

WR-35  
Rev (5-01)

DATE:

GCS ✓

API #: 47-085-09162

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: FOX Operator Well No.: 18

LOCATION: Elevation: 864' Quadrangle: Harrisville 7.5

District: Grant County: Ritchie  
Latitude: 7380 Feet South of 39 Deg. 11 Min. 16.8 Sec.  
Longitude 9830 Feet West of 81 Deg. 07 Min. 4.6 Sec.

Company: TERM Energy Cororation

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>713 East Main Street</u> <u>Harrisville, WV 26362</u>	<u>9 5/8"</u>	<u>20'</u>	<u>0</u>	<u>0</u>
Agent: <u>Leroy Baker</u>	<u>7"</u>	<u>1063'</u>	<u>1063'</u>	<u>C. T. S.</u>
Inspector: <u>Steve Mossor</u>				
Date Permit Issued: <u>4/14/2005</u>	<u>4 1/2"</u>	<u>4697'</u>	<u>4697'</u>	<u>487.6 cu. Ft.</u>
Date Well Work Commenced: <u>5/24/05</u>				
Date Well Work Completed: <u>6/9/05</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): <u>4760'</u>				
Fresh Water Depth (ft.): <u>None</u>				
Salt Water Depth (ft.): <u>1650'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Benson / Riley Pay zone depth (ft) 4353.5' - 4620'

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

**Commingled**

Second producing formation Lower & Upper Balltown / Speechley Pay zone depth (ft) 3439.5' - 3800'

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 125 MCF/d Final open flow show Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 525 psig (surface pressure) after 24 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: [Signature]  
By: [Signature]  
Date: 1-4-06

Fox #18 47-085-09162  
Three Stage Foam Frac

1 <sup>st</sup> Stage	Benson (10 holes) (4614' - 4620') Riley (15 holes) (4353.5' - 4405.5')	75 Quality Foam, 24 Bbls. 15% HCL Acid, 46,000 # 20/40 Sand, 640,000 scf N <sub>2</sub> , 310 Bbls. Total Fluids
2 <sup>nd</sup> Stage	Lower Balltown (15 holes) (3800' - 3898')	75 Quality Foam, 12 Bbls. 15% HCL Acid, 12,400 # 20/40 Sand, 360,000 scf N <sub>2</sub> , 160 Bbls. Total Fluids
3 <sup>rd</sup> Stage	Upper Balltown (18 holes) (3566' - 3683')	75 Quality Foam, 12 Bbls. 15% HCL Acid, 6,000 # 20/40 Sand, 159,000 scf N <sub>2</sub> , 70 Bbls. Total Fluids
4 <sup>th</sup> Stage	Speechley (15 holes) (3411' - 3439.5')	75 Quality Foam, 12 Bbls. 15% HCL Acid, 36,000 # 20/40 Sand, 463,000 scf N <sub>2</sub> , 205 Bbls. Total Fluids

WELL LOG

Sand, Shale & Red Rock	0'	1720'
Big Lime	1720'	1891'
Keener	1891'	1852'
Big Injun	1852'	1901'
Sand & Shale	1901'	2264'
Berea	2264'	2268'
Sand & Shale	2268'	2658'
Gordon	2658'	2672'
Sand & Shale	2672'	3383'
Speechley	3383'	3448'
Sand & Shale	3448'	3532'
Balltown Group	3532'	3993'
Sand & Shale	3993'	4261'
Riley	4261'	4450'
Sand & Shale	4450'	4614'
Benson	4614'	4619'
Sand & Shale	4619'	4760'

Salt water 1650'



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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Joe Manchin III, Governor  
Stephanie R. Timmermeyer, Cabinet Secretary  
www.wvdep.org

April 20, 2005

**WELL WORK PERMIT**  
**New Well**

This permit, API Well Number: 47-8509162, issued to TERM ENERGY CORP., 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 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 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 or Mr. Al Blankenship at 304-926-0499 ext. 1653.

JAMES MARTIN  
Chief,  
Office of Oil and Gas

Operator's Well No: FOX 18  
Farm Name: FOX, ROBERT E., ETAL  
**API Well Number: 47- 8509162**  
**Permit Type: New Well**  
Date Issued: 04/20/2005

**Promoting a healthy environment.**

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85-09162

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

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1) Well Operator TERM Energy Corporation

Operator ID	Ritchie	Grant	Harrisville
	County	District	Quadrangle

2) Operator s Well Number: Fox # 18      3) Elevation: 864'

4) Well Type: (a) Oil \_\_\_\_\_ or Gas    
 (b) If Gas: Production       Underground Storage \_\_\_\_\_   
 Deep \_\_\_\_\_ /      Shallow \_\_\_\_\_

5) Proposed Target Formation(s): Devonian Shale

6) Proposed Total Depth: 4500 Feet

7) Approximate fresh water strata depths: 175

8) Approximate salt water depths: 900'

9) Approximate coal seam depths: NA

10) Does land contain coal seams tributary to active mine? None

11) Describe proposed well work To drill and stimulate

*OK S.M. 4-12-05*

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	9 5/8"			20'	0	
Fresh Water	7"			850	850	CTS
Coal						
Intermediate						
Production	4 1/2"			4500'	4500'	By Rule 35 CSR 4-11.1
Tubing						
Liners						

Packers: Kind \_\_\_\_\_   
 Sizes \_\_\_\_\_   
 Depths Set \_\_\_\_\_

**RECEIVED**  
 Office of Oil & Gas  
 Office of Chief  
**APR 14 2005**  
 WV Department of  
 Environmental Protection

*CR # 1282  
 450'*