

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

API 47 - 103 - 02945 County Wetzel District Green  
Quad Porters Falls Pad Name Conley Field/Pool Name Mary  
Farm name Conley, Ronald Gene Well Number #1H  
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 4,384,111 Easting 518,133  
Landing Point of Curve Northing 4,384,193 Easting 517,546  
Bottom Hole Northing 4,385,429 Easting 516,474

Elevation (ft) 855 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)  
Salt/Polymer Water Based Drilling Fluid including: Caustic Soda, Sodium Chloride, Sulfatrol, Starch, PAC, Xanplex D, Barite, Corrosion Inhibitor, and ROP Enhancer

Date permit issued 1/16/2014 Date drilling commenced 9/6/2014 Date drilling ceased 9/20/2016  
Date completion activities began 10/16/2016 Date completion activities ceased 10/18/2016  
Verbal plugging (Y/N) N Date permission granted \_\_\_\_\_ Granted by RECEIVED

Office of Oil and Gas  
MAR 13 2017

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

Freshwater depth(s) ft 88 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 665 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 - 02945 Farm name Conley, Ronald Gene Well number #1H

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"	103' KB / 80' GL	New	LS - 94 ppf		N - GTS
Surface	17.5"	13.375"	866' KB / 843' GL	New	J55 - 54.5 ppf	100' & 200'	Y - CTS
Coal	17.5"	13.375"	866' KB / 843' GL	New	J55 - 54.5 ppf	100' & 200'	Y - CTS
Intermediate 1	12.25"	9.625"	2202' KB / 2179' GL	New	J55 - 36 ppf		Y - CTS
Intermediate 2							
Intermediate 3							
Production	8.75"	5.5"	13145' KB	New	P110HC - 23/20 ppf		N - TOC @ 679' Calculated
Tubing							
Packer type and depth set							

Comment Details Circulated 30 bbls cement to surface on the 13.375" casing string. Circulated 28 bbls cement to surface on the 9.625" casing string. No cement circulated to surface on the 5.5" casing string. TOC on 5.5" calculates to be @ 679'.

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	Type 1	34	15.6	1.18	40	Surface	24+
Surface	Class A	675	15.6	1.21	816	Surface	8
Coal	Class A	675	15.6	1.21	816	Surface	8
Intermediate 1	Class A	740	15.6	1.21	895	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	2794	15.2	1.15	3213	679' Calculated	24+
Tubing							

Drillers TD (ft) 13157' MD / 6478' TVD      Loggers TD (ft) N/A  
 Deepest formation penetrated Marcellus Shale      Plug back to (ft) \_\_\_\_\_  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) 5590' MD / 5566' 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 has bow spring centralizers placed on joints 2, 6, 10, 14, 18 and 20. Intermediate casing has bow spring centralizers placed on joints 4, 8, 12, 16, 20, 24, 28 and 32. Production casing has rigid spiral centralizers placed on every third joint beginning with joint 1 to joint 211 (total of 71 rigid spiral centralizers). Ran bow spring centralizers from joint 213 to joint 251 on every other joint (total of 20 bow spring centralizers).

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 \_\_\_\_\_

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	10/16/2016	13,007	13,100	NA	Marcellus
2	10/16/2016	12,858	12,947	54	Marcellus
3	10/16/2016	12,709	12,798	54	Marcellus

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbbls)	Amount of Nitrogen/other (units)
1	10/16/16	71.9	8104	9356	5228	60695	4556	NA
2	10/16/16	78.6	7730	9114	3848	336684	7336	NA
3	10/16/16	78.2	7677	9447	7721	356131	6690	NA

Please insert additional pages as applicable.

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus	6478'	TVD	12,709'-13,100' MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface \_\_\_\_\_ psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW Gas \_\_\_\_\_ mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
See Attached Sheet					

Please insert additional pages as applicable.

Drilling Contractor Highlands (top hole) & Nomac (horizontal)  
 Address 900 Virginia Street - East / 3400 S. Radio Road City Charleston / El Reno State WV / OK Zip 25301 / 73036

Logging Company Scientific Drilling (top hole) & Baker Hughes (horizontal)  
 Address 124 Vista Drive / 17021 Aldine Westfield City Charleroi / Houston State PA / TX Zip 15022 / 77073

Cementing Company Halliburton (top hole) & Baker Hughes (horizontal)  
 Address 121 Champion Way / 17021 Aldine Westfield City Canonsburg / Houston State PA / TX Zip 15317 / 77073

Stimulating Company Baker Huges  
 Address 1681 E. Main St. City Bridgeport State WV Zip 26330

Please insert additional pages as applicable.

Completed by Greg Zofchak Telephone 304-225-1600  
 Signature  Title Drilling Engineer Date 2/8/2017

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

06/02/2017

Conley #1H  
API 47-103-02945  
Stone Energy Corporation

	Horizontal			
	Top (ft TVD)	Top (ft MD)	Bottom (ft TVD)	Bottom (ft MD)
Sandstone & Shale	Surface		*	FW @ 88
Coal	665		*	670
Sandstone & Shale	671		*	1,634
Little Lime	1,635		*	1,677
Big Lime	1,740		*	1,934
Big Injun	1,934		*	1,988
Sandstone & Shale	1,989		*	2,343
Berea Sandstone	2,344		*	2,357
Shale	2,358		*	2,549
Gordon	2,590		*	2,640
Undiff Devonian Shale	3,095		*	6,296
Rhinestreet	5,792	5,818	~	6,050
Cashaqua	5,994	6,051	~	6,567
Middlesex	6,313	6,568	~	6,702
West River	6,368	6,703	~	6,740
Undiff Devonian Shale	6,401	6,741	~	6,894
Geneseo	6,439	6,895	~	6,965
Tully Limestone	6,461	6,966	~	7,090
Hamilton Shale	6,495	7,091	~	7,285
Marcellus	6,535	7,286	~	13,157
TD				13,157

\* From Pilot Hole Log and Driller's Log

~ From MWD Gamma Log