

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

API 47-103-02999 County Wetzel District Proctor  
Quad New Martinsville Pad Name Erlewine Field/Pool Name Mary  
Farm name Erlewine, Richard Well Number #5H  
Operator (as registered with the OOG) Stone Energy Corporation  
Address 1300 Fort Pierpont Dr. - Suite 201 City Morgantown State WV Zip 26508

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,392,663 Easting 517,397  
Landing Point of Curve Northing 4,393,020 Easting 517,386  
Bottom Hole Northing 4,394,199 Easting 516,974

Elevation (ft) 1,212 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)  
Saturated salt mud which includes Caustic Soda, Barite, Lime, New-Drill, Perma-Lose HT, Xan-Plex D, X-Cide 102, Soda Ash, and Sodium Chloride

Date permit issued 7/9/2014 Date drilling commenced 8/14/2014 Date drilling ceased 1/8/2015  
Date completion activities began Not Yet Completed Date completion activities ceased Not Yet Completed  
Verbal plugging (Y/N) N Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

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

Freshwater depth(s) ft 100 Open mine(s) (Y/N) depths MAR 13 2017  
Salt water depth(s) ft 1,638 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 520, 721 and 950 Cavern(s) encountered (Y/N) depths N

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

**APPROVED**

NAME: Sam M. [Signature]  
DATE: 5-25-17

Reviewed by:

[Signature]  
**06/02/2017**

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Office of Oil and Gas  
MAR 13 2017  
WV Department of  
Environmental Protection









Erlewine #5H  
API 47-103-02999  
Stone Energy Corporation

	Horizontal				
	Top (ft TVD)	Top (ft MD)	Bottom (ft TVD)	Bottom (ft MD)	
Sandstone & Shale	Surface		*	520	FW @ 100'
Coal	520		*	528	
Sandstone & Shale	528		*	721	
Coal	721		*	730	
Sandstone & Shale	730		*	950	
Coal	950		*	959	
Sandstone & Shale	959		*	2,014	SW @ 1,638'
Little Lime	2,014		*	2,044	
Big Lime	2,044		*	2,144	
Big Injun	2,144		*	2,244	
Sandstone & Shale	2,244		*	2,612	
Berea Sandstone	2,612		*	2,642	
Shale	2,642		*	2,857	
Gordon	2,857		*	2,907	
Undiff Devonian Shale	2,907		*	5,794	5,808
Rhinestreet	5,794	5,808	~	6,193	6,240
Cashaqua	6,193	6,240	~	6,340	6,435
Middlesex	6,340	6,435	~	6,360	6,465
West River	6,360	6,465	~	6,419	6,564
Geneseo	6,419	6,564	~	6,433	6,589
Tully Limestone	6,433	6,589	~	6,473	6,681
Hamilton Shale	6,473	6,681	~	6,513	6,814
Marcellus	6,513	6,814	~	6,532	11,128
TD				6,532	11,128

\* From Pilot Hole Log and Driller's Log

~ From MWD Gamma Log