

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

API 47-103-02795 County Wetzel District Green
Quad Porters Falls Pad Name Howell Field/Pool Name Mary
Farm name Howell, Charles and Ruth Well Number #8H
Operator (as registered with the OOG) Stone Energy Corporation
Address 1300 Fort Pierpont Drive 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 4,382,920.4 Easting 517,668.7
Landing Point of Curve Northing N/A Easting N/A
Bottom Hole Northing 4,382,918.7 Easting 517,667.3

Elevation (ft) 1,300 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)
N/A

Date permit issued 9/26/2012 Date drilling commenced 4/5/2013 Date drilling ceased 4/20/2013
Date completion activities began N/A Date completion activities ceased N/A
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 96 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 1,060 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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MAY 29 2013
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Reviewed by:
AL 5/27/13
W.S. W.S. 6/5/2015

API 47- 103 - 02795 Farm name Howell, Charles and Ruth Well number #8H

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	24"	20"	90'	New	LS		Y - GTS
Surface	17.5"	13.375"	1,307' KB 1,292' GL	New	J55	118' & 194'	Y - CTS
Coal	17.5"	13.375"	1,307' KB 1,292' GL	New	J55	118' & 194'	Y - CTS
Intermediate 1	12.25"	9.625"	2,404'	New	J55		Y - CTS
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details Circulated 40 bbls cement to surface on 13.375" string and 40 bbls of cement to surface on the 9.625" string.

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	Class "A"	1,005	15.6	1.19	1,196	Surface	8.0
Coal	Class "A"	1,005	15.6	1.19	1,196	Surface	8.0
Intermediate 1	Lead-Flex Seal Tail-Class "A"	Lead-410 Tail-420	Lead-15.0 Tail-15.5	Lead-1.26 Tail-1.19	Lead-516 Tail-500	Surface	12.0
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 2,440 MD / 2,440 TVD Loggers TD (ft) N/A

Deepest formation penetrated Weir Sandstone Plug back to (ft) 2,185

Plug back procedure In order to prevent a potential collision with the Howell #3H wellbore it was decided stop drilling @ 2,440' MD/TVD. TOOH and laid down bit and then TBIH with open ended drill pipe. 100 sacks of Class "A" cement was pumped down the DP at a density of 1.17 c/sx for a solid cement plug from TD to 2,185' MD/TVD. TOC is 219' inside the 9.625".

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 Surface/Coal casing had bow spring centralizers placed on joints 2, 5, 8, 11, 14, 17, 20, 23, 26, 29 and 32. Intermediate casing had bow spring centralizers placed on joints 2, 5, 8, 11, 14, 17, 20, 23, 26, 29, 32, 35, 38, 41, 44, 47 and 50.

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

MAY 29 2015

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

WV Department of Environmental Protection



1300 Fort Pierpont Drive – Suite 201
Morgantown, WV 26508
Telephone: (304) 225-1600

5/28/2015

Mr. James Martin, Chief
WV Office of Oil and Gas
601, 57th Street, SE
Charleston, WV 25304-2345

Dear Mr. Martin;

Attached, please find revised "WR-34 – Discharge Monitoring Report and "WR-35 – Well Operator's Report of Well Work" for the well listed below and operated by Stone Energy Corporation, Operator ID 494490923. The attachments are for:

<u>Well Name</u>	<u>API Number</u>
Howell #8H	47-103-02795

Should you require additional information or have any questions please feel free to contact me at 304-225-1777.

Sincerely,

A handwritten signature in blue ink, appearing to read "W. Lee Hornsby".

W. Lee Hornsby
Drilling Engineer, Appalachia
Stone Energy Corporation

Attachments
xc: Well Files

06/05/2015