

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

API 47 - 103 - 02835 County Wetzel District Proctor
Quad New Martinsville Pad Name Pribble Field/Pool Name Mary
Farm name Pribble, Raymond Well Number #3H
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 4,393,499 Easting 515,446
Landing Point of Curve Northing 4,393,834 Easting 515,512
Bottom Hole Northing 4,395,113 Easting 515,090

Elevation (ft) 1,320 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 12/21/2012 Date drilling commenced 8/3/2013 Date drilling ceased 4/21/2014
Date completion activities began 6/2/2014 Date completion activities ceased 12/8/2014
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 N
Salt water depth(s) ft 2,041 Void(s) encountered (Y/N) depths _____
Coal depth(s) ft 858 Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N
Reviewed by: [Signature] 10/23/2015
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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"	98'	New	LS		N - GTS
Surface	17.5"	13.375"	1,328' KB - 1,313' GL	New	J55	116' & 197'	Y - CTS
Coal	17.5"	13.375"	1,328' KB - 1,313' GL	New	J55	116' & 197'	Y - CTS
Intermediate 1	12.25"	9.625"	2,479'	New	J55		Y - CTS
Intermediate 2							
Intermediate 3							
Production	8.75"	5.5"	11,535'	New	P110		N - TOC @ 296'
Tubing	N/A	2.375"	6,918'	New	N80		N/A
Packer type and depth set							

Comment Details Circulated 18 bbls cement to surface on 13.375" casing string. Circulated 38 bbls cement to surface on the 9.625" casing string. Circulated no cement to surface on the 5.5" casing string. TOC on 5.5" after running CBL @ 296'.

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"	995	15.6	1.19	1,184	Surface	8.0
Coal	Class "A"	995	15.6	1.19	1,184	Surface	8.0
Intermediate 1	Lead-Flex Seal Tail-Class "A"	Lead-493 Tail-287	Lead-15.6 Tail-15.6	Lead-1.26 Tail-1.19	Lead-621 Tail-342	Surface	12.0
Intermediate 2							
Intermediate 3							
Production	Lead-TunedSpacer Tail-Class "A"	Lead-178 Tail-2,200	Lead-14.5 Tail-15.2	Lead-2.37 Tail-1.20	Lead-422 Tail-2,640	296	7.0
Tubing							

Drillers TD (ft) 11,559 MD / 6,544 TVD Loggers TD (ft) N/A
 Deepest formation penetrated Marcellus Shale Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) 5,905 MD / 5,874' 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 2, 6, 10, 14, 18, 22, 26 and 30. Intermediate casing had bow spring centralizers placed on joints 2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58 and 62.
 Production casing had rigid spiral centralizers placed on every fourth joint beginning with joint 1 to joint 131. Ran a total of 34 rigid spiral centralizers. Ran bow spring centralizers from joint 134 to joint 283 on every third joint. A total of 44 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 _____

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Well number #3H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	6/6/14	11,290	11,448	72	Marcellus Shale
2	6/12/14	11,037	11,218	72	Marcellus Shale
3	6/14/14	10,773	10,958	72	Marcellus Shale
4	6/15/14	10,577	10,698	72	Marcellus Shale
5	6/16/14	10,271	10,448	72	Marcellus Shale
6	6/17/14	10,018	10,205	72	Marcellus Shale
7	6/18/14	9,783	9,950	72	Marcellus Shale
8	6/19/14	9,533	9,703	72	Marcellus Shale
9	6/20/14	9,286	9,463	72	Marcellus Shale
10	6/21/14	9,041	9,213	72	Marcellus Shale
11	6/22/14	8,781	8,963	72	Marcellus Shale
12	6/23/14	8,536	8,713	72	Marcellus Shale
13	6/24/14	8,284	8,463	72	Marcellus Shale
14	6/25/14	8,039	8,213	72	Marcellus Shale
15	6/26/14	7,781	7,963	72	Marcellus Shale
16	10/3/14	7,530	7,713	72	Marcellus Shale

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 (bbls)	Amount of Nitrogen/other (units)
1	6/12/14	81.3	6,908	5,743	3,715	272,635	7,718	
2	6/14/14	85.2	7,137	6,326	3,121	422,445	8,463	
3	6/15/14	83.4	6,847	5,632	4,458	419,496	8,445	
4	6/16/14	84.7	6,830	6,088	4,373	417,180	8,376	
5	6/17/14	85.0	6,921	5,574	4,632	423,080	8,451	
6	6/18/14	84.5	6,819	5,513	3,857	420,020	8,375	
7	6/19/14	80.2	6,660	5,869	4,594	420,118	8,375	
8	6/20/14	80.4	6,747	5,652	4,676	420,360	8,341	
9	6/21/14	79.7	6,730	5,804	4,092	422,040	9,478	
10	6/22/14	80.0	6,653	6,401	4,201	421,720	8,326	
11	6/23/14	80.5	6,828	5,787	4,201	420,160	8,296	
12	6/24/14	80.4	6,728	6,420	4,402	424,680	8,282	
13	6/25/14	80.3	6,756	6,329	4,033	421,720	8,275	
14	6/26/14	80.4	6,475	5,662	4,143	420,500	8,237	
15	6/27/14	80.6	6,472	5,507	4,487	421,500	8,166	
16	10/4/14	80.6	6,781	5,452	4,325	420,140	8,401	

Please insert additional pages as applicable.

Pribble #3H
API 47-103-02835
Stone Energy Corporation

	Horizontal			
	Top (ft TVD)	Top (ft MD)	Bottom (ft TVD)	Bottom (ft MD)
Sandstone & Shale	Surface	*	858	FW @ 100'
Coal	858	*	862	
Sandstone & Shale	862	*	2,116	SW @ 2,041'
Little Lime	2,098	*	2,128	
Big Lime	2,128	*	2,228	
Big Injun	2,228	*	2,328	
Sandstone & Shale	2,328	*	2,698	
Berea Sandstone	2,698	*	2,728	
Shale	2,728	*	2,948	
Gordon	2,948	*	2,998	
Undiff Devonian Shale	2,998	*	5,870	5,902
Rhinestreet	5,870	5,902 ~	6,215	6,281
Cashaqua	6,215	6,281 ~	6,376	6,494
Middlesex	6,376	6,494 ~	6,399	6,526
West River	6,399	6,526 ~	6,458	6,637
Geneseo	6,458	6,637 ~	6,475	6,674
Tully Limestone	6,475	6,674 ~	6,509	6,761
Hamilton Shale	6,509	6,761 ~	6,543	6,857
Marcellus	6,543	6,857 ~	6,544	11,559
TD			6,544	11,559

* From Pilot Hole Log and Driller's Log

~ From MWD Gamma Log

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	10/6/2014
State:	West Virginia
County/Parish:	Wetzel County
API Number:	47-103-02835
Operator Name:	Stone Energy
Well Name and Number:	Pribble 3H
Longitude:	515,446
Latitude:	4,393,499
Long/Lat Projection:	
Production Type:	
True Vertical Depth (TVD):	0
Total Water Volume (gal)*:	6323968

Hydraulic Fracturing Fluid Composition

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
H015, SLICKWATER, WF115	Schlumberger	Corrosion Inhibitor, Bactericide (Myacide GA25), Scale Inhibitor, AntiFoam Agent, Surfactant, Acid, Breaker, Gelling Agent, Friction Reducer, Iron Control Agent, Clay Control Agent, Accelerator, Fluid Loss Additive, Propping	Water (Including Mix Water Supplied by Client)*	NA		87.47314%	
			Crystalline silica	14808-60-7	98.49325%	12.33811%	
			Hydrochloric acid	7647-01-0	0.79400%	0.09946%	
			Ammonium sulfate	7783-20-2	0.15087%	0.01890%	
			Polyethylene glycol monohexyl ether	31726-34-8	0.06497%	0.00814%	
			Glutaraldehyde	111-30-8	0.05051%	0.00633%	
			Calcium chloride	10043-52-4	0.02710%	0.00339%	
			Urea	57-13-6	0.02515%	0.00315%	
			Diammonium peroxidisulphate	7727-54-0	0.02181%	0.00273%	
			Polypropylene glycol	25322-69-4	0.00993%	0.00124%	
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00500%	0.00063%	
			Methanol	67-56-1	0.00468%	0.00059%	
			Ethylene Glycol	107-21-1	0.00399%	0.00050%	
			Trisodium ortho phosphate	7601-54-9	0.00399%	0.00050%	
			Sodium erythorbate	6381-77-7	0.00307%	0.00038%	
			Aliphatic alcohols, ethoxylated #2	Proprietary	0.00234%	0.00029%	
			Thiourea formaldehyde polymer	Proprietary	0.00234%	0.00029%	
			Aliphatic acids	Proprietary	0.00179%	0.00022%	
			Prop-2-yn-1-ol	107-19-7	0.00078%	0.00010%	
			Hexadec-1-ene	629-73-2	0.00016%	0.00002%	
			Olefin hydrocarbon	Proprietary	0.00008%	0.00001%	
			Formaldehyde	50-00-0	0.00001%	< 0.00001%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

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All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

10/23/2015

