10/30/2015

API: 47-049-02270 WELL NAME : SHAVER 2H

CASING STINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) Provide details below.
Conductor	-	<u>20"</u>	<u>118'</u>	<u>NEW</u>	<u>J-55 / 94</u>	-	-
Surface	<u>17 1/2'</u>	<u>13 7/8"</u>	<u>1,037'</u>	<u>NEW</u>	<u>J-55 / 54.5</u>	-	<u>YES</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>12 1/4"</u>	<u>9 5/8"</u>	<u>3,126'</u>	<u>NEW</u>	<u>J-55 / 36</u>	-	<u>YES</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>8 3/4"</u>	<u>5 1/2"</u>	<u>13,502'</u>	<u>NEW</u>	<u>P-110 / 20</u>	-	<u>YES</u>
Tubing	-	-	-	-	-	-	-
Packer type and Depth Set							

Comment Details:

CEMENT DATA	Class / type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	-	-	-	-	-	-	-
Surface	<u>TYPE 1</u>	-	<u>15.6</u>	<u>6.2</u>	-	<u>SURFACE</u>	<u>12.25</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>TYPE 1</u>	<u>1006</u>	<u>15.6</u>	<u>1.2</u>	<u>1207</u>	<u>SURFACE</u>	<u>12.5</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>CLASS H</u>	<u>1275</u>	<u>13.5</u>	<u>1.18</u>	<u>2790</u>	<u>SURFACE</u>	<u>10</u>
Tubing	-	-	-	-	-	-	-

Drillers TD (ft): 13,802' Loggers TD (ft): 13,800'

Deepest formation penetrated: MARCELLUS SHALE Plug back to (ft): N/A

Plug back procedure: N/A

Kick off depth (ft) 7,393'

Check all wireline logs run: caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored? NO Were cuttings collected? NO

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

FRESH WATER STRING - 1 CENTRALIZER EVERY 160'

INTERMEDIATE STRING - 1 CENTRALIZER EVERY 100' FROM 3,300' TO 900'

PRODUCTION STRING - 1 CENTRALIZER EVERY 80' FROM TD AND ABOVE ROP (7,000')

WAS WELL COMPLETED AS SHOT HOLE? YES DETAILS: _____

WAS WELL COMPLETED OPEN HOLE? NO DETAILS: _____

WERE TRACERS USED? NO TYPE OF TRACER(S) USED: N/A

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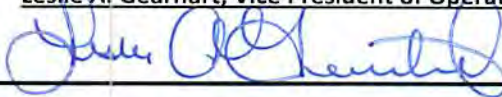
API:	<u>47-049-02270</u>	WELL NAME : <u>SHAVER 2H</u>
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Drilling Contractor: NABORS DRILLING, USA LP
Address: 515 WEST GREENS ROAD, SUITE 1000 City: HOUSTON State: TX Zip: 77067-4525

Logging Contractor: BAKER HUGHES
Address: 17015 ALDINE WESTFIELD ROAD City: WOOSTER State: OH Zip: 44691

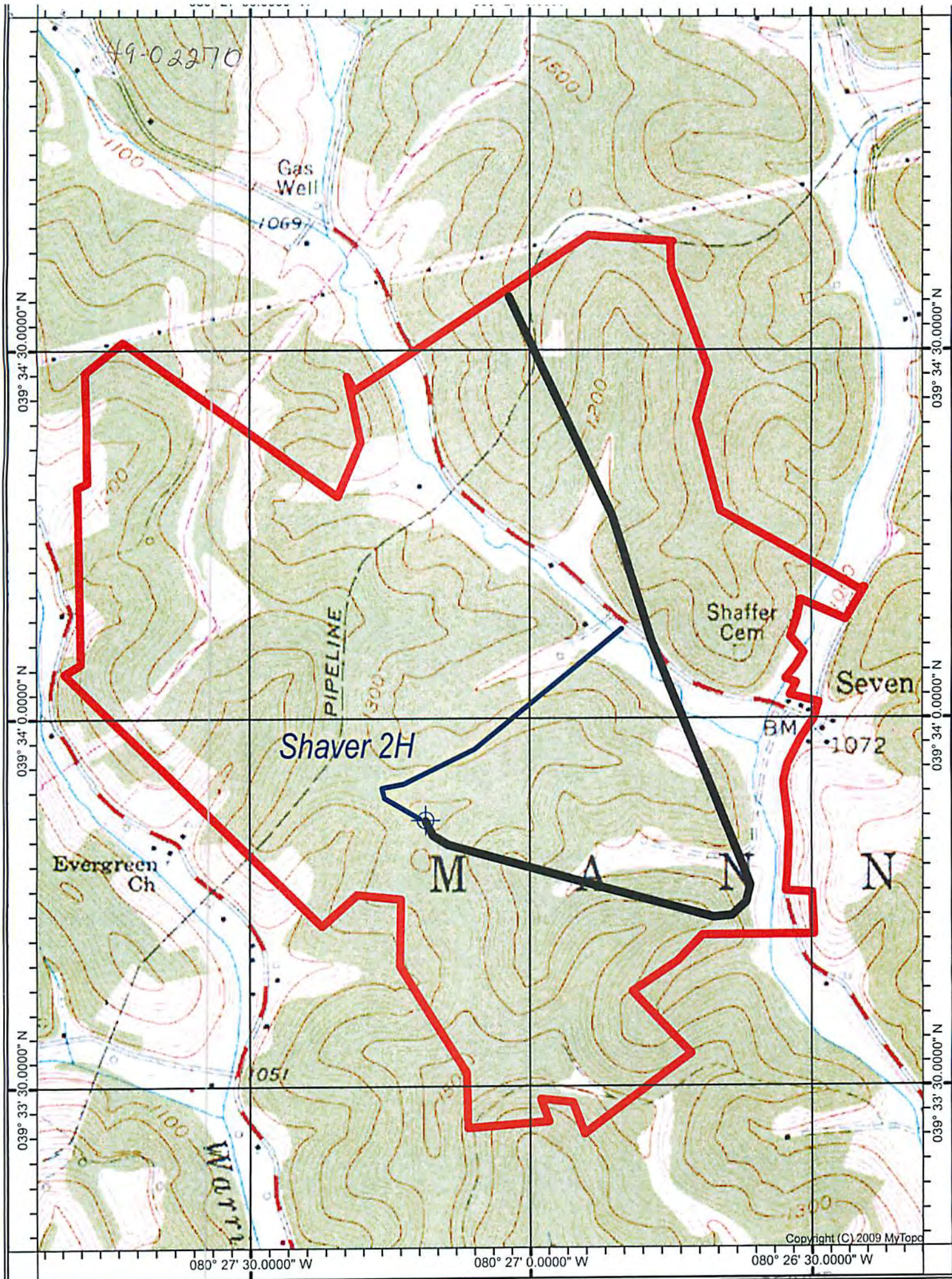
Cementing Company: BAKER HUGHES
Address: 17015 ALDINE WESTFIELD ROAD City: WOOSTER State: OH Zip: 44691

Stimulating Company: GO FRAC
Address: 7000 CALMONT AVENUE, SUITE 310 City: FORT WORTH State: TX Zip: 76116

Completed by: Leslie A. Gearhart, Vice President of Operations Telephone: 304/684-7053
Signature:  DATE: 8-4-15

****SEE ATTACHMENT "HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE"*****

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GLOVER GAP QUADRANGLE

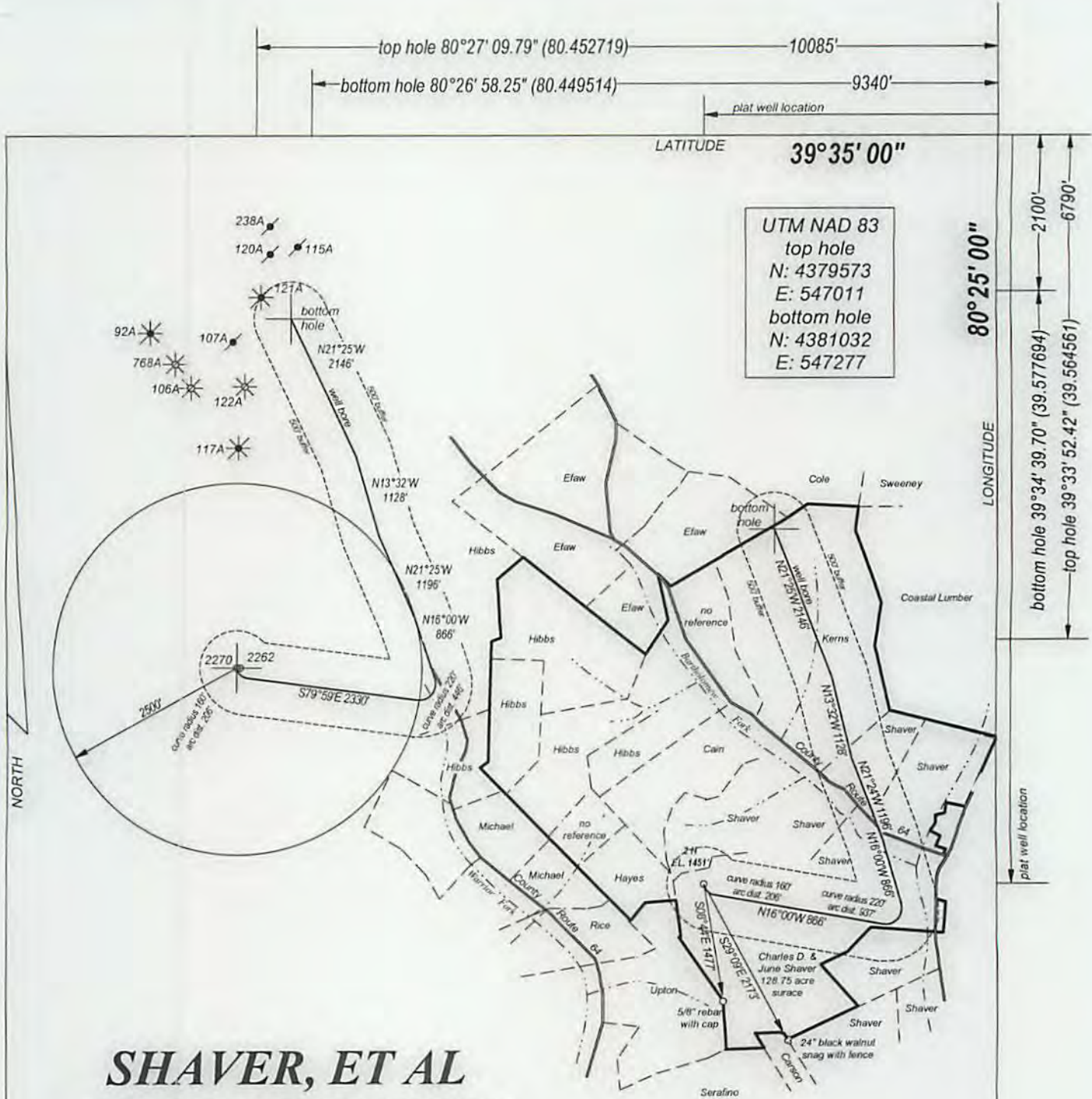
SCALE 1" = 1000'

TRANS ENERGY, INC.

WELL: SHAVER 2H API 47-049-02270
 SHAVER, ET AL 428.77 ACRE UNIT

MANNINGTON DISTRICT MARION COUNTY WEST VIRGINIA

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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 JULY 25TH, 2015
 OPERATORS WELL NO. SHAYER 2H
 AS DRILLED

API 47 - 049 -02270
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1451' WATER SHED BARTHOLOMEW FORK
 DISTRICT MANNINGTON COUNTY MARION QUADRANGLE GLOVER GAP

SURFACE OWNER CHARLES D. & JUNE SHAYER ACREAGE 128.75
 OIL & GAS ROYALTY SHAYER, ET AL LEASE AC 428.77

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 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
 PREMIT

10/30/2015