HYDRAULIC F DISCLOSURE	PACTI IPING	San	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.					
✓ Original 5. Bottom Hole Location: Unit: K Lot: Section:22 ☐ Amendment Feet from:2316 Feet from:1923 6. latitude: 32.6247597								nship:19S Range:34E Line:S Line:W hip:19S Range:34E ne:S ine:W tude: -103.5499878
Operator Name and Address:					9. OGRID:	7. County: Lea 228937	10. Phone Number:	972-371-5218
One Lincoln Centr 5400 LBJ Freeway		(
Dallas 75240 11. Last Fracture Date: 11/2 13. Pool Code(s):	21/2016 Frac Performe	d by: Halliburton			12. Production		l .	
50461 15. True Vertical Depth (TVD): 10,797 ft					16. Total Volu	1,305 ft to 18,058 ime of Fluid Pumped 1,902,884 gals		
17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID		AND CONCENTRA	ATION:		18. Percent of	f Re-Use Water in Fl ot Disclosed	uid Pumped:	
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemic Service #	al Abstract	Maximum Ingred Concentration in mass)	Additive (% by Co	eximum Ingredient oncentration in HF Fluid (% by ass)
Fresh Water CL-28M CROSSLINKER CLAYFIX 3	Operator Halliburton Halliburton	Base Fluid Crosslinker Additive	Water Listed Below Listed Below	7732-18-5 Listed Below Listed Below			100% 0% 0%	82.02128% 0% 0%
DCA-23003 FDP-S1226-15 FE-1A ACIDIZING	Halliburton Halliburton Halliburton	Friction Reducer Surfactant Additive	Listed Below Listed Below Listed Below	Listed Below Listed Below Listed Below			0% 0% 0%	0% 0% 0%
COMPOSITION FE-2A HAI-OS ACID INHIBITOR	Halliburton Halliburton	Additive Corrosion Inhibitor	Listed Below	Listed Below Listed Below			0% 0%	0%
HYDROCHLORIC ACID K-34	Halliburton Halliburton Halliburton	Solvent Buffer	Listed Below Listed Below	Listed Below Listed Below			0% 0% 0%	0% 0%
LCA-1 MC B-8614 MO-67	Halliburton Halliburton	Solvent Biocide pH Control Additiv		Listed Below Listed Below Listed Below			0% 0%	0% 0% 0%
OPTIFLO-III DELAYED RELEASE BREAKER SAND-COMMON WHITE-	Halliburton Halliburton	Breaker Proppant	Listed Below Listed Below	Listed Below Listed Below			0%	0%
100 MESH, SSA-2, BULK (100003676 SAND-PREMIUM WHITE-	Halliburton	Proppant	Listed Below	Listed Below			0%	0%
20/40, BULK WG-36 GELLING AGENT MSDS and Non-MSDS	Halliburton	Gelling Agent	Listed Below	Listed Below			0% 0%	0% 0%
Ingredients are listed below the Ingredients	Listed Above	Listed Above	Acetic acid	64-19-7		-	60%	0.00087%
			Acetic anhydride Acrylamide Acrylamide, sodium	108-24-7 79-06-1 25987-30-8			100% 0.01% 30%	0.00145% 0% 0.00896%
			acrylate polymer Alcohols, C12-13, ethoxylated	66455-14-9			30%	0.01175%
			Alcohols, C12-16, ethoxylated	68551-12-2			5%	0.00196%
			Ammonium persulfate Borate salts	7727-54-0 Proprietary		i.	100%	0.00242% 0.03436%
			Calcium chloride Citric acid Crystalline silica,	10043-52-4 77-92-9 14808-60-7			1% 60% 100%	0.00093% 0.00091% 17.40716%
			quartz Cured acrylic resin Ethanol	Proprietary 64-17-5			30% 1%	0.00073% 0.00026%
			Ethoxylated alcohols Ethoxylated branched C13				30% 5%	7E-05% 0.00149%
			alcohol Ethylene oxide Fatty acids, tall oil	75-21-8 Proprietary			0.01% 30%	0% 7E-05%
			Glutaraldehyde Guar gum	111-30-8 9000-30-0			30% 100%	0.00776% 0.13539%
			Hdrotreated light petrolem distillates Hydrochloric acid	Proprietary 7647-01-0			100% 60%	0.00512% 0.09533%
			Hydrotreated light petroleum distillate Inorganic mineral	64742-47-8 Proprietary			30% 5%	0.00896% 0.00286%
			Inorganic salt Magnesium chloride hexahydrate	Proprietary 7791-18-6			5% 5%	0.00466% 0.00466%
			Methanol Olefins Phosphoric acid	67-56-1 Proprietary 7664-38-2			60% 5% 0.1%	0.00018% 3E-05% 3E-05%
			Polymer Propargyl alcohol Quaternary	Proprietary 107-19-7 68424-85-1			1% 10% 5%	0.00057% 2E-05% 0.00129%
			ammonium compounds, benzyl- C12-16-alkyldimethyl				370	0.0012370
			chlorides Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl	68527-49-1			30%	7E-05%
			formamide Sobitan, mono-9- octadecenoate, (Z)	1338-43-8			5%	0.00149%
			Sodium bicarbonate Sodium chloride Sodium diacetate	144-55-8 7647-14-5 126-96-5			100% 30% 5%	0.00025% 0.02822% 0.00149%
			Sodium hydroxide Sorbitan monooleate polyoxyethylene	1310-73-2			30% 5%	0.00734% 0.00149%
20 1 - 0			derivative Water	7732-18-5			100%	0.39042%
20. I, as Operator, hereby certify Signature: Signed E Date: 3/23/201	lectronically	wn on this disclosure form is Printed Name: A	500 0075 556 5077 52500	of my knowledge a	nd belief.	Title: Engine	eering Tech	