



March 9, 2016

John Kearney
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304

RE: WR-35 Well Record Completion Report
Marion County, West Virginia
Well Drilled, Not Completed

Dear John:

Enclosed for your records is a WR-35 Well Record Completion Report for Michael 1H well, API# 47-049-02278. This report details the well completion in progress; the well has not been fractured to date.

Should you have any questions, please do not hesitate to contact Leslie Gearhart at (304) 684-7053.

Sincerely,

Carina L. Card
Land Administrator

clc
Enclosures

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

API: 47-049-02278 County: MARION District: MANNINGTON
 Quad: GLOVER GAP Pad: MICHAEL Field/Pool Name: MARCELLUS SHALE
 Farm name: BLACKSHERE WELL NAME: MICHAEL 1H
 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	<u>4376918</u>	Easting	<u>550369</u>
Landing Point of curve	Northing	<u>4378667</u>	Easting	<u>550540</u>
Bottom hole	Northing	<u>4376918</u>	Easting	<u>550920</u>

Elevation (ft): 1390' Type of Well: NEW Type of Report: INTERIM

Permit Type: HORIZONTAL 6A Depth Type: SHALLOW

Type of Operation: DRILL

Well Type: GAS

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

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	Bloclear
	Synvert Synthetic WA-L	Cottonseed Hulls	Lignite	Desco	
	Barite	Synvert Synthetic 11-L	Aluminum Sterate	Caustic Soda Beads	

Date permit issued: 03/13/2014 Date drilling commenced: 11/28/2014 Date drilling ceased: 1/20/2015

Date completion activities began: N/A Date completion activities ceased: N/A

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: 60', 150' Open mine(s) (Y/N) depths: N

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

Coal Depth(s) ft: 1200' Cavern(s) encountered (Y/N) depths: N

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

Reviewed by: _____

API: 47-049-02278 WELL NAME: MICHAEL 1H

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>24"</u>	<u>20"</u>	<u>110'</u>	<u>NEW</u>	<u>J-55 / 94</u>	-	-
Surface	<u>17 1/2"</u>	<u>13 3/8"</u>	<u>1250'</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>3,008'</u>	<u>NEW</u>	<u>J-55 / 33</u>	-	<u>YES</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>8 3/4"</u>	<u>5 1/2"</u>	<u>12,991'</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>930</u>	<u>15.2</u>	<u>1.2</u>	-	<u>SURFACE</u>	<u>12</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>TYPE 1</u>	<u>970</u>	<u>9.5</u>	<u>1.2</u>	<u>1300'</u>	<u>SURFACE</u>	<u>12</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>CLASS H</u>	<u>1380, 1130</u>	<u>13.5, 15.6</u>	<u>1.35, 1.19</u>	<u>1823, 1405</u>	<u>SURFACE</u>	<u>10</u>
Tubing	-	-	-	-	-	-	-

Drillers TD (ft): 16,328' Loggers TD (ft): 16,327'

Deepest formation penetrated: MARCELLUS SHALE Plug back to (ft): 13,843'

Plug back procedure: LEFT FISH IN HOLE TOP @ 14,000'; RAN CASING TO 13,843' AND CEMENTED.

Kick off depth (ft) 3,101'

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 3300' TO 900'

PRODUCTION STRING - 1 CENTRALIZER EVERY 80' FROM TD TO ABOVE ROP

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

API:	47-049-02278	WELL NAME: MICHAEL 1H
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***** WELL HAS NOT BEEN STIMULATED *****

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Other Units
			N/A					

API: 47-049-02278 WELL NAME : MICHAEL 1H

PRODUCING FORMATION(S) DEPTHS
MARCELLUS SHALE 7850' TVD 13843' MD

GAS TEST: N/A OIL TEST: N/A

SHUT-IN Surface: _____ psi Bottom hole: _____ psi DURATION OF TEST: _____ hrs

OPEN FLOW
 GAS: _____ mcfpd OIL: _____ bpd NGL: _____ bpd WATER: _____ bpd GAS MEASURED BY: ESTIMATED

LITHOLOGY / FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC)
SAND	<u>1546'</u>	<u>1614'</u>			
MAXTON	<u>1958'</u>	<u>1993'</u>			
BIG INJUN	<u>2075'</u>	<u>2161'</u>			
BEREA	<u>2283'</u>	<u>2316'</u>			
GORDON	<u>2715'</u>	<u>2780'</u>			
BENSON	<u>4785'</u>	<u>4821'</u>			
MIDDLESEX	<u>7408'</u>	<u>4912'</u>			
BURKETT	<u>7612'</u>	<u>6884'</u>			
TULLY	<u>7650'</u>	<u>6988'</u>			
MARCELLUS	<u>7778'</u>	<u>7080'</u>			
ONONDAGA	<u>7842'</u>				

Please insert additional pages as applicable.

API:	<u>47-049-02278</u>	WELL NAME: <u>MICHAEL 1H</u>
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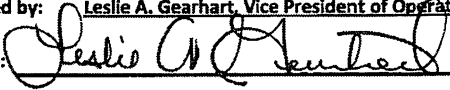
Drilling Contractor: HELMERICH & PAYNE DRILLING INC.
Address: 912 N EAGLE VALLEY ROAD City: HOWARD State: PA Zip: 16841

Logging Contractor: BAKER HUGHES
Address: P. O. BOX 301057 City: DALLAS State: TX Zip: 75303

Cementing Company: BAKER HUGHES
Address: P. O. BOX 301057 City: DALLAS State: TX Zip: 75303

Stimulating Company: N/A
Address: City: State Zip:

Completed by: Leslie A. Gearhart, Vice President of Operations Telephone: 304/684-7053

Signature:  DATE: 3-4-16

****NO ATTACHMENT FOR HYDRAULIC FRACTURING FLUID - WELL HAS NOT BEEN FRACTURED YET****

AS DRILLED

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

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

LOCATION: ELEVATION 1397, WATER SHED DENNIS RUN & BARTHOLOMEW FORK
 DISTRICT MANNINGTON COUNTY MARION QUADRANGLE GLOVER GAP

SURFACE OWNER: JUANITA O. MICHAEL & WILLIAM J. MICHAEL
 OIL & GAS ROYALTY: HAYES, ET AL

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

DATE: DECEMBER 25TH, 2018
 OPERATORS WELL NO.: MICHAEL 1H

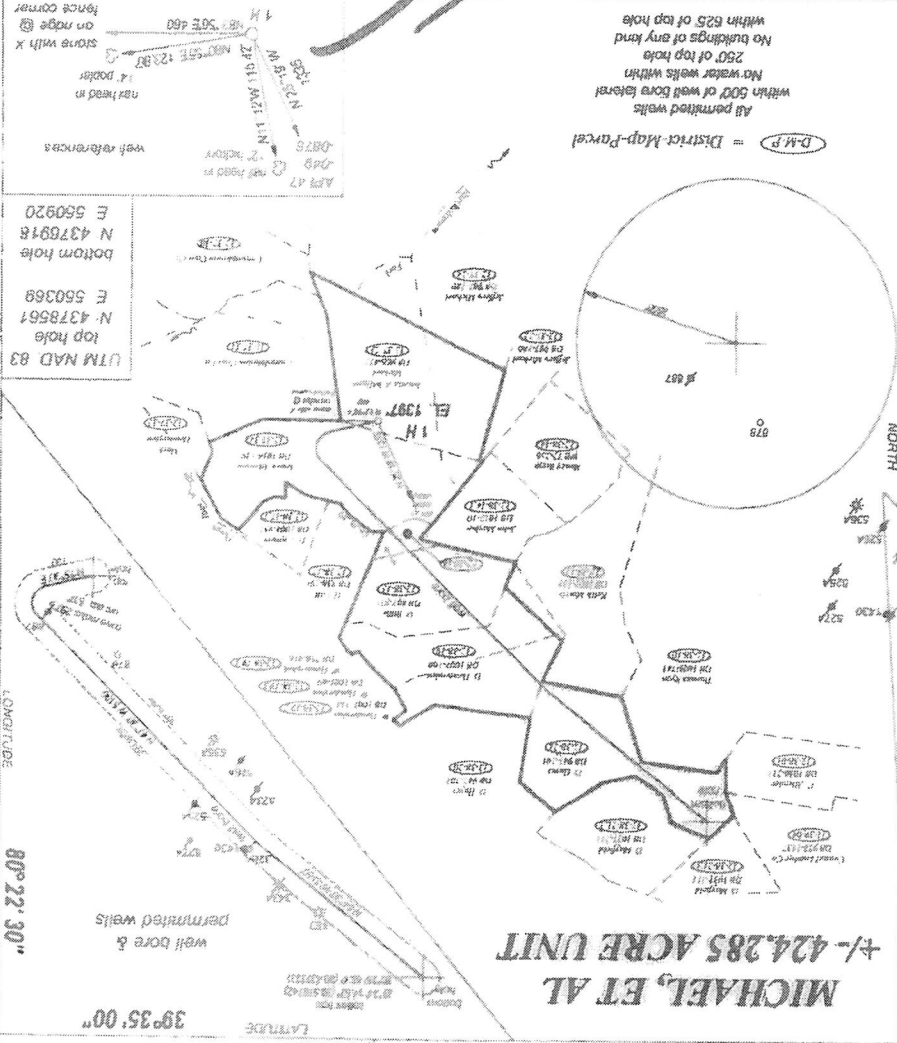
APL 47 - 049 -

STATE: COUNTY: PERMIT:

FILE NO. DRAWING NO. 1 = 1500
 SCALE: 1" = 1500'
 MINIMUM DEGREE OF ACCURACY: 1, 2500'
 PROVEN SOURCE OF ELEVATION: GPS
 OBSERVATION:

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT I AM A PROFESSIONAL SURVEYOR AND REGISTERED WITH THE DEPARTMENT OF ENERGY AND PROFESSIONAL SURVEYORS OF THE STATE OF WEST VIRGINIA.

[Signature]
 PROFESSIONAL SURVEYOR



MICHAEL, ET AL
+/- 424.285 ACRE UNIT

FORM WVM 5

top hole 39° 33' 18.92" (39 555255)

10170"

80° 22' 30"

39° 35' 00"

10970"

top hole 80° 24' 49.34" (80.413705)