8. Operator Name and Address: CHEVRON U S A INC Attn: Sandy Stedman-Daniel 1400 Smith Houston 77002 11. Last Fracture Date: 2/8/2014 Frac Performed 13. Pool Code(s): 16800 15. True Vertical Depth (TVD): 12.512 ft 17. Total Volume of Re-Use Water Pumped: N/A 19. HYDRAULIC FLUID COMPOSITION / Trade Name Supplier Fresh Water Operator FFE ACID -<10% HCL Halliburton SAND - PREMIUM WHITE Halliburton CRC SAND Halliburton BC-140 X2 Halliburton BC-140 X2 Halliburton CIa-Web TM Halliburton SUPERSET W Halliburton FR-66 Halliburton MO-67 Halliburton MO-67 Halliburton MO-67 Halliburton LoSurf-360W Halliburton Halliburton WG-36 GELLING AGENT Halliburton OPTIFLO-HTE Halliburton SP BREAKER Halliburton OptiKleen-WF M Halliburton 3rd Party Corrosion Inhibitor Ingredients Listed Below This Line Are Part of the	AND CONCENTR Purpose Proppant Proppant Initiator Biocide Additive Activator Friction Reducer pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive *3rd Party Additive	Hydrochloric acid Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ethylene glycol Monoethanolamine borate Tributyl tetradecyl phosphonium chloride Ammonium salt Methanol Ethoxylated nonylphenol Hydrotreated light petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), .alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium perborate tetrahydrate *Supplied by Operator 1,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	16. Total Volu 2,1: 18. Percent of Not (CAS #) Chemical Abstract Service # 7647-01-0 14808-60-7 14808-60-7 100-97-0 9003-35-4 107-21-1 26038-87-9 81741-28-8 Confidential Business Information 67-56-1 Confidential Business Information 64742-47-8 1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	mred Interval: infidential me of Fluid Pumped: 30,581 gals Re-Use Water in Fluid Pumped: Disclosed Maximum Ingredient Concentration in Additive (% by	713-372-2978 Maximum Ingredient Concentration in HF Fluid (% by mass) 86.043279 0.130519 10.859849 1.306579 0.026130 0.007029 0.02349 0.004879 0.004879 0.008559 0.008559 0.004679 0.004489 0.028259 0.001389 0.004319 0.004319 0.004319 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004379 0.004389
16800 15. True Vertical Depth (TVD):	Purpose Proppant Proppant Proppant Initiator Biocide Additive Activator Friction Reducer pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	Hydrochloric acid Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ethylene glycol Monoethanolamine borate Tributyl tetradecyl phosphonium chloride Ammonium salt Methanol Ethoxylated nonylphenol Hydrotreated light petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), .alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium perborate tetrahydrate *Supplied by Operator 1,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	14. Gross Fract Coi 16. Total Volu 2,1: 18. Percent of Not (CAS #) Chemical Abstract Service # 7647-01-0 14808-60-7 14808-60-7 14908-60-7 14908-60-7 100-97-0 9003-35-4 107-21-1 26038-87-9 81741-28-8 Confidential Business Information 67-56-1 Confidential Business Information 64742-47-8 1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	### Indicated a control of the contr	Concentration in HF Fluid (% by mass) 86.043279 0.130519 10.859849 1.306579 0.026139 0.007029 0.02349 0.004879 0.004679 0.004679 0.004889 0.004899
N/A 19. HYDRAULIC FLUID COMPOSITION A Trade Name Supplier Fresh Water Fresh Water FE ACID - <10% HCL SAND - PREMIUM WHITE CRC SAND Halliburton BC-140 X2 Halliburton BE-9 Halliburton Cla-Web™ Halliburton FR-66 Halliburton FR-66 Halliburton MO-67 3rd Party Scale Inhibitor HAI-OS ACID INHIBITOR Halliburton WG-36 GELLING AGENT OPTIFLO-HTE Halliburton WG-36 GELLING AGENT OPTIFLO-HTE PBREAKER OptiKleen-WF™ Halliburton Operator Halliburton Operator Halliburton OPTIFLO-HTE OptiKleen-WF™ Halliburton Operator Halliburton Operator Operator Halliburton OPTIFLO-HTE OPTIFLO-HTE	Purpose Proppant Proppant Proppant Initiator Biocide Additive Activator Friction Reducer pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	Hydrochloric acid Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ethylene glycol Monoethanolamine borate Tributyl tetradecyl phosphonium chloride Ammonium salt Methanol Ethoxylated nonylphenol Hydrotreated light petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), .alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium perborate tetrahydrate *Supplied by Operator 1,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	(CAS #) Chemical Abstract Service # 7647-01-0 14808-60-7 14808-60-7 100-97-0 9003-35-4 107-21-1 26038-87-9 81741-28-8 Confidential Business Information 67-56-1 Confidential Business Information 64742-47-8 1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	Re-Use Water in Fluid Pumped: Disclosed Maximum Ingredient Concentration in Additive (% by mass) 100% 100% 100% 100% 100% 100% 100% 60% 6	Concentration in HF Fluid (% by mass) 86.043279 0.130519 10.859849 1.306579 0.026139 0.007029 0.02349 0.004879 0.004679 0.004679 0.004889 0.004899
FE ACID - <10% HCL Halliburton SAND - PREMIUM WHITE Halliburton BC-140 X2 Halliburton BE-9 Halliburton Cla-Web™ Halliburton SUPERSET W Halliburton FR-66 Halliburton MO-67 Halliburton MO-67 Halliburton MO-68 Halliburton HAI-OS ACID INHIBITOR Halliburton LoSurf-360W Halliburton WG-36 GELLING AGENT Halliburton OPTIFLO-HTE Halliburton SP BREAKER Halliburton Optikleen-WF™ Halliburton 3rd Party Corrosion Inhibitor Operator Inhibitor 3rd Party Additive Operator Ingredients Listed Below OPERAND Halliburton Operator Operator Ingredients Listed Below Operator	Proppant Initiator Biocide Additive Activator Friction Reducer pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	Crystalline silica, quartz Crystalline silica, quartz Hexamethylenetetramine Phenol / formaldehyde resin Ethylene glycol Monoethanolamine borate Tributyl tetradecyl phosphonium chloride Ammonium salt Methanol Ethoxylated nonylphenol Hydrotreated light petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium persulfate Sodium persulfate Sodium persulfate Sodium persulfate *Supplied by Operator *Supplied by Operator *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	7647-01-0 14808-60-7 14808-60-7 14908-60-7 100-97-0 9003-35-4 107-21-1 26038-87-9 81741-28-8 Confidential Business Information 67-56-1 Confidential Business Information 64742-47-8 1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	mass 100% 1	9y mass) 86.04327 0.130519 10.859849 1.306579 0.026139 0.007029 0.02349 0.004879 0.004879 0.004679 0.004489 0.004889 0.004319 0.004319 0.008559 0.004319 0.004319 0.004589
BC-140 X2 Halliburton BE-9 Halliburton Cla-Web™ Halliburton SUPERSET W Halliburton FR-66 Halliburton MO-67 Halliburton MO-67 Halliburton Alliburton HAI-OS ACID INHIBITOR Halliburton LoSurf-360W Halliburton WG-36 GELLING AGENT Halliburton OPTIFLO-HTE Halliburton SP BREAKER Halliburton OptiKleen-WF™ Halliburton 3rd Party Corrosion Inhibitor 3rd Party Additive Operator Ingredients Listed Below Ingredients Listed Below	Initiator Biocide Additive Activator Friction Reducer pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	Hexamethylenetetramine Phenol / formaldehyde resin Ethylene glycol Monoethanolamine borate Tributyl tetradecyl phosphonium chloride Ammonium salt Methanol Ethoxylated nonylphenol Hydrotreated light petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), .alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium persulfate Sodium perborate tetrahydrate *Supplied by Operator *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	100-97-0 9003-35-4 107-21-1 26038-87-9 81741-28-8 Confidential Business Information 67-56-1 Confidential Business Information 64742-47-8 1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	2% 5% 5% 30% 100% 10% 60% 60% 60% 30% 100% 10% 50% 10% 50% 10% 10% 10% 10% 10% 10% 10% 10% 10% 1	0.02613° 0.06533° 0.06533° 0.00702° 0.0234° 0.00487° 0.02654° 0.00855° 0.00467° 0.00448° 0.02825° 0.00138° 0.00431° 0.00862° 0.02586° 0.17112° 0.00137° 0.00458°
BE-9 Halliburton Cla-Web™ Halliburton SUPERSET W Halliburton FR-66 Halliburton MO-67 Halliburton 3rd Party Scale Inhibitor Operator HAI-OS ACID INHIBITOR Halliburton LoSurf-360W Halliburton WG-36 GELLING AGENT Halliburton OPTIFLO-HTE Halliburton SP BREAKER Halliburton OptiKleen-WF™ Halliburton 3rd Party Corrosion Inhibitor 3rd Party Additive Operator Ingredients Listed Below	Biocide Additive Activator Friction Reducer pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	Monoethanolamine borate Tributyl tetradecyl phosphonium chloride Ammonium salt Methanol Ethoxylated nonylphenol Hydrotreated light petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium persulfate Sodium perborate tetrahydrate *Supplied by Operator *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	26038-87-9 81741-28-8 Confidential Business Information 67-56-1 Confidential Business Information 64742-47-8 1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	100% 10% 10% 60% 60% 60% 30% 100% 60% 100% 50% 10% 50% 10% 30% 100% 100% 100% 100%	0.02349 0.004879 0.004879 0.008559 0.008559 0.004679 0.004489 0.028259 0.001389 0.000239 0.004319 0.008629 0.025869 0.171129 0.001379 0.004589
FR-66 Halliburton MO-67 Halliburton 3rd Party Scale Inhibitor Operator HAI-OS ACID INHIBITOR Halliburton LoSurf-360W Halliburton WG-36 GELLING AGENT Halliburton OPTIFLO-HTE Halliburton SP BREAKER Halliburton OptiKleen-WF™ Halliburton 3rd Party Corrosion Inhibitor 3rd Party Additive Operator Ingredients Listed Below	Friction Reducer pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	Ethoxylated nonylphenol Hydrotreated light petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium persulfate Sodium persulfate Sodium perborate tetrahydrate *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	67-56-1 Confidential Business Information 64742-47-8 1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	60% 30% 30% 100% 60% 10% 5% 10% 30% 10% 100% 100% 100%	0.00855 0.004679 0.004489 0.028259 0.001389 0.000239 0.004319 0.008629 0.025869 0.171129 0.001379 0.004589
MO-67 3rd Party Scale Inhibitor HAI-OS ACID INHIBITOR COSURF-360W WG-36 GELLING AGENT OPTIFLO-HTE SP BREAKER OptiKleen-WF™ Halliburton Ard Party Corrosion Inhibitor 3rd Party Additive Ingredients Listed Below Halliburton Operator Operator Operator Operator Operator	pH Control Additive *3rd Party Additive Corrosion Inhibitor Surfactant Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	petroleum distillate Sodium hydroxide *Supplied by Operator Methanol Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), .alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium persulfate Sodium perborate tetrahydrate *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt Acetic acid	1310-73-2 67-56-1 107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	30% 100% 60% 10% 5% 10% 30% 100% 100% 100%	0.004489 0.028259 0.001389 0.000239 0.004319 0.008629 0.025869 0.171129 0.001379 0.004589
LoSurf-360W Halliburton WG-36 GELLING AGENT Halliburton OPTIFLO-HTE Halliburton SP BREAKER Halliburton OptiKleen-WF™ Halliburton 3rd Party Corrosion Inhibitor 3rd Party Additive Operator Ingredients Listed Below	Gelling Agent Breaker Breaker Concentrate *3rd Party Additive	Propargyl alcohol Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium persulfate Sodium persulfate Sodium perborate tetrahydrate *Supplied by Operator *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor- 1-naphthalenyl) azo] -, trisodium salt Acetic acid	107-19-7 Confidential Business Information 56-81-5 61827-42-7 9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	10% 5% 10% 30% 100% 30% 100% 100%	0.000235 0.004315 0.008625 0.025865 0.171125 0.001375 0.004585
OPTIFLO-HTE Halliburton SP BREAKER Halliburton OptiKleen-WF™ Halliburton 3rd Party Corrosion Operator Inhibitor 3rd Party Additive Operator Ingredients Listed Below	Breaker Breaker Concentrate *3rd Party Additive	.alphaisodecylomega hydroxy- Guar gum Crystalline silica, quartz Walnut hulls Sodium persulfate Sodium perborate tetrahydrate *Supplied by Operator *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor- 1-naphthalenyl) azo] -, trisodium salt Acetic acid	9000-30-0 14808-60-7 Mixture 7775-27-1 10486-00-7	100% 30% 100% 100% 100%	0.17112 ⁶ 0.00137 ⁶ 0.00458 ⁶
SP BREAKER Halliburton OptiKleen-WF™ Halliburton 3rd Party Corrosion Operator Inhibitor 3rd Party Additive Operator Ingredients Listed Below	Breaker Concentrate *3rd Party Additive	Walnut hulls Sodium persulfate Sodium perborate tetrahydrate *Supplied by Operator *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor- 1-naphthalenyl) azo] -, trisodium salt Acetic acid	Mixture 7775-27-1 10486-00-7	100% 100% 100%	0.004589
Inhibitor		*Supplied by Operator *Supplied by Operator 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor- 1-naphthalenyl) azo] -, trisodium salt Acetic acid	915-67-3	100%	0.00107° 0.0016°
This Line Are Part of the		1-naphthalenyl) azo] -, trisodium salt Acetic acid		100% 0%	0.00485 ⁰ 0.02424 ⁰
		t process and bright de	64-19-7	0%	0,0
		Acetic anhydride Alcohols, C12-16, ethoxylated Alcohols, C14-C15, ethoxylated	108-24-7 68551-12-2 68951-67-7	0% 0% 0%	00
		Alkane Amine salts	Confidential Business Information Confidential Business Information	0%	04
		Amine salts Ammonium chloride Bentonite, benzyl (hydrogenated tallow alkyl)	Confidential Business Information 12125-02-9 121888-68-4	0% 0% 0%	04
		dimethylammonium stearate complex C.I. Pigment Red 5 Citric acid	6410-41-9 77-92-9	0% 0%	04
		Crystalline Silica, Quartz Cured acrylic resin Cured acrylic resin	14808-60-7 Confidential Business Information Confidential Business Information	0% 0% 0%	09
		Enzyme Ethylenediaminetetraacetic acid, tetrasodium salt	Confidential Business Information	0%	09
		Fatty acid tall oil amide Fatty acids, tall oil	Confidential Business Information Confidential Business Information	0% 0%	04
		Hydrogen peroxide Nitrotriacetic acid, trisodium salt monohydrate Olefins	7722-84-1 5064-31-3 Confidential Business	0% 0%	09
		Olefins Olefins	Information Confidential Business Information Confidential Business	0%	09
		Olefins Polyacrylamide copolymer	Information Confidential Business Information Confidential Business Information	0% 0%	09
		Quaternary amine Quaternary amine	Confidential Business Information Confidential Business Information	0% 0%	09
		Quaternary amine Reaction product of acetophenone, formaldehyde, thiourea	Confidential Business Information 68527-49-1	0%	09
		and oleic acid in dimethyl formamide Silica gel Sodium bicarbonate	112926-00-8 144-55-8	0% 0%	09
		Sodium chloride Sodium glycollate Sodium hydroxide Sodium sulfate Sorbitan monooleate	7647-14-5 2836-32-0 1310-73-2 7757-82-6 9005-65-6	0% 0% 0% 0% 0%	09 09 09
20. I, as Operator, hereby certify that the information si		polyoxyethylene derivative Sorbitan, mono-9- octadecenoate, (Z) Surfactant mixture	1338-43-8 Confidential Business	0%	09
		Surfactant mixture Water	Information Confidential Business Information 7732-18-5	0%	09
information.					