Page	of	

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

API 47 017 06270	County Doddride	ge D	District Grant	
Quad Smithburg 7.5'	Pad Name Reviva		ield/Pool Name	
Farm name Williams, Larry et a			Well Number Milo	Unit 1H
Operator (as registered with the O	OG) Antero Resources	Corporation		
Address 1615 Wynkoop Street		ver	State CO	Zip_80202
As Drilled location NAD 83/UT Top hole Landing Point of Curve	Northing 4,352,793m Northing 4,353,020.34m	Eastir	ng 526,716m ng 527,027.58m	
Bottom Hole	Northing <u>4,354,936m</u>	Eastir	ng 526,374m	
Elevation (ft) 1,376' G	L Type of Well	■New □ Existing	Type of Report	□Interim ■Final
Permit Type Deviated Deviated Deviated Deviated Deviated Deviated Deviated Deviated Deviated Deviated Deviated Deviated Deviate	Horizontal	tal 6A 🛭 Vertical	Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert	□ Deepen ■ Drill □	Plug Back Redrill	ing 🗆 Rework	■ Stimulate
Well Type □ Brine Disposal □ C	CBM ■ Gas ■ Oil □ Sec	ondary Recovery □ Sol	ution Mining Sto	rage 🗆 Other
Type of Completion ■ Single □	Multiple Fluids Produ	ced □ Brine ■Gas	□ NGL ■ Oil	□ Other
Drilled with □ Cable ■ Rotary	·			
Drilling Media Surface hole Production hole Air Mud Mud Type(s) and Additive(s) Air-Foam & 4% KCL	Air □ Mud □Fresh Water □ Brine		ole ■ Air □ Mud	□ Fresh Water □ Brine
Mud- Polymer				
Date permit issued 06/28/201 Date completion activities began	Date drilling comn	nenced08/01/2014 Date completion activ	Date drining c	_{eeased} 09/21/2014 02/05/2015
Verbal plugging (Y/N) N/A	Date permission granted		Granted by	N/A
Please note: Operator is required t	o submit a plugging applica	ation within 5 days of ve	rbal permission to p	lug
Freshwater depth(s) ft	427'	Open mine(s) (Y/N) de	pths	No
Salt water depth(s) ft	1,687'	Void(s) encountered (Y	-	None
	e Identified	Cavern(s) enco		None
Is coal being mined in area (Y/N)	No	Office of C		
		AUG 17		Reviewed by:

API 47- 017	_ 06270	Farm n	ame_V	Villiams, Lar	ry et al	w	ell number Mil	o Unit 1H	
CASING STRINGS	Hole Size	Casing Size	D		ew or Grad		Basket Depth(s)	Did cement circ	
Conductor	24"	20"		10'	New 9	4#; H-40	N/A	Y	es
Surface	17 1/2"	13 3/8"	4	84'	New 4	8#; H-40	N/A	Ye	es*
Coal									
Intermediate 1	12 1/4"	9 5/8"	2,	569' 1	New 3	6#; J-55	N/A	Ye	es
Intermediate 2									
Intermediate 3									
Production	8 3/4" & 8 1/2"	5 1/2"	14	,537'	New 2	0#; P-110	N/A	Ye	s
Tubing		2 3/8"	7,	562'	5.	95#; N-80	N/A		
Packer type and d	lepth set	N/A		•	•				
Comment Details	*Initial surface ca	sing (675 sacks) failed to	bring ret	ums to surface. To	p-off job (202 sacks)	was performed,	which was successfu	l in bringing returns to) surface.
CEMENT DATA	Class/Type of Cement			Slurry wt (ppg)	Yield (ft ³/sks)	Volum ((1) ک			WOC (hrs)
Conductor	Class A	100 s		15.6	1.18	38	0'		8 Hrs.
Surface	Class A	877 s		15.2	1.3	336	0'	·	8 Hrs.
Coal									
Intermediate 1	Class A	949 s	Κ	15.6	1.18	805	0'		8 Hrs.
Intermediate 2									
Intermediate 3									
Production	Class H	1,136 sx (Lead); 1,1	30 sx (Teil)	14.5 (Lead); 15.2 (Tail)	1.3 (Lead); 1.86 (T	ail) 2,856	6 ~500° into Intern	nediate Casing	8 Hrs.
Tubing									
	ation penetrated	TVD (BHL); 7,318' TVD (Marcellus	Deepest P		ggers TD (ft)				
Kick off depth	n (ft) 6,912' eline logs run**	caliper			- o deviated/dire o gamma ray		logs o Unit 1 wireti	s is a subsequent well. on one well on a multi- IH, API #47-017-0626 ne logs submitted with in Revival Unit 1H. A C ded with this submittal.	well pad (Mt. Salem I). Please reference Form WR-35 for the
Well cored	□ Yes 🖪 No	Conventi	onal	Sidewall		Were cuttin	igs collected	□ Yes ■ No	
DESCRIBE T	HE CENTRAI	LIZER PLACEM	ENT U	JSED FOR EA	ACH CASING	STRING _			
Surface- 1 above gui		rt float, 1 every 4th joint to							
		oat collar, 1 every 4th join t collar, 1 every 3rd joint to							
		AS SHOT HOL		Yes A No	DETAIL	s		Received e of Oil &	
WAS WELL	COMPLETED	OPEN HOLE?	□ Ye	es 🖪 No	DETAILS	-	Al	UG 1 7 2015	
WERE TRAC	CERS USED	□ Yes B No	TY	PE OF TRAC	ER(S) USED				

WR-	35
Rev.	8/23/13

API 47- 017 - 06270 Farm name Williams, Larry et al Well number Milo Unit 1H	API 47- 017 - 06270	Farm name Williams, Larry et al	Well number_Milo Unit 1H
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	<u> </u>				
		* PLEASE S	SEE ATTA	CHED EX	CHIBIT 1

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)
			PLEASE SE	F ATTACI	UFD EV	HIDIT 2		
		<u> </u>	LEASE SE	EATIACI	ILD EA	IIIDII Z		
							<u> </u>	
						_		
						<u> </u>	Receiv	red
						Off	ice of O	l & Gas
<u> </u>	1						AUG 17	201 5

Please insert additional pages as applicable.

ev. 8/23/13										
PI 47- 017	_ 06270	Farm	n name Williams	, Larry et a	al	_Well r	umber_	Milo U	Jnit 1H	ľ
RODUCING I	FORMATION(S	S)	DEPTHS							
//arcellus		_		TVD 7	',623' (top)	MD				
						_				
lease insert add	ditional pages a	s applicable.								
AS TEST	□ Build up □	Drawdown	■ Open Flow	C	OIL TEST - F	low [Pump			
HUT-IN PRES	SSURE Surf	ace 3,550	psi Botto	m Hole	psi	DURAT	ION O	F TES	Γ	hrs
PEN FLOW		Oil		,						
		pd 3	bpd	bpd 7						□ Pilot
THOLOGY!	TOD	воттом	TOP	BOTTOM						
THOLOGY/ ORMATION	TOP DEPTH IN FT	DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FI	DESCRIBE R	OCK TY	E AND I	RECORI	QUAN	TITYAND
	NAME TVD	TVD	MD	MD	TYPE OF FLU	JID (FRE	SHWATI	R, BRI	NE, OIL,	GAS, H ₂ S, ETC)
	0		0							
			0							
			0							
			0							
	0			ГТАСН	IED EXH	IIRI	Г3			
	0		SE SEE A	ГТАСН	IED EXH	IIBI	Г3			
	0			ГТАСН	IED EXH	IIBI	Г3			
	0			ГТАСН	IED EXH	IIBI	Г3			
	0			ГТАСН	IED EXH	IIBI	Г3			
	0			ГТАСН	IED EXH	IIBI	Γ3			
lease insert ad	0	PLEAS		ГТАСН	IED EXH	IIBI	Γ3			
rilling Contrac	ditional pages a	PLEAS s applicable.	SE SEE AT		IED EXH					
	ditional pages a	PLEAS s applicable.	SE SEE AT	FTACE	IED EXH	IIBI		Zip	15330	
orilling Contract ddress 207 Car	ditional pages a ctor Patterson - Idon Drive	PLEAS s applicable.	SE SEE A	Eighty Four	IED EXH	State	PA			
rilling Contrac	ditional pages a ctor Patterson - Idon Drive	PLEAS s applicable.	SE SEE A		IED EXH		PA		15330	
orilling Contracted ddress 207 Can ogging Compared ddress 1560 Green contracted dress 2560 Green contracted ddress 2560 Green contra	ditional pages a ctor Patterson - clton Drive any STRC cood Hope Pike	PLEAS s applicable. UTI Drilling C	ompany LLC City	Eighty Four Clarksburg es, Co.	IED EXH	_ State	PA WV	_ Zip	26301	
orilling Contracted ddress 207 Can ogging Compared ddress 1560 Green contracted dress 2560 Green contracted ddress 2560 Green contra	ditional pages a ctor Patterson - clton Drive any STRC cood Hope Pike	PLEAS s applicable. UTI Drilling C	ompany LLC City City	Eighty Four	IED EXH	State	PA WV	_ Zip		
Orilling Contract Address 207 Car Address Compact Address 1560 Gr	ditional pages a ctor Patterson - clon Drive any STRC cood Hope Pike apany Nabors C ackers Creek apany Baker h	PLEAS s applicable. UTI Drilling C	ompany LLC City City Production Service	Eighty Four Clarksburg es, Co.	IED EXH	_State	PA WV	_ Zip _ Zip	26301 26378	Received

Title Permitting Agent

Date 08/14/2015

_	API 47-017-06270 Farm Name Williams, Larry et al Well Number Milo Unit 1H									
	EXHIBIT 1									
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations					
1	12-Nov-14	14,276	14,445	60	Marcellus					
2	3-Jan-15	14,076	14,245	60	Marcellus					
3	3-Jan-15	13,876	14,045	60	Marcellus					
4	3-Jan-15	13,676	13,844	60	Marcellus					
5	4-Jan-15	13,475	13,644	60	Marcellus					
6	4-Jan-15	13,275	13,444	60	Marcellus					
7	4-Jan-15	13,075	13,244	60	Marcellus					
8	5-Jan-15	12,874	13,043	60	Marcellus					
9	5-Jan-15	12,674	12,843	60	Marcellus					
10	5-Jan-15	12,474	12,643	60	Marcellus					
11	6-Jan-15	12,273	12,442	60	Marcellus					
12	6-Jan-15	12,073	12,242	60	Marcellus					
13	6-Jan-15	11,873	12,042	60	Marcellus					
14	8-Jan-15	11,672	11,841	60	Marcellus					
15	8-Jan-15	11,472	11,641	60	Marcellus					
16	9-Jan-15	11,272	11,441	60	Marcellus					
17	9-Jan-15	11,072	11,240	60	Marcellus					
18	9-Jan-15	10,871	11,040	60	Marcellus					
19	10-Jan-15	10,671	10,840	60	Marcellus					
20	10-Jan-15	10,471	10,640	60	Marcellus					
21	10-Jan-15	10,270	10,439	60	Marcellus					
22	10-Jan-15	10,070	10,239	60	Marcellus					
23	11-Jan-15	9,870	10,039	60	Marcellus					
24	11-Jan-15	9,669	9,838	60	Marcellus					
25	11-Jan-15	9,469	9,638	60	. Marcellus					
26	11-Jan-15	9,269	9,438	60	Marcellus					
27	12-Jan-15	9,068	9,237	60	Marcellus					
28	12-Jan-15	8,868	9,037	60	Marcellus					
29	12-Jan-15	8,668	8,837	60	Marcellus					
30	13-Jan-15	8,467	8,636	60	Marcellus					
31	13-Jan-15	8,267	8,436	60	Marcellus					
32	13-Jan-15	8,067	8,236	60	Marcellus					
33	13-Jan-15	7,867	8,035	60	Marcellus					
34	14-Jan-15	7,666	7,835	60	Marcellus					

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	API 47-017-06270 Farm Name Williams, Larry et al Well Number Milo Unit 1H								
	EXHIBIT 2								
	Ι		Avg	Max			T	Amount of	
			Treatment	Breakdown			Amount of	Nitrogen/	
	Stimulations	Avg Pump	Pressure	Pressure		Amount of Proppant	Water	other	
Stage No.	Date	Rate	(PSI)	(PSI)	ISIP (PSI)	(lbs)	(bbls)	(units)	
1	2-Jan-15	65.0	6,832	0	5,186	79,500	6,769	N/A	
2	3-Jan-15	64.0	6,957	5,836	5,112	247,493	6,600	N/A	
3	3-Jan-15	67.0	7,171	5,883	5,345	247,181	6,869	N/A	
4	3-Jan-15	66.0	7,056	5,897	4,949	249,453	6,580	N/A	
5	4-Jan-15	65.0	6,912	5,805	4,992	243,605	6,565	N/A	
6	4-Jan-15	70.4	7,136	5,623	4,862	243,928	6,506	N/A	
7	4-Jan-15	69.0	7,092	5,719	5,335	243,856	6,424	N/A	
8	5-Jan-15	65.0	6,747	5,564	4,674	247,641	6,640	N/A	
9	5-Jan-15	72.5	7,169	5,731	5,108	244,699	6,454	N/A	
10	5-Jan-15	72.0	7,064	5,630	4,893	244,988	6,616	N/A	
11	6-Jan-15	64.0	6,777	5,683	4,431	245,027	6,597	N/A	
12	6-Jan-15	65.2	6,866	5,711	4,785	248,538	6,364	N/A	
13	6-Jan-15	65.6	6,898	5,658	4,934	245,929	6,546	N/A	
14	8-Jan-15	64.0	6,750	5,548	5,040	243,179	6,704	N/A	
15	8-Jan-15	64.0	6,720	5,495	5,050	243,576	6,882	N/A	
16	9-Jan-15	64.0	6,692	5,724	5,116	247,931	6,771	N/A	
17	9-Jan-15	62.9	6,630	5,511	4,550	246,201	6,547	N/A	
18	9-Jan-15	64.4	6,857	5,538	4,964	244,812	6,459	N/A	
19	10-Jan-15	63.0	6,719	5,583	5,123	245,896	6,489	N/A	
20	10-Jan-15	57.4	6,533	5,599	5,308	244,947	6,545	N/A	
21	10-Jan-15	63.3	6,680	5,402	5,302	245,471	6,313	N/A	
22	10-Jan-15	63.0	6,498	5,409	5,074	245,472	6,460	N/A	
23	11-Jan-15	63.0	6,645	5,590	4,832	245,472	6,400	N/A	
24	11-Jan-15	64.7	6,723	5,317	5,101	245,600	6,320	N/A	
25	11-Jan-15	64.5	6,471	5,413	5,423	244,081	6,120	N/A	
26	11-Jan-15	62.0	6,322	5,487	5,328	243,377	6,171	N/A	
27	12-Jan-15	59.0	6,352	5,479	5,103	242,291	6,082	N/A	
28	12-Jan-15	64.0	6,502	5,445	5,176	244,803	6,068	N/A	
29	12-Jan-15	66.0	6,720	5,504	5,480	243,003	6,068	N/A	
30	13-Jan-15	62.0	6,378	5,644	5,614	234,160	6,691	N/A	
31	13-Jan-15	68.0	6,241	5,446	5,083	246,044	6,386	N/A	
32	13-Jan-15	65.0	6,237	5,353	5,434	247,896	6,120	N/A	
33	13-Jan-15	65.0	6,045	5,271	5,419	244,906	6,227	N/A	
34	14-Jan-15	66.0	6,050	5,755	4,343	245,762	6,138	N/A	
	AVG=	64.9	6,689	5,419	5,073	8,166,718	219,491	TOTAL	

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AF	N <u>47-017-06270</u> Farm Na	me Williams, Larry et al Well	Number Milo Unit 1H						
EXHIBIT 3									
	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)					
LITHOLOGY/ FORMATION	From Surface	From Surface	From Surface	From Surface					
Fresh Water	427'	N/A	427'	N/A					
Shale	0	337	0	337					
Siltstone/ Sandstone	337	597	337	597					
Shale	597	707	597	707					
Sandstone	707	837	707	837					
Siltstone/ Shale	837	917	837	917					
Shale	917	1,727	917	1,727					
Sandstone	1,727	1,787	1,727	1,787					
Shale	1,787	1,907	1,787	1,907					
Sandstone/ Trace Coal	1,907	1,987	1,907	1,987					
Sandstone	1,987	2,127	1,987	2,127					
Sandstone/ Trace Coal	2,127	2,147	2,127	2,147					
Shale/ Sandstone	2,147	2,237	2,147	2,237					
Big Lime	2,237	2,335	2,237	2,335					
Big Injun	2,335	2,794	2,335	2,794					
Gantz Sand	2,794	2,909	2,794	2,909					
Fifty Foot Sandstone	2,909	3,007	2,909	3,007					
Gordon	3,007	3,351	3,007	3,351					
Fifth Sandstone	3,351	3,403	3,351	3,403					
Bayard	3,403	3,746	3,403	3,746					
Warren	3,746	4,121	3,746	4,121					
Speechley	4,121	4,355	4,121	4,355					
Baltown	4,355	4,883	4,355	4,891					
Bradford	4,883	5,348	4,891	5,392					
Benson	5,348	5,575	5,392	5,647					
Alexander	5,575	5,738	5,647	5,832					
Elk	5,738	6,285	5,832	6,439					
Rhinestreet	6,285	6,592	6,439	6,765					
Sycamore	6,569	6,790	6,742	6,981					
Middlesex	6,790	7,083	6,981	7,381					
Burkett	7,083	7,112	7,381	7,428					
Tully	7,112	7,196	7,428	7,623					
Marcellus	7,196	N/A	7,623	N/A					

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

API <u>47</u> 017 06270	County Doddridg	e Dis	trict Gr	ant		
Quad Smithburg 7.5'	Pad Name Reviva			Name		*******
Farm name Williams, Larry et al					Unit 1H	
Operator (as registered with the OOG)	Antero Resources	Corporation				
Address 1615 Wynkoop Street	City Den		State _	00	Zip _	80202
	Attach an as-drilled Northing 4,352,793m Jorthing 4,353,020.34m		526,716	m		
	Northing 4,354,936m	Easting Easting				
Elevation (ft) 1,376' GL Permit Type Deviated Ho Type of Operation Convert D	orizontal Horizonta	New □ Existing al 6A □ Vertical Plug Back □ Redrilling	Depth	f Report Type Rework	□ Deep Stimula	■ Shallow
Well Type □ Brine Disposal □ CBM	■ Gas ■ Oil □ Seco	ondary Recovery Solution	ion Mini	ng 🗆 Sto	orage 🗆 C	Other
Type of Completion ■ Single □ Mul Drilled with □ Cable ■ Rotary	tiple Fluids Produc	ed □Brine ■Gas □	NGL	■ Oil	□ Other _	
Drilling Media Surface hole Air	□ Mud □Fresh Wate	er Intermediate hole	Air	□ Mud	□ Fresh	Water 🗆 Brine
Production hole □ Air ■ Mud □	Fresh Water Brine					
Mud Type(s) and Additive(s) Air- Foam & 4% KCL						
Mud- Polymer					<u> </u>	
Date permit issued06/28/2013	_ Date drilling comm				ceased	09/21/2014
Date completion activities began		Date completion activiti		'	NI/A	
Verbal plugging (Y/N) N/A I	Date permission granted	N/A	Granted	by	IN/A	
Please note: Operator is required to su	bmit a plugging applica	tion within 5 days of verb	al permi	ssion to p	olug	
Freshwater depth(s) ft	427'	Open mine(s) (Y/N) dept	hs		No	
	,687'	Void(s) encountered (Y/I			No	ne
	lentified	Cavern(s) enco	· . •		No	one
Is coal being mined in area (Y/N)	No	Office of Oi				
· · · · · · · · · · · · · · · · · · ·		AUG 17				ewed by:

10.1 - 15%

Baker Hughes

alcium Chloride

Baker Hughes

MSDS and Non-MSDS Ingredients Listed Below

WIN

MSDS and Non-MSDS Ingredients Listed Below

N/A

0.04003

0.0191

0.06458SmartCare Product

0.22209SmartCare Product

MSDS and Non-MSDS Ingredients Listed Below

N/A

MSDS and Non-MSDS ingredients Listed Below

NA

MSDS and Non-MSDS Ingredients Listed Below

NA

0.73900

3aker Hughes

Gelling Agent

aker Hughes

riction Reducer

Vater

perator

Carrier

Trade Name

Supplier

Purpose

Ingredients

Abstract Service

Ingredient Maximum

Maximum

Chemical

Number

Concentration in Concentration in Additive HF Fluid

Comments

(CAS #)

(% by mass)**

(% by mass)**

and, White, 40/70

Baker Hughes

roppant

Water

732-18-5

100.0000

90.4700

5.0758

3.31412

and, White, 20/40

Baker Hughes

roppant

and, White,

100

Baker Hughes

roppant

MSDS and Non-MSDS Ingredients Listed Below

X

MSDS and Non-MSDS Ingredients Listed Below

NA

Hydraulic Fracturing Fluid Product Component Information Disclosure

position:	Hydraulic Fracturing Fluid Composition:
0	Total Base Non Water Volume:
9,767,268	Total Base Water Volume (gal):
7,318	True Vertical Depth:
NO	Federal/Tribal Well:
NAD83	Datum:
39.32413600	Latitude:
-80.69005300	Longitude:
Milo Unit 1H	Well Name and Number:
Antero Resources Corporation	Operator Name:
47-017-06270-00-00	API Number:
Doddridge	County:
West Virginia	State:
1/14/2015	Job End Date:
1/2/2015	Job Start Date:







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																							ngredients in Additive (s) (MSDS and non-MSDS)	Ingredients shown ab		CI-39		GW-3LDF		Ferrotrol 300L		Alpha 1427		Enzyme G-NE		Scaletrol 720
																							Baker Hughes	ingredients shown above are subject to 29 C		Baker Hughes		Baker Hughes		Baker Hughes		Baker Hughes		Baker Hughes		Baker Hughes
																							See Trade Name(s) List	FR 1910.1200(i) and ap		Corrosion Inhibitor		Gelling Agent		ron Control		Biocide		Breaker		Scale Inhibitor
Mineral Oil	Sorbitan Monooleate	Polyoxythylene Sorbitan Monooleate	Ethanol	Quaternary Ammonium Compound	Concentrate	Citric Acid	Didecyl Dimethyl Ammonium Chloride	Potassium Chloride	Alcohols, C12-16, ethoxylated	Oleamide DEA	Ammonium Chloride	Glutaraldehyde	2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt	Sodium Chloride	Ethylene Glycol	Hydrotreated Light Distillate	Poly (acrylamide-co-acrylic acid) 62649-23-4 partial sodium salt	Calcium Chloride	Hydrochloric Acid	Guar Gum	Water	Crystalline Silica (Quartz)		ata	MSDS and Non-MSDS Ingredients Listed Below		MSDS and Non-MSDS Ingredients Listed Below		MSDS and Non-MSDS Ingredients Listed Below		MSDS and Non-MSDS Ingredients Listed Below		MSDS and Non-MSDS Ingredients Listed Below		MSDS and Non-MSDS Ingredients Listed Below	
8042-47-5	1338-43-8	9005-65-6	64-17-5	68424-85-1	9025-56-3	77-92-9	7173-51-5	7447-40-7	68551-12-2	93-83-4	12125-02-9	111-30-8	71050-62-9	7647-14-5	107-21-1	64742-47-8	62649-23-4	10043-52-4	7647-01-0	9000-30-0	7732-18-5	14808-60-7		Sheets (MSDS), Ingredients si	N/A		N/A		N/A		N/A		N/A		NIA	
70.00000	0.50000	0.50000	5.00000	5.00000	3.0000	60.00000	10.00000	5.00000	2.00000	2.00000	3.00000	30.00000	20.00000	5.00000	45.00000	30.00000	30.00000	100.00000	15.00000	100.00000	95.00000	100.00000		its shown below are Non-MSDS												
0.00032	0.00032	0.00032	0.00047	0.00049	0.0000+	0.00090	0.00093	0.00112	0.00129	0.00129	0.00194	0.00279	0.00328	0.00435	0.00739	0.01937	0.01937	0.01995	0.03331	0.04030	0.24137	9.12751		on-MSDS.	0.00045		0.00046SmartCare Product	C	0.00149SmartCare Product		0.00930SmartCare Product C	91	0.01286SmartCare Product		0.01643SmartCare Product (A)	

Oxyalkylated Fatty Acid Potassium Acetate Isopropanol Tar Bases, Quinoline Derivs., Benzyl Chloride-Quaternized sotridecanol, ethoxylated Formic Acid Petroleum Distillates Potassium lodide Crystalline Silica: Quartz 1-butoxy-2-propanol Paraffinic Petroleum Distillate olyaklylene Sulfurized polyolefin -butoxy-1-propanol 64-18-6 61791-002 5131-66-8 64742-55-8 64742-47-8 127-08-2 67-63-0 72480-70-7 7681-11-0 8037-13-8 9043-30-5 5821-83-7 756-94-7 4808-60-7 30.00000 30.00000 30.00000 40.00000 30.00000 30.0000 0.50000 2.00000 5.00000 5.00000 0.10000 1.0000 5.00000 5.0000 5.00000 0.0000 0.00002 0.00002 0.0001 0.00014 0.0000 0.0000 0.0000 0.00013 0.0001 0.0000 0.0000 0.0000 0.000 0.00018 Received Gas 0 JG 5

*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%

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)

