

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

API 47-085-10051 County Ritchie District Grant  
Quad Harrisville 7.5' Pad Name \_\_\_\_\_ Field/Pool Name \_\_\_\_\_  
Farm name Fox Well Number 44  
Operator (as registered with the OOG) TERM Energy Corporation  
Address 713 East Main Street City Harrisville State WV Zip 26362

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing Vertical Easting \_\_\_\_\_  
Landing Point of Curve Northing Vertical Easting \_\_\_\_\_  
Bottom Hole Northing Vertical Easting \_\_\_\_\_

Elevation (ft) 944' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
None

Date permit issued 6/13/13 Date drilling commenced 7/19/13 Date drilling ceased 8/1/13  
Date completion activities began 8/27/13 Date completion activities ceased 8/27/13  
Verbal plugging (Y/N) N 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

Freshwater depth(s) ft 170' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1200' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft None Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Received  
FEB 11 2014  
Office of Oil and Gas  
WV Dept. of Environmental Protection

Reviewed by: \_\_\_\_\_

06/27/2017

API 47- 085 - 10051 Farm name Fox Well number 44

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	16"	13 3/8"	22'	New			Sanded
Surface	12 1/4"	9 5/8"	336'	New	J-55		Y 110 sks CTS
Coal							
Intermediate 1	8 3/4"	7"	1175'	New	J-55		N 196 sks
Intermediate 2							
Intermediate 3							
Production	6 1/2"	4 1/2"	3917'	New	J-55		N 204 sks Strong lite
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	None						
Surface	Class A	110	15.6	1.18	128.8	Surface	12
Coal							
Intermediate 1	Class A	196	15.6	1.20	235.2	90'	12
Intermediate 2							
Intermediate 3							
Production	Strong Lite	204	13	1.94	395.8	1020'	
Tubing							

Drillers TD (ft) 4000' Loggers TD (ft) 4004'  
 Deepest formation penetrated Balltown Plug back to (ft) N/A  
 Plug back procedure None

Kick off depth (ft) N/A

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

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

**Received**

**FEB 11 2014**





API 47- 085 - 10051 Farm name Fox Well number 44

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Balltown</u>	<u>3700'</u>	<u>TVD</u>	<u>MD</u>
<u>Lower Speechley</u>	<u>3550'</u>		
<u>Upper Speechley</u>	<u>3475'</u>		

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 610 psi Bottom Hole 2003 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 239 mcfpd Oil 1/2 bpd NGL N/A bpd Water N/A bpd GAS MEASURED BY  Estimated  Orifice  Pilot

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, H <sub>2</sub> S, ETC)
Sand & Shale	0	1650	0	1650	Water 170 & Salt Water 1200'
Maxton	1650	1680	1650	1680	Sand
Sand & Shale	1680	1794	1680	1794	Sand & Shale
Lime	1794	1844	1794	1844	Big Lime
Sand	1844	2000	1844	2000	Keener / Big Injun
Sand & Shale	2000	2732	2000	2732	Sand & Shale
Sand	2732	2746	2732	2746	Gordon
Sand & Shale	2746	3450	2746	3450	Sand & Shale
Siltstone	3450	3520	3450	3520	Upper Speechley
Shale	3520	3553	3520	3553	Sand & Shale
Siltstone	3553	3589	3553	3589	Lower Speechley
Shale	3589	3632	3589	3632	Sand & Shale
Siltstone	3632	3856	3632	3856	Balltown
TD	3856	4000	3856	4000	Sand & Shale

Please insert additional pages as applicable.

Drilling Contractor Nexus Drilling Corp  
Address Industrial Park City Jane Lew State WV Zip 26378

Logging Company Weatherford International  
Address 603 US Highway 19N City Weston State WV Zip 26452

Cementing Company Universal Well Service  
Address 5 Hall Run Road City Buckhannon State WV Zip 26201

Stimulating Company Universal Well Service  
Address 5 Hall Run Road City Buckhannon State WV Zip 26201

Please insert additional pages as applicable.

Completed by Leroy Baker Telephone (304)643-4500  
Signature  Title Designated Agent Date 11/1/13

Received

FEB 11 2014

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry