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

Quad BETHANY  Pad Name JOHN HUPP BRK PAD Field/A Farm name JOHN W. HUPP & LINDA H. DOUBLE  Well Soprator (as registered with the OOG)  Operator (as registered with the OOG)  Address PO BOX 12359  As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation of Curve Northing 4.447.424.827  Bottom Hole Northing 4.447.493.48  Easting 53  Elevation (ft) 1275.7  GL Type of Well New Existing Termit Type Deviated Horizontal Horizontal A Vertical Improved Deviated Horizontal Horizontal A Vertical Improved Deviated Horizontal B Horizontal A Vertical Improved Deviated Horizontal B Horizontal B Recovery Solution Type of Completion Single Multiple Fluids Produced Brine Gas Northing Media Surface hole Rotary  Drilling Media Surface hole Rotary  Drilling Media Surface hole Air Muld Fresh Water Intermediate hole Production hole Rotar Muld Fresh Water Brine  Muld Type(s) and Additive(s)  SOBM  Date permit issued 03/02/2017 Date drilling commenced 05/12/2017  Date completion activities began 02/09/2018 Date completion activities of Verbal plugging (Y/N) N Date permission granted N/A Grine Please note: Operator is required to submit a plugging application within 5 days of verbal plugging (Y/N) April 1074  Freshwater depth(s) ft 450 Open mine(s) (Y/N) depths Void(s) encountered (Y/N)	et BUFFA	LO	
Farm name JOHN W. HUPP & LINDA H. DOUBLE  Operator (as registered with the OOG)  Operator (as registered with the OOG)  Address PO BOX 12359  City SPRING  St  As Drilled location NAD 83/UTM Top hole Landing Point of Curve Bottom Hole  Landing Point of Curve Northing 4.447.492.4827  Bottom Hole  Northing 4.447.493.48  Easting 53  Easting 53  Elevation (ft) 1275.7  GL Type of Well New Existing  Type of Operation Convert Deepen Drill Plug Back Redrilling  Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution  Type of Completion Single Multiple Fluids Produced Brine Gas Northing Multiple Well Type (Salt Water Brine)  Type of Completion Air Multiple Fluids Produced Brine Gas Northing Multiple Solution  Type of Completion Office Air Multiple Fluids Produced Drille Gas Northing Multiple Solution  Type of Completion Office Air Multiple Fluids Produced Drille Gas Northing Multiple Fluids Produced Drille Multiple Fluids Produced Northing Multiple Fluids Produced Northing Multiple Fluids Produced Northing Northing Multiple Fluids Produced Northing Northing Northing Northing Multiple Production hole Air Multiple Fluids Produced Drille Multiple Production Northing N	Pool Name	PANHANDLE F	IELD WET
Operator (as registered with the OOG) Address PO BOX 12359  City SPRING  St  As Drilled location NAD 83/UTM	Number J	IOHN HUPP	BRK 210H
Address PO BOX 12359  City SPRING  St  As Drilled location NAD 83/UTM			
Top hole Landing Point of Curve Bottom Hole Northing 4.447,424.827	tate TX	Zip	77391-2359
Type of Operation	ation surve 36,712.101 37,159.886 37,814.634	y port □Înterim	<b>A</b> Final
Well Type    Brine Disposal    CBM    Gas    Oil    Secondary Recovery    Solution Type of Completion    Single    Multiple    Fluids Produced    Brine    Gas    N Drilled with    Cable    Rotary  Drilling Media    Surface hole    Air    Mud    Fresh Water    Intermediate hole Production hole    Air    Mud    Fresh Water    Brine  Mud Type(s) and Additive(s)  SOBM  Date permit issued	Depth Type	e □ Deep	■ Shallow
Type of Completion Single   Multiple   Fluids Produced   Brine   Gas   N  Drilled with   Cable   Rotary  Drilling Media   Surface hole   Air   Mud   Fresh Water   Intermediate hole    Production hole   Air   Mud   Fresh Water   Brine    Mud   Type(s) and Additive(s)    SOBM  Date permit issued   03/02/2017   Date drilling commenced   05/12/2017    Date completion activities began   02/09/2018   Date completion activities    Verbal plugging (Y/N)   N   Date permission granted   N/A   Gr  Please note: Operator is required to submit a plugging application within 5 days of verbal properties of the production of the produ	□ Rewo	rk <b>&amp;</b> Stimul	ate
Type of Completion Single   Multiple   Fluids Produced   Brine   Gas   N  Drilled with   Cable   Rotary  Drilling Media   Surface hole   Air   Mud   Fresh Water   Intermediate hole    Production hole   Air   Mud   Fresh Water   Brine    Mud   Type(s) and Additive(s)    SOBM  Date permit issued   03/02/2017   Date drilling commenced   05/12/2017    Date completion activities began   02/09/2018   Date completion activities    Verbal plugging (Y/N)   N   Date permission granted   N/A   Gr  Please note: Operator is required to submit a plugging application within 5 days of verbal properties of the production of the produ	n Mining	Storage n.C	Other
Date completion activities began	∄Air □!	Mud □ Fresh	Water □ Brine
Verbal plugging (Y/N) N Date permission granted N/A Gr  Please note: Operator is required to submit a plugging application within 5 days of verbal p  Freshwater depth(s) ft 450 Open mine(s) (Y/N) depths  Salt water depth(s) ft 977 Void(s) encountered (Y/N)	Date drill	ing ceased	08/25/2017
Please note: Operator is required to submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a plugging application within 5 days of verbal process of the submit a	ceased	03/15/201	
Freshwater depth(s) ft 450 Open mine(s) (Y/N) depths Salt water depth(s) ft 977 Void(s) encountered (Y/N)	ranted by	N/A	
Salt water depth(s) ft 977 Void(s) encountered (Y/N)	permission	to plug	Office of Oil
Salt water depth(s) ft 977 Void(s) encountered (Y/N)		N	MAV +
407		N	MAY 18
Coal depth(s) ft Cavern(s) encountered (Y/N		1	WV Departmental Pr
Is coal being mined in area (Y/N) N			ewed by:

WR-35 Rev. 8/23/13

STRINGS	Hole Size	Casing Size		lew or Used	Grade wt/ft		Basket Depth(s)		nt circulate (Y/N) details below*
Conductor	26	20	126	NEW	J-5	55/94#			Y
Surface	17.5	13.375	630	NEW	J-5	55/48#			Y, 10 BBLS
Coal	SEE SURFACE								
ntermediate 1	12.25	9.625	1930	NEW	J-5	55/36#	- <u>-</u>	<u> </u>	Y, 33 BBLS
ntermediate 2									
ntermediate 3									
roduction	8.75/8.50	5.5	13049	NEW	HCP	-110/20#			Y
ubing		2.375	6917	NEW	P-1	10/4.7#			<u> </u>
acker type and d	epth set	· · · · · · · · · · · · · · · · · · ·							
omment Details									
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)		ield ³/sks)	Volume (الم <sup>2</sup> ر)	Ceme Top (N		WOC (hrs)
Conductor	CLASS A	GROUT TO SURF	ĭ		<b>,</b>	Anna cal	SURF		24
Surface	CLASS A	812	15.60	1	.20	974.4	SURF	ACE	8
Coal	SEE SURFAC	E							
ntermediate 1	CLASS A	722	15.60	1	.18	851.96	SURF	ACE	8
ntermediate 2									
ntermediate 3									-
roduction	CLASS A	930/1390	15.60	1.2	1/1.19	1125.3/1654	1.1 SURF	ACE	24
ubing									
Drillers TD (fi	tion penetrated	MARCELLUS		oggers Ti lug back 1					
Plug back pro					<u> </u>				
Plug back pro  Kick off depth  Check all wire	n (ft) 5537	■ caliper ■ neutron	•	■ deviate			duction emperature	□sonic	
Plug back pro	n (ft) 5537	•	■ resistivity	뤔 gamma	ray	<b>B</b> te			No
Plug back pro Kick off depth Check all wire	eline logs run	■ neutron	■ resistivity	<b>B</b> gamma	ray W	<b>■</b> te	emperature collected	Yes ■	
Plug back pro Kick off depth Check all wire Well cored to DESCRIBE T SURFACE: 7 CENTE INTERMEDIATE: 24	eline logs run  Yes No HE CENTRALI	Eneutron  Conventiona  ZER PLACEMEN  D JOINT OF CASING  THIRD JOINT OF CASIN	■ resistivity  I Sidewall  T USED FOR E	ACH CA	wasing s	ere cuttings	emperature collected	Yes ■	
Plug back pro Kick off depth Check all wire Well cored to DESCRIBE T SURFACE: 7 CENTE	eline logs run  Yes No HE CENTRALI	■ neutron  Conventiona  ZER PLACEMEN  DUINT OF CASING	■ resistivity  I Sidewall  T USED FOR E	ACH CA	wasing s	ere cuttings	emperature collected	Yes ■	
Plug back pro Kick off depth Check all wire Well cored to DESCRIBE T SURFACE: 7 CENTF INTERMEDIATE: 24 PRODUCTION: 181	eline logs run  Yes No HE CENTRALI  PALIZERS - EVERY THIR CENTRALIZERS - EVER	Eneutron  Conventiona  ZER PLACEMEN  D JOINT OF CASING  THIRD JOINT OF CASIN	■ resistivity  II Sidewall  T USED FOR E	ACH CA	ASING S	FIRING	collected c	Yes	

Farm name\_JOHN W. HUPP & LINDA H. DOUBLE\_Well number\_JOHN HUPP BRK 210H API 47- 009 - 00187

#### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
Ī	SEE	ATTACHMENT			
		_			
				<u> </u>	
-	_	<u> </u>	-		
-					
		-			
-			-		
			-		

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)
		SEE	ATTACHMENT		, ,			
				_				
				•				
				-				
								Office of Oil and Ga
								O' Oil and Ga
								" 1 2 4
						<u> </u>	<u> </u>	W Den
Please	insert addition	onal pages as a	applicable.				717	WV Department of Protection

RODUCING	FORMATION(	(S)	DEPTHS						
MARCELLUS			6202	TVD	6859	MD			
				-535					
lease insert ad	ditional pages a	as applicable.							
AS TEST	□ Build up	□ Drawdown	□ Open Flow		OIL TEST 🗆 F	low 🗆	Pump		
HUT-IN PRE	SSURE Sur	face 1323	psi Botto	m Hole	psi	DURAT	ION C	OF TEST	hrs
PEN FLOW	Gas	Oil	NGL bpd			GAS M	IEASU	RED BY	
ITHOLOGY/ ORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT			ROCK TYP	E AND	RECORD QUA	ANTITYAND
	NAME TVD	TVD	MD	MD	TYPE OF FL	UID (FRE	SHWAT	ER, BRINE, O	IL, GAS, H <sub>2</sub> S, ETC)
	0	ATTACUMENT	0		-				
	SEE	ATTACHMENT	3						
				-					
leace incert ad	ditional pages	as applicable							
			152						
Orilling Contra	ctor SWN DRIL	LING COMPAN	City	SPRING		State	TX	Zip 7739	91-2359
		Total Control	City	OI THITO		State		Zip	
ogging Comp	any WEATHER	FORD		-			TV	7700	
ossins comp	it. James Place		City	Houston		State	TX	Zip _7705	00
ddress 2000 S		MBERGER WEI	L SERVICES						
ddress 2000 S	npany SCHLUM		City	Weston		State	WV	Zip _2645	52
ddress 2000 S	npany SCHLUM IS Hwy 33 East								
Address 2000 S Cementing Con Address 1080 U	IS Hwy 33 East	WELL SERVICE							
Cementing Condiderss 1080 Unitimulating Co	IS Hwy 33 East Impany SWN	WELL SERVICE	S	SPRING		State	TX	Zip 7739	1-2359 RECEIVE
Cementing Cor Address 1080 United Stimulating Cor Address PO BO	IS Hwy 33 East Impany SWN			SPRING		_ State	TX	Zip _7739	91-2359 RECEIVED OF OIL a
Cementing Con Address 1080 U Stimulating Co Address PO BO Please insert ac	mpany SWN 12359  Iditional pages		S	SPRING				Zip <u>7739</u>	91-2359 RECEIVE OF OIL a
Address 2000 S Cementing Cor Address 1080 U Stimulating Co	mpany SWN 12359  Iditional pages		ES City		Telephone			Zip 7739	MAY 1 8 2 WV Departmental Prot

#### JOHN HUPP BRK 210H ATTACHMENT 1 PERF REPORT

TAGE NUM		PERF REP	ORI	
	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	2/11/2018	12,820	12,927	4
2	2/12/2018	12,680	12,787	4
3	2/12/2018	12,575	12,647	3
4	2/13/2018	12,400	12,537	3
5	2/13/2018	12,260	12,367	4
6	2/13/2018		12,227	4
7	2/14/2018	11,980	12,087	4
8	2/14/2018	11,840	11,947	4
9	2/15/2018	11,700	11,807	4
10	2/15/2018	11,560	11,667	4
11	2/15/2018	11,420	11,527	4
12	2/16/2018		11,387	
13	2/16/2018		11,247	4
14	2/17/2018		11,107	4
15	2/17/2018		10,967	4
16	2/18/2018		10,827	4
17	2/18/2018		10,687	4
18	2/18/2018		10,547	4
19	2/19/2018		10,407	4
20	2/19/2018		10,267	- 1
21	2/19/2018		10,127	4
22	2/19/2018		9,987	4
23	2/20/2018		9,847	4
24	2/20/2018		9,707	4
25	2/20/2018		9,567	4
26	2/21/2018		9,427	1
27	2/21/2018		9,287	4
28	2/21/2018		9,147	4
29	2/21/2018		9,007	
30	2/23/2018		8,867	
31	2/24/2018		8,727	
32	2/24/2018		8,587	
33	2/24/2018		8,447	- 1
34	2/25/2018		8,307	
35	2/25/2018	2000		
36	2/25/2018		8,167 8,027	
37	2/25/2018	7,920		
38			7,887	
39	2/26/2018 2/28/2018		7,747	4
40			7,607	
40	2/28/2018		7,467	
	2/25/2018		8,027	
41	2/1/2010			
	3/1/2018 3/1/2018		7,187 7,047	



#### JOHN HUPP BRK 210H ATTACHMENT 2 STIM REPORT

				STIM REPORT			
1	Stim 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,
-	2/11/2018	88	7,944	8,342	3,789	288,160	7,064
2	2/12/2018	89	8,600	9,042	4,027	283,260	4,228
3	2/12/2018	86	8,207	8,844	4,170	290,420	5,166
4	2/13/2018	91	7,837	8,491	4,380	287,920	4,991
5	2/13/2018	87	8,264	9,094	3,998	291,580	4,670
6	2/14/2018	91	8,125	9,177	4,432	288,740	4,843
7	2/14/2018	89	7,891	8,633	4,430	291,120	4,615
8	2/14/2018	94	7,890	8,529	4,399	294,640	4,747
9	2/15/2018	95	8,225	8,752	4,175	289,620	4,837
10	2/15/2018	95	8,087	8,793	4,362	296,480	4,888
11	2/16/2018	94	8,065	8,681	4,507	291,280	5,012
12	2/16/2018	98	8,050	8,800	4,445	295,960	4,494
13	2/17/2018	88	8,084	8,930	4,384	293,280	4,194
	2/17/2018	94	7,505	7,940	4,649	294,792	4,207
	2/17/2018	93	7,524		4,282	296,240	4,600
	2/18/2018	93	7,661	8,431	4,542	296,240	4,052
	2/18/2018	92	7,460	8,456	4,025	288,620	4,040
	2/18/2018	93	7,511	8,332	4,513	291,160	4,039
	2/19/2018	94			4,511	288,620	3,950
	2/19/2018	95	7,661	8,101	4,498	291,360	3,746
	2/19/2018	91	7,670		4,554	288,820	3,842
	2/20/2018	89			4,287	292,700	3,868
		92			4,849	288,520	3,941
	2/20/2018	92	7,284		4,609	294,340	3,954
	2/20/2018	93			4,740	290,319	3,992
	2/21/2018	97	7,468		4,314	290,920	3,697
		96	7,468		4,672	290,920	3,757
	2/21/2018	99			4,672	290,040	3,990
	2/23/2018				-		3,551
	2/23/2018	100			4,822	289,260	3,332
	2/24/2018	98	7,078		4,986	287,400	
	2/24/2018	100			4,456	287,980	3,425
	2/24/2018	100			4,942	289,180	3,814
	2/25/2018	99		7,256	4,369	291,980	3,690
34	2/25/2018	100			4,633	293,600	3,754
	2/25/2018	99			4,860	289,760	3,654
36	2/26/2018	100			4,449	291,820	3,466
	2/26/2018	100			4,670	282,220	3,352
37			6,574		5,149	290,100	3,379
38	2/26/2018	100					
38 39	2/28/2018	100	6,718		4,715	290,720	3,676
38 39 40	2/28/2018 2/28/2018	100 99	6,718 6,667	7,081	4,907	289,500	3,543
38 39 40 41	2/28/2018 2/28/2018 3/1/2018	100 99 103	6,718 6,667 6,783	7,081 7,132	4,907 4,846	289,500 292,700	3,543 3,434
38 39 40	2/28/2018 2/28/2018	100 99	6,718 6,667 6,783 6,604	7,081 7,132 7,114	4,907	289,500	3,543 3,434





Well Name:

John Hupp BRK 210H

47009001870000

LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	450.00	450.00	
Top of Salt Water	977.00	977.00	NA	NA	
Pittsburgh Coal	497.00	497.00	502.00	502.00	
Pottsville (ss)	617.00	617.00	744.00	744.00	
Mauch Chunk (shale)	852.00	852.00	1536.00	1536.00	
Raven Cliff (ss)	959.00	959.00	1226.00	1226.00	
Maxton (ss)	1311.00	1311.00	1434.00	1434.00	
Greenbriar (Is)	1536.00	1536.00	1678.00	1678.00	
Big Injun (ss)	1678.00	1678.00	1813.00	1813.00	
Berea (siltstone)	2167.00	2167.00	2210.00	2210.00	
Rhinestreet (shale)	6065.00	5720.00	6233.00	5865.00	
Cashaqua (shale)	6233.00	5865.00	6315.00	5928.00	
Middlesex (shale)	6315.00	5928.00	6423.00	6003.00	
Burket (shale)	6423.00	6003.00	6447.00	6018.00	
Tully (Is)	6447.00	6018.00	6532.00	6068.00	
Mahantango (shale)	6532.00	6068.00	6712.00	6160.00	
Marcellus (shale)	6859.00	6202.00	NA	NA	GAS

MAY 1 8 2018

WW Department of Environmental Protection

## **Hydraulic Fracturing Fluid Product Component Information Disclosure**

2/11/2018	Job Start Date:
3/1/2018	Job End Date:
West Virginia	State:
Brooke	County:
47-009-00187-00-00	API Number:
Southwestern Energy	Operator Name:
John Hupp BRK 210	Well Name and Number:
40.17639600	Latitude:
-80.56880206	Longitude:
NAD83	Datum:
NO	Federal Well:
NO	Indian Well:
6,286	True Vertical Depth:
7,317,844	Total Base Water Volume (gal):
128,000	Total Base Non Water Volume:







### **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
HCL	SWN Well Services	Solvent					
ū				Listed Below			
ECOPOL FEACURE TO AY	SWN Well Services	Iron Control					
Affice of Oil and Affice of Oi				Listed Below			

SCAL16486A	Nalco	Scale Inhibitor					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			
BIOC11219A	Nalco	Biocide					
				Listed Below			
Ingredients	Listed Above	Listed Above					
				Listed Below			
FLOJET DR 9000LPP	SWN Well Services	Friction Reducer					
				Listed Below			
Base Water	Operator	Base Fluid					
				Listed Below			
Econo-Cl200	SWN Well Services	Corrosion Inhibitor					
				Listed Below			
Items above are Tr	ade Names with th	e exception of Base Wa	ater . Items below are the indi	vidual ingredients.			
			Water	7732-18-5	100.00000	81.63056	Density = 8.345
Envi			Crystalline Silica, quartz	14808-60-7	100.00000	16.71860	
MAY WW De			Water	7732-18-5	85.00000	1.33845	
MAY I	D.		Hydrochloric Acid	7647-01-0	15.00000	0.22917	
MAY I 8 2018 WW Department of Connection			Petroleum Distillates, Hydrotreated	64742-47-8	45.00000	0.03767	

	Methonol	67-56-1	60.00000	0.01396	
-	Ethylene glycol	107-21-1	10.00000	0.01005	
	Benzyl-(C12-C16 Alky)- Dimethyl-Ammonium	68424-85-1	30.00000	0.00698	
	Acetic Acid	64-19-7	37.50000	0.00305	
	Chloride Glutaraldehyde	111-30-8	10.00000	0.00233	
	Methanol	67-56-1	80.00000	0.00187	
	Citric Acid	77-92-9	22.50000	0.00183	<del> </del>
	Amine Triphosphate	Proprietary	30.00000	0.00168	
	Fatty alcohols ethoxylated	Proprietary	2.00000	0.00167	
	Alcohols, C12- C16,Ethoxylated propoxylated	68213-24-1	2.00000	0.00167	
	Oxyalkylated fatty acid	68951-67-7	9.67400	0.00023	
	Fatty acids	61790-12-3	5.02700	0.00012	
	Modified thiourea polymer	68527-49-1	4.74600	0.00011	
	Potassium acetate	127-08-2	0.02200	0.00000	
	 Formaldehyde	50-00-0	0.00400	0.00000	

<sup>\*</sup> Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water \*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

<sup>\*\*\*</sup> If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line



