

Amended

WR-35
Rev. 8/23/13

Page 1 of 5

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

API 47-103-02926 County Wetzel District Clay
Quad Littleton 7.5' Pad Name Shreve-Watson Unit Field/Pool Name Marcellus Shale
Farm name Shreve-Watson Unit Well Number 2H
Operator (as registered with the OOG) Statoil USA Onshore Properties, Inc.
Address 2013 City West Blvd., Ste 800 City Houston State TX Zip 77042

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing ~~427890~~ 4391190 Easting ~~1705680~~ 538993
Landing Point of Curve Northing ~~428525~~ 4391449 Easting ~~1706548~~ 539253
Bottom Hole Northing ~~432334~~ 4392589 Easting ~~1702560~~ 538022

Elevation (ft) 1471' 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)
Surface - Drill Water; Intermediate - KCl/Polymer ; Production - CyberDrill

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Date permit issued 01/09/2014 Date drilling commenced 08/04/2014 Date drilling ceased 08/23/2014
Date completion activities began 10/08/2014 Date completion activities ceased 10/17/2014
Verbal plugging (Y/N) N/A Date permission granted _____ Granted by Department of Environmental Protection

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

Freshwater depth(s) ft 130' - 737' MD (Estimated) Open mine(s) (Y/N) depths No - N/A
Salt water depth(s) ft 2150' - Unknown (Estimated) Void(s) encountered (Y/N) depths No - N/A
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths No - N/A
Is coal being mined in area (Y/N) No

Reviewed by: _____

APPROVED

NAME: Jaquelin Thum
DATE: 4/1/2014

06/03/2016
AK 04/02/14
Ax 06/02/14

API 47- 103 - 02926 Farm name Shreve-Watson Unit Well number 2H

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"	80'	NEW	H-40; 94#		Y
Surface	17 1/2"	13 3/8"	804'	NEW	J-55; 54.5#		Y
Coal		N/A					N/A
Intermediate 1	12 1/4"	9 5/8"	3132'	NEW	J-55; 36#		Y
Intermediate 2							N/A
Intermediate 3							N/A
Production	8 3/4"	5 1/2"	13738'	NEW	P-110; 20#		Y
Tubing	4 5/8"	2 3/8"	7616'	NEW	L-80; 4.7#		N/A
Packer type and depth set		VersaSet Packer set at 7,606' (top)					

Comment Details _____

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							
Surface	CLASS A	350	15.8	2.45	143 bbls	32 bbls to surface	29
Coal							
Intermediate 1	CLASS A	570	15.8	2.45	233 bbls	3040'	28.5
Intermediate 2							
Intermediate 3							
Production	CLASS A	664	15	1.29	515 bbls	1330'	
Tubing							

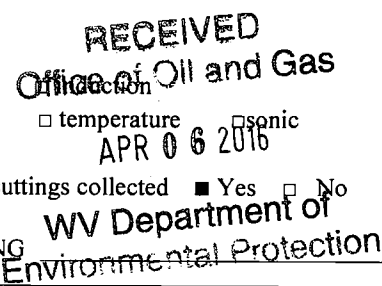
Drillers TD (ft) 13,760 MD Loggers TD (ft) 13,710 MD
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) _____

Check all wireline logs run caliper density deviated/directional temperature sonic
 neutron resistivity gamma ray

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING
 Intermediate String: Every Joint to 800', then every other joint to 2487', then every 4th joint to 3032'
 Production: Every Joint to 6710', then every 4th joint to 11078'



WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS Fractured from 13457' to 8177'. 48 perms per stage @ 6 shots per foot.

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

API 47- 103 - 02926 Farm name Shreve-Watson Unit Well number 2H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	10/08/2014	13457'	13277'	48	Marcellus
2	10/09/2014	13157'	12977'	48	Marcellus
3	10/09/2014	12857'	12677'	48	Marcellus
4	10/10/2014	12557'	12377'	48	Marcellus
5	10/10/2014	12257'	12077'	48	Marcellus
6	10/11/2014	11957'	11777'	48	Marcellus
7	10/12/2014	11657'	11477'	48	Marcellus
8	10/12/2014	11357'	11177'	48	Marcellus
9	10/13/2014	11057'	10877'	48	Marcellus
10	10/13/2014	10757'	10577'	48	Marcellus
11	10/14/2014	10457'	10277'	48	Marcellus
12	10/14/2014	10157'	9977'	48	Marcellus
13	10/15/2014	9857'	9677'	48	Marcellus
14	10/15/2014	9557'	9377'	48	Marcellus
15	10/16/2014	9257'	9077'	48	Marcellus
16	10/16/2014	8957'	8947'	48	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 (bbls)	Amount of Nitrogen/other (units)
1	10/8/14	79.9	7615	7263	4721	441,735	7859	
2	10/09/14	85.6	7608	7271	4773	441,700	7341	
3	10/09/14	82	7388	7619	1612	441,735	7804	
4	10/10/14	85.1	7453	6890	4401	441,735	7312	
5	10/10/14	85.4	7460	7571	4763	441,735	5343	
6	10/11/14	82.2	7326	6794	5288	441,735	7349	
7	10/12/14	85.1	7186	7313	5509	441,735	6553	
8	10/12/14	82.1	7594	7445	4602	441,735	7477	
9	10/13/14	85.1	7464	7794	4948	441,735	7149	
10	10/13/14	84.8	7495	7361	5737	441,735	7203	
11	10/14/14	79.3	7575	7839	5550	441,735	7973	
12	10/14/14	85.1	7024	7228	4682	441,735	7217	
13	10/15/14	83.8	7310	8354	1	441,735	7335	
14	10/15/14	85	6982	6897	4461	441,735	7204	
15	10/16/14	84.9	7038	6979	4695	441,735	7025	
16	10/16/14	84.6	7145	6572	4977	441,735	6882	

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Please insert additional pages as applicable.

API 47- 103 - 02926 Farm name Shreve-Watson Unit Well number 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus (currently shut in)</u>	<u>7625 - TD</u> TVD	<u>7694 - TD</u> MD
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2719 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 5485 mcfpd Oil _____ bpd NGL _____ bpd Water 188 bpd
GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	0		0		
Big Injun	2492	2750	2499	2758	
Gordon	3320	3371	3339	3391	
Warren	4002	4035	4044	4078	
Geneseo	7476	7498	7667	4078	Single Gas Show
Marcellus	7625	N/A	7964	N/A	Gas shows through formation

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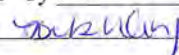
Please insert additional pages as applicable.

Drilling Contractor ORION Drilling
Address _____ City _____ State _____ Zip _____
Logging Company Halliburton
Address _____ City _____ State _____ Zip _____
Cementing Company Halliburton
Address _____ City _____ State _____ Zip _____
Stimulating Company Producers Service Corp
Address 109 S. Graham Street City Zanesville State OH Zip 43701

APR 06 2016

WV Department of
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Please insert additional pages as applicable.

Completed by Bekki Winfree Telephone 713-240-9015
Signature  Title Regulatory Advisor Date 03/31/2016

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



March 31, 2016

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Reference: Shreve-Watson 2H, API 47-103-02926
WR-36 – Initial Gas-Oil Ratio
WR-35 – Updated for Production

Gentlemen:

Statoil USA Onshore Properties Inc. herein submits the WR-35 Initial Gas-Oil Ratio and updated WR-35 for Shreve-Watson 2H (API No. 47-103-02926). The well was turned on directly to production on 4/30/15; however, it was only recently discovered that the corresponding paperwork had not been filed.

Should you have any questions or require additional information please contact the undersigned at 713-240-9015 or bekw@statoil.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bekki Winfree".

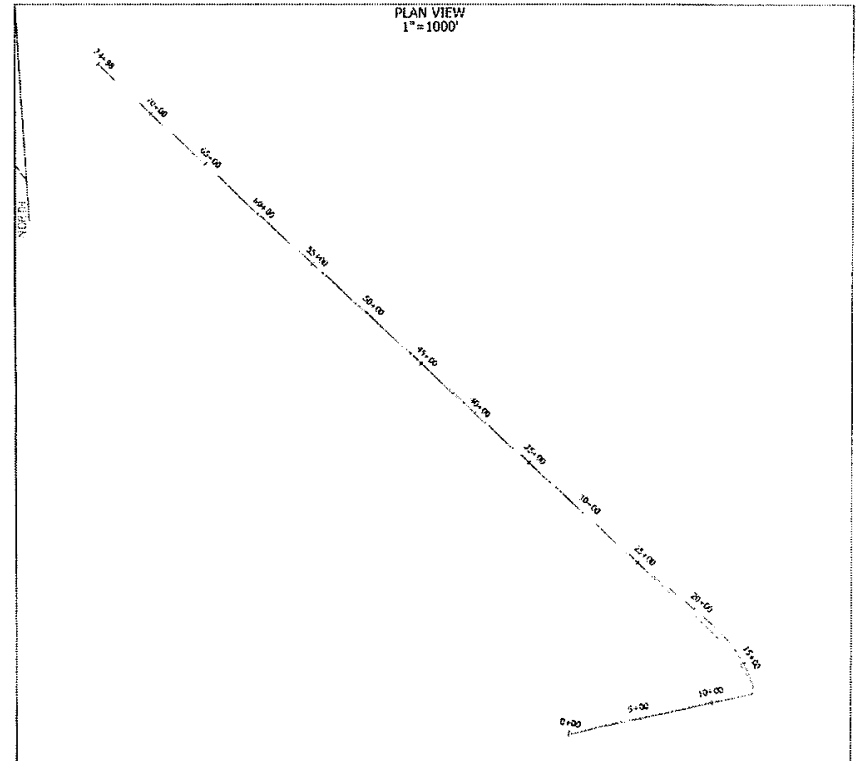
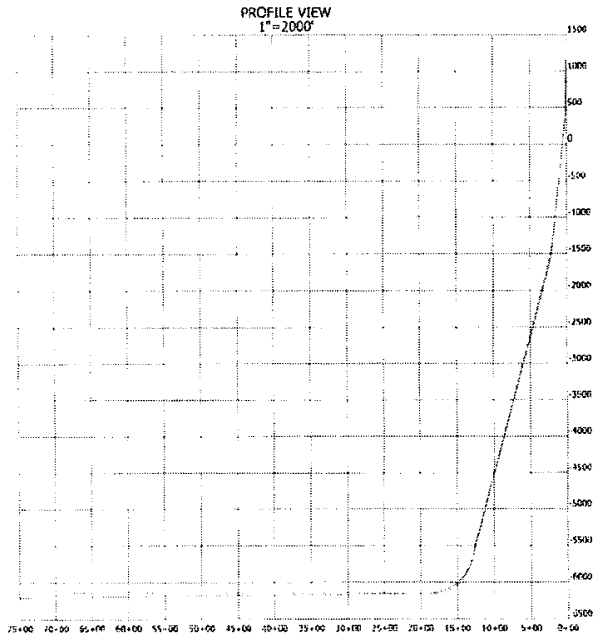
Bekki Winfree
Sr. Regulatory Advisor – Marcellus Asset

Enclosure

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06/03/2016

PLAN AND PROFILE VIEW FOR SHREVE-WATSON UNIT 2H API #47-103-02926



NOTES

1. AS OBTAINED DATA WAS PROVIDED BY STANBIL USA ONSHORE PROPERTIES INC.
2. HUPP IS NOT CERTIFYING THIS DATA AND IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA THAT HAS BEEN PROVIDED.

2/15
8/14

HUPP Surveying & Mapping
P.O. Box 647 Grantsville, WV 26147
(304) 894-4155 FAX: huppsurveying@earthlink.net

AS OBTAINED DATA
PROPOSED DATA