8. Operator Name and Address BOPCO, L.P. 6 Desta Drive, 6 P. O. Box 2760 Midland 79702  11. Last Fracture Date: 1.  13. Pool Code(s): 96046  15. True Vertical Depth (TVT 7,721 ft 17. HYDRAULIC FLUID COT Trade Name Supplies SSA-2 Hallibut BROWN CRC SAND Hallibut BROWN CRC SAND Hallibut BROWN CRC SAND Hallibut BROWN Hallibut BROWN CRC SAND Hallibut BROWN CRC SAND Hallibut BROWN H	Naturi Oil Cons 1220 S Santa  ACTURING FL  Ste 3700  2/17/2012 Frac Per  2/17/2012 Fra	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	2. Well Name:     POI 3. Well Numbe     318 4. Surface Hole Unit:H Lot:H Feet from:15: Feet from:93: 5. Bottom Hole Unit:H Lot:H Feet from:93: 6. latitude:     32 7. County:     Edd: 9. OGRID: 12. Productin O 14. Gross Fire C 16. Total Vo 56  (CAS #) Chemica Abstract Service #	### A	Maximum
8. Operator Name and Address BOPCO, L.P. 6 Desta Drive, 6 P. O. Box 2760 Midland 79702  11. Last Fracture Date: 1.  13. Pool Code(s): 96046  15. True Vertical Depth (TVT 7,721 ft 17. HYDRAULIC FLUID COT Trade Name Supplies SSA-2 Hallibut BROWN CRC SAND Hallibut BROWN CRC SAND Hallibut BROWN HALLIBUT BROW	Santa ACTURING FL Ste 3700  2/17/2012 Frac Per Ste 3700  2/17/2012 Frac Per Ste 3700  Purpose  Or Inton Proppant Inton Initiator Inton Proppant Inton Initiator Inton Proppant Inton Proppant Inton Initiator Inton Proppant Inton Proppant Inton Initiator Inton Proppant Inton Proppant Inton Initiator Inton Initiator Inton Proppant Inton Proppant Inton Initiator Inton Proppant Inton Initiator Inton Proppant Inton Initiator Inton Initiator Inton Initiator Inton Proppant Inton Initiator Inton Initi	Fe, NM 87505  UID DISCLOSURE  CONCENTRATION: Ingredients  Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	POI  3. Well Number 318  4. Surface Hold Unit:H Lot:H Feet from: 15: Feet from: 93: 6. Bottom Hole Unit:H Lot:H Feet from: 93: 6. Iatitude: 32  7. County: Edd: 9. OGRID: 2: 12. Production 14. Gross From: 93: 14. Gross From: 93: 14. Gross From: 93: 14. Gross From: 94: 14. Gross From: 95: 16. Total Volume 15: 14. Gross From: 95: 16. Total Volume 16. Total Volume 16. Total Volume 16. Total Volume 17: 14. Gross From: 95: 16. Total Volume 16. Total	Section: 4   Township   Section: 4   Township   South   Township   South   Section: 4   Township   South   Section: 4   Township   South   S	Maximum
8. Operator Name and Address BOPCO, L.P. 6 Desta Drive, 6 P. O. Box 2760 Midland 79702  11. Last Fracture Date: 1.  13. Pool Code(s): 96046  15. True Vertical Depth (TVT 7,721 ft 17. HYDRAULIC FLUID COT Trade Name Supplies SSA-2 Hallibut BROWN CRC SAND Hallibut BROWN CRC SAND Hallibut BROWN HALLIBUT BROW	ACTURING FL  Site 3700  2/17/2012 Frac Per  2/	rformed by: Halliburton  CONCENTRATION: Ingredients  Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	4. Surface Holi Unit:H Lot:H Feet from:15: Feet from:93i 5. Bottom Holi Unit:H Lot:H Feet from:15: Feet from:93i 6. Istitude: 32 7. County: Edd 9. OGRID: 12. Producti O 14. Gross Fris C 16. Total Vo 16. Total Vo 16. Total Vo 17. County: 18. County: CC 19. OGRID: 19. OGRID: 11. Production O 14. Gross Fris C 14. Gross Fris C 16. Total Vo 16. T	Section:   Section:   Section:   Section:   Section:   Township   30	Maximum Ingredient Concentration in HF Fluid (% by mass)  2.08595%  0.0107%  0.00084%  0.000825%  0.02512%
8. Operator Name and Address BOPCO, L.P. 6 Desta Drive, 6 P. O. Box 2760 Midland 79702  11. Last Fracture Date: 1.  13. Pool Code(s): 96046  15. True Vertical Depth (TVT 7,721 ft 17. HYDRAULIC FLUID COT Trade Name Supplies SSA-2 Hallibut BROWN CRC SAND Hallibut BROWN CRC SAND Hallibut BROWN HALLIBUT BROW	Ste 3700  2/17/2012 Frac Per  2/17/2012 Frac P	CONCENTRATION: Ingredients  Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	Feet from: 15: Feet from: 93i 5. Bottom Hould Unit: H Lot: H Lot: H Feet from: 15: Feet from: 15: Feet from: 93i 6. Istitude: 32 7. County: Edd: 9. OGRID: 12. Producting 14. Gross Frac C 16. Total Vo 16. Total Vo 17. County: Edd: H Gross Frac C 18. Total Vo 19. OGRID: 12. Producting 14. Gross Frac C 16. Total Vo 16. Total Vo 17. County: Edd: H Gross Frac C 18. Total Vo 18. Total Vo 19. Gross Frac C 19. Gross Frac C 10. Gross Frac C 10. Total Vo 10. Total V	30 N/S Line: 0 E/W Line 1 Section: 4 Township 30 N/S Line: 10 E/W Line 10 E/W	Maximum Ingredient Concentration in HF Fluid (% by mass)  2.08595%  0.0107%  0.00084%  0.000825%  0.02512%
8. Operator Name and Address BOPCO, L.P. 6 Desta Drive, 5 P. O. Box 2760 Midland 79702  11. Last Fracture Date: 1.  13. Pool Code(s): 96046  15. True Vertical Depth (TVT 7,721 ft 17. HYDRAULIC FUID COT 17. HYDRAULIC FUID COT 18. SAAD Hallibut 19. SAAD HALIBUT 19. SA	Ste 3700  2/17/2012 Frac Per  2/17/2012 Frac P	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes	Unit:H Lot:H Feet from: 15: Feet from: 93: 6. latitude: 32 7. County: Edd 9. OGRID: 21  12. Production 14. Gross Fract C 16. Total Vo 5:  (CAS #) Chemica Abstract Service #  14808-60-7 14808-60-7 14808-60-7 100-97-0 9003-35-4 Confidential Business Information 95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	Section: 4 Township   30	Maximum Ingredient Concentration in HF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107% 0.00084% 0.05025% 0.02512%
BOPCO, L.P. 6 Desta Drive, 5 P. O. Box 2760	Ste 3700  2/17/2012 Frac Per  2/17/2012 Frac P	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes	6. latitude: 32 7. County: Edd: 9. OGRID: 12. Productic O 14. Gross Fra C 16. Total Vo 5i  (CAS #) Chemica Abstract Service #  14808-60-7 14808-60-7 14808-60-7 100-97-0 9003-35-4  Confidential Business Information 95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	10. Phone   10.	Maximum Ingredient Concentration in HF Fluid (% by mass)  83.22861%  0.27532%  13.91095%  2.08595%  0.04172%  0.0107%  0.00084%  0.05025%  0.02512%
BOPCO, L.P. 6 Desta Drive, 5 P. O. Box 2760	Ste 3700  2/17/2012 Frac Per  2/17/2012 Frac P	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes	12. Production 14. Gross Free 16. Total Vo 16. Total Vo 18. Total Vo 18. Total Vo 19. OGRID: 10. Total Vo 10.	in Type: included Interval: onfidential lume of Fluid Pumped: 3,446 bbls  Maximum Ingredient Concentration in Additive (% by mass) 100% 100% 5% 50% 50%	Maximum Ingredient Concentration in HF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107% 0.00084% 0.05025% 0.02512%
BOPCO, L.P. 6 Desta Drive, 5 P. O. Box 2760	Ste 3700  2/17/2012 Frac Per  2/17/2012 Frac P	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes	12. Production O 14. Gross Fre C 16. Total Vo 16. Total Vo 16. Total Vo 17. Total Vo 18. Total Vo 18. Total Vo 19. Total Vo 14. Gross Fre C 14. Gross Fre 19. Total Vo 19. Tot	on Type: inclured Interval: onfidential lume of Fluid Pumped: 8,446 bbls    Maximum   Ingredient   Concentration in Additive (% by mass)   100%   100%   50%   100%   50	Maximum Ingredient Concentration in HF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107% 0.00084% 0.05025% 0.02512%
P. O. Box 2760 Midland 79702  11. Last Fracture Date: 1  13. Pool Code(s): 96046  15. True Vertical Depth (TVI 7,721 ft 17. HYDRAULIC FUID COTTrade Name Supplies  Fresh Water Opera SSA-2 Hallibut SAND - Hallibut SAND HALIBUT SAND	2/17/2012 Frac Per 2/17/2012 Fra	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes	CAS #) Chemica   Abstract Service #   14808-60-7   14808-60-7   14808-60-7   14808-60-7   100-97-0   9003-35-4   Confidential Business Information   95-63-6   64-17-5   64742-94-5   91-20-3   127087-87-0   107-21-1   107-21-1	Maximum   Ingredient   Ingred	Maximum Ingredient Concentration in HF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107%  0.00084% 0.05025% 0.02512%
13. Pool Code(s):	or Purpose  or Purpose  or Proppant  inton Proppant  inton Proppant  inton Non-ionic  Surfactant  inton Defoamer  inton pH Control  Additive  inton pH Control  Additive  inton Solvent	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes	CAS #) Chemica   Abstract Service #   14808-60-7   14808-60-7   14808-60-7   14808-60-7   100-97-0   9003-35-4   Confidential Business Information   95-63-6   64-17-5   64742-94-5   91-20-3   127087-87-0   107-21-1   107-21-1	Maximum   Ingredient   Ingred	Maximum Ingredient Concentration in HF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107%  0.00084% 0.05025% 0.02512%
15. True Vertical Depth (TVT 7,721 ft 17. HYDRAULIC FLUID CC Trade Name Supplie SSA-2 Hallibu SAND - PREMIUM BROWN CRC SAND Hallibu CLA-WEB™ Hallibu BC-140 X2 HALLIBU BC-140	or Purpose  or Purpose  or Proppant  inton Proppant  inton Proppant  inton Non-ionic  Surfactant  inton Defoamer  inton pH Control  Additive  inton pH Control  Additive  inton Solvent	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	16. Total Vo 56  (CAS #) Chemica Abstract Service #  14808-60-7  14808-60-7  14808-60-7  100-97-0  9003-35-4  Confidential Business Information 95-63-6  64-17-5  64742-94-5  91-20-3  127087-87-0	Iume of Fluid Pumped: 3,446 bbls    Maximum   Ingredient   Concentration in Additive (% by mass)   100%   100%   100%   5%   50%   10%   60%   30%   5%	Maximum Ingredient Concentration in HF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107%  0.00084% 0.05025% 0.02512%
Fresh Water Opera SSA-2 Hallibu SAND - PREMIUM BROWN CRC SAND Hallibu CLA-WEB™ Hallibu D-AIR 3000L Hallibu D-AIR 3000L Hallibu D-AIR 3000L Hallibu D-AIR 3000L Hallibu SP BREAKER Hallibu SP BREAKER Hallibu Ingredients Listed Below This Line Are	or Inton Proppant Inton Proppant Inton Additive Inton Defoamer Inton PH Control Additive Inton Solvent Inton PH Control Inton PH Control Additive Inton Solvent Inton Priction Inton Priction Inton Ph Control Additive Inton Ph Control Inton PH Co	Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	Abstract Service #  14808-60-7  14808-60-7  14808-60-7  100-97-0  9003-35-4  Confidential Business Information  95-63-6  64-17-5  64742-94-5  91-20-3  127087-87-0	Ingredient Concentration in Additive (% by mass)  100%  100%  100%  2%  5%  50%  186  60%  30%	Ingredient Concentration in IHF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107%  0.00084% 0.05025% 0.02512%
SSA-2 SAND - PREMIUM BROWN CRC SAND Hallibu  CLA-WEB™ Hallibu  LoSurf-300D Hallibu  BC-140 X2 Hallibu  D-AIR 3000L Hallibu  MO-67 Hallibu  FR-38 Hallibu  FR-38 Hallibu  SP BREAKER Ingredients Listed Below This Line Are	inton Proppant inton Proppant inton Proppant inton Additive inton Non-ionic Surfactant inton Initiator inton Defoamer inton pH Control Additive inton Solvent inton Friction	Crystalline silica, quartz  Crystalline silica, quartz  Hexamethylenetetramine Phenol / formaldehyde resin  Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonlyhenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	14808-60-7 14808-60-7 14808-60-7 100-97-0 9003-35-4 Confidential Business Information 95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	Additive (% by mass)  100%  100%  100%  100%  20%  50%  50%  10%  50%  50%  50%  50%	HF Fluid (% by mass) 83.22861% 0.27532% 13.91095% 2.08595% 0.04172% 0.1043% 0.0107% 0.00084% 0.05025% 0.02512%
SAND - PREMIUM BROWN CRC SAND Hallibu  CLA-WEB™ Hallibu  LoSurf-300D Hallibu  BC-140 X2 Hallibu  D-AIR 3000L Hallibu  MO-67 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT OPTIFLO-HTE Hallibu  SP BREAKER Ingredients Listed Below This Line Are	irton Proppant Irton Proppant Irton Additive Irton Non-ionic Surfactant Irton Initiator Irton Defoamer Irton pH Control Additive Irton Solvent Irton Friction	Crystalline silica, quartz  Crystalline silica, quartz  Hexamethylenetetramine Phenol / formaldehyde resin  Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonlyhenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	14808-60-7 14808-60-7 100-97-0 9003-35-4 Confidential Business Information 95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	100% 100% 2% 5% 50% 10% 60% 30%	13.91095%  2.08595% 0.04172% 0.1043%  0.0107%  0.00084% 0.05025% 0.02512%
CRC SAND Hallibu  CLA-WEB™ Hallibu  LoSurf-300D Hallibu  BC-140 X2 Hallibu  D-AIR 3000L Hallibu  MO-67 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Hallibu  Ingredients Listed Below This Line Are	irton Additive  Irton Non-ionic Surfactant  Irton Initiator  Irton Defoamer  Irton pH Control Additive  Irton Solvent  Irton Friction	Hexamethylenetetramine Phenol / formaldehyde resin Ammonium salt  1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	100-97-0 9003-35-4 Confidential Business Information 95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	2% 5% 50% 50% 1% 60% 30%	0.04172% 0.1043% 0.0107% 0.00084% 0.05025% 0.02512%
BC-140 X2 Hallibu  BC-140 X2 Hallibu  D-AIR 3000L Hallibu  MO-67 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Hallibu  Ingredients Listed Below This Line Are	irton Non-ionic Surfactant  Initiator  Irton Defoamer  Irton pH Control Additive  Irton Solvent  Irton Friction	Phenol / formaldehyde resin  Ammonium salt  1.2.4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes  Silica, amorphous	9003-35-4 Confidential Business Information 95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	5% 50% 1% 60% 30% 5%	0.1043% 0.0107% 0.00084% 0.05025% 0.02512%
BC-140 X2 Hallibu  BC-140 X2 Hallibu  D-AIR 3000L Hallibu  MO-67 Hallibu  ER-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Hallibu  Ingredients Listed Below This Line Are	irton Non-ionic Surfactant  Initiator  Irton Defoamer  Irton pH Control Additive  Irton Solvent  Irton Friction	1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes Silica, amorphous	Business Information 95-63-6 64-17-5 64742-94-5 91-20-3 127087-87-0	1% 60% 30%	0.00084% 0.05025% 0.02512%
BC-140 X2 Hallibu  D-AIR 3000L Hallibu  MO-67 Hallibu  FR-38 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Hallibu  Ingredients Listed Below This Line Are	Surfactant  Initiator  Inton Defoamer  Inton PH Control Additive  Inton Solvent  Inton Friction	Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes	64-17-5 64742-94-5 91-20-3 127087-87-0	60% 30% 5%	0.05025% 0.02512%
D-AIR 3000L Hallibu  MO-67 Hallibu  LCA-1 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Hallibu  Ingredients Listed Below This Line Are	pH Control Additive inton Solvent	Naphthalene Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes Silica, amorphous	127087-87-0 107-21-1		0.00419%
D-AIR 3000L Hallibu  MO-67 Hallibu  LCA-1 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Hallibu  Ingredients Listed Below This Line Are	pH Control Additive inton Solvent	alpha-(4-nonylphenyl)- omega-hydroxy-, branched Ethylene glycol Monoethanolamine borate Alkenes Silica, amorphous			0.00419%
D-AIR 3000L Hallibu  MO-67 Hallibu  LCA-1 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Hallibu  Ingredients Listed Below This Line Are	pH Control Additive inton Solvent	Ethylene glycol Monoethanolamine borate Alkenes Silica, amorphous			
MO-67 Hallibu  ER-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  Ingredients Listed Below This Line Are	pH Control Additive inton Solvent	Alkenes Silica, amorphous	20000 0. 0	30% 100%	
LCA-1 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  SP BREAKER Ingredients Listed Below This Line Are	Additive solvent solvent rton Friction		Confidential Business Information	100%	0.00234%
LCA-1 Hallibu  FR-38 Hallibu  WG-36 GELLING AGENT  OPTIFLO-HTE Hallibu  Ingredients Listed Below This Line Are	Additive solvent solvent rton Friction	precipitated Sedium bydrovide	67762-90-7	30%	
WG-36 GELLING AGENT OPTIFLO-HTE Hallibu SP BREAKER Hallibu Ingredients Listed Below This Line Are		Sodium hydroxide  Paraffinic solvent	1310-73-2 Confidential	30% 100%	0.00746% 0.00449%
GELLING AGENT OPTIFLO-HTE Hallibu SP BREAKER Hallibu Ingredients Listed Below This Line Are	Reducer	Acetic acid	Business Information 64-19-7	5%	0.0015%
GELLING AGENT OPTIFLO-HTE Hallibu SP BREAKER Hallibu Ingredients Listed Below This Line Are		Ammonium sulfate Inorganic Salt	Confidential Business Information	30%	0.00901%
OPTIFLO-HTE Hallibu SP BREAKER Hallibu Ingredients Listed Below This Line Are	Gelling Agent	Guar gum	9000-30-0	100%	0.27584%
Ingredients Listed Below This Line Are		Crystalline silica, quartz Walnut hulls	14808-60-7 Mixture	30% 100%	0.00342%
THE RESERVE THE PROPERTY OF THE PARTY OF THE	irton Breaker	Sodium persulfate 2,7- Naphthalenedisulfonic	7775-27-1 915-67-3	100% 0%	0.00236% 0%
Part of the		acid, 3-hydroxy-4-[(4- sulfor-1-naphthalenyl) azo] -, trisodium salt			
		Acrylamide copolymer Amine Salt	Proprietary Confidential Business	0% 0%	0% 0%
		Amine Salts	Information Confidential Business	0%	0%
		Amine Salts	Information Confidential	0%	0%
		Bentonite, benzyl	Business Information 121888-68-4	0%	0%
		(hydrogenated tallow alkyl) dimethylammonium			
		stearate complex C.I. Pigment Red 5 Crystalline Silica, Quartz	6410-41-9 14808-60-7	0% 0%	0%
		Cured Acrylic Resin	Confidential Business Information	0%	0%
		Cured Acrylic Resin	Confidential Business Information	0%	0%
		Defoamer Enzyme	Proprietary Confidential Business	0% 0%	0% 0%
		Glycerine Modified acrylamide	Information 56-81-5	0%	0%
		copolymer Modified acrylate	Proprietary Proprietary	0%	0%
		polymer Oxyalkylated Phenolic Resin	Confidential Business	0%	0%
		Oxyalkylated Phenolic Resin	Information Confidential Business	0%	0%
		Polypropylene glycol Quaternary Amine	Information 25322-69-4 Confidential	0%	0%
		Quaternary Amine	Business Information Confidential	0%	0%
		Quaternary Amine	Business Information Confidential	0%	0%
			Business Information	2000	539.593
		Silica gel Silica, amorphous - fumed	112926-00-8 7631-86-9	0%	0%
		Sodium acetate Sodium Chloride Sodium sulfate	127-09-3 7647-14-5 7757-82-6	0% 0% 0%	
		Surfactant Mixture	Confidential Business Information	0%	0%
		Surfactant Mixture	Confidential Business	0%	0%
18. I, as Operator, hereby cer	tify that the informa	Water tion shown on this disclosure for	Information 7732-18-5 m is true and comp	0% lete to the best of my ki	0% nowledge and belief.
Date: 1/15/20		Printed Name: Emma Z G	Salindo	Title: Engineerin	ng Assistant
NMOCD does not require the		ion beyond MSDS data as descr or confidential business informat		10.1200. NMOCD does	not require the