

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

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Office of Oil and Gas

MAR 13 2017

API 47 - 103 - 02959 County Wetzel District Green
Quad Porters Falls Pad Name Martin Field/Pool Name Mary
Farm name Martin, Charles and Gwendo Well Number #6H
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 4,384,788 Easting 520,088
Landing Point of Curve Northing 4,384,528 Easting 520,282
Bottom Hole Northing 4,383,209 Easting 521,104

Elevation (ft) 906 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 12/11/2013 Date drilling commenced 6/12/2014 Date drilling ceased 11/21/2014
Date completion activities began 12/10/2015 Date completion activities ceased 12/18/2015
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 108 Open mine(s) (Y/N) depths N
Salt water depth(s) ft None Reported Void(s) encountered (Y/N) depths N
Coal depth(s) ft 632, 714 and 750 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

NAME: [Signature]
DATE: 5-25-17

Reviewed by:

[Signature]

06/02/2017

API 47-103 - 02959 Farm name Martin, Charles and Gwendo Well number #6H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24"	20"	85'	New	LS - 94.1 ppf		N - GTS
Surface	17.5"	13.375"	907' KB - 897' GL	New	J55 - 54.5 ppf	113' & 195'	Y - CTS
Coal	17.5"	13.375"	907' KB - 897' GL	New	J55 - 54.5 ppf	113' & 195'	Y - CTS
Intermediate 1	12.25"	9.625"	2,227'	New	J55 - 36 ppf		Y - CTS
Intermediate 2							
Intermediate 3							
Production	8.75"	5.5"	12,238'	New	P110 - 20 ppf		N - TOC @ 1,098' Calculated
Tubing							
Packer type and depth set		TAM CAP Inflatable Packer on 9.625" Casing String @ 780'					

Comment Details Circulated 12 bbls cement to surface on 13.375" casing string. Circulated 35 bbls cement to surface on the 9.625" casing string. Did not circulate any cement to surface on the 5.5" casing string. TOC on 5.5" calculated to be @ 1,098'.

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	Type 1	34	15.6	1.18	40	Surface	24.0
Surface	HalCem Class "A"	400	15.6	1.21	484	Surface	8.0
Coal	HalCem Class "A"	400	15.6	1.21	484	Surface	8.0
Intermediate 1	Lead-10% Salt Tail-HalCem	Lead-400 Tail-400	Lead-15.6 Tail-15.6	Lead-1.24 Tail-1.21	Lead-496 Tail-484	Surface	12.0
Intermediate 2							
Intermediate 3							
Production	Lead-TunedSpacer3 Tail-Var/Cem	Lead-279 Tail-2,345	Lead-14.5 Tail-15.2	Lead-1.51 Tail-1.20	Lead-421 Tail-2,814	1,098' Calculated	7.0
Tubing							

Drillers TD (ft) 12,238 MD / 6,651 TVD Loggers TD (ft) N/A

Deepest formation penetrated Marcellus Shale Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 5,674 MD / 5,673 TVD

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 Surface casing had bow spring centralizers placed on joints 4, 8, 12, 16 and 20. Intermediate casing had bow spring centralizers placed on joints 4, 8, 12, 16, 20, 24, 28 and 32.

Production casing had rigid spiral centralizers placed on every fourth joint beginning with joint 7 to joint 147. Ran a total of 36 rigid spiral centralizers. Ran bow spring centralizers from joint 152 to joint 232 on every fifth joint. A total of 17 bow spring centralizers were run.

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 _____

Martin #6H
API 47-103-02959
Stone Energy Corporation

	Horizontal				
	Top (ft TVD)	Top (ft MD)	Bottom (ft TVD)	Bottom (ft MD)	
Sandstone & Shale	Surface		*	632	FW @ 108'
Coal	632		*	636	
Sandstone & Shale	636		*	714	
Coal	714		*	730	
Sandstone & Shale	730		*	750	
Coal	750		*	756	
Sandstone & Shale	756		*	1,883	SW @ None Reported
Little Lime	1,883		*	1,913	
Big Lime	1,913		*	2,013	
Big Injun	2,013		*	2,113	
Sandstone & Shale	2,113		*	2,477	
Berea Sandstone	2,477		*	2,507	
Shale	2,507		*	2,679	
Gordon	2,679		*	2,729	
Undiff Devonian Shale	2,729		*	5,662	5,664
Rhinestreet	5,662	5,664	~	6,149	6,212
Cashaqua	6,149	6,212	~	6,428	6,590
Middlesex	6,428	6,590	~	6,450	6,621
West River	6,450	6,621	~	6,524	6,737
Geneseo	6,524	6,737	~	6,532	6,754
Tully Limestone	6,532	6,754	~	6,565	6,825
Hamilton Shale	6,565	6,825	~	6,619	6,981
Marcellus	6,619	6,981	~	6,685	12,238
TD				6,685	12,238

* From Pilot Hole Log and Driller's Log

~ From MWD Gamma Log