State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 HYDRAULIC FRACTURING FLUID DISCLOSURE							Revised November 6, 2013			
FARMINGTON 87499 11. Last Fracture Date: 9/24/2016 Frac Performed by: Halliburton							Type:			
13. Pool Code(s): 14							ctured Interval:			
71629 15. True Vertical Depth (TVD): 1							8 ft to 570 ft me of Fluid Pumped:			
795 ft 17. Total Volume of Re-Use Water Pumped:							27,919 gals ent of Re-Use Water in Fluid Pumped:			
10 gals 19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:										
19. HYDRAULIC FLUID (Supplier	Purpo		ION: Ingredients	(CAS#) Chemic	al Abstract	Maximum Ingredient		Maximum Ingredient	
Trade Haine			506	ingredients	Service #		Concentration in Additive		Concentration in HF Fluid (% by mass)	
Fresh Water	Dugan Produ Corp.	iction Base	Fluid	Water	7732-18-5			100%	58.4797%	
BC-140	Halliburton		slinker	Listed Below	Listed Below			0%	0%	
Cla-Web (TM) II GBW-30 Breaker	Halliburton Halliburton	Break	Stabilizer (er	Listed Below Listed Below	Listed Below Listed Below			0% 0%	0% 0%	
HC-2	Halliburton	Addit		Listed Below	Listed Below			0%	0%	
LOSURF-300D Nitrogen Liquefied	Halliburton Halliburton	Fluid	onic Surfactant	Listed Below Listed Below	Listed Below Listed Below			0% 0%	0% 0%	
OPTIFLO-HTE	Halliburton	Break		Listed Below	Listed Below			0%	0%	
Sand-Premium White 20/40, Bulk	Halliburton	Propp	pant	Listed Below	Listed Below			0%	0%	
WG-35 Gelling Agent Corr Sorb 3600	Halliburton Baker Hughe		ne Agent Inhibitor	Listed Below Listed Below	Listed Below Listed Below			0% 0%	0% 0%	
Scale Sorb 3	Baker Hughe	es Scale	Inhibitor	Listed Below	Listed Below		P.	0%	0%	
Ingredients	Listed Above	Listed	d Above	1,2,4 Trimethylbenzene	95-63-6			1%	0.00026%	
				Acid phosphate ester				10%	0.01006%	
				Amine Amine salts	Proprietary Proprietary			0.1%	3E-05% 0.00035%	
				Amino alkyl	Trade Secret		IY.	30%	0.03017%	
				phosphonic acid Ammonium	Proprietary			30%	0.00952%	
				compound C.I. Pigment Red 5	6410-41-9			1%	8E-05%	
				Chlorine compound	Proprietary			30%	0.00952%	
				Crystalline Silica Crystalline silica,	14808-60-7 14808-60-7			1% 100%	0.00101% 32.74692%	
				quartz						
				Crystalline silica: Quartz (SiO2)	14808-60-7			1%	0.00101%	
				Cured acrylic resin Diatomaceous earth,	Proprietary 91053-39-3			30% 100%	0.00242% 0.10058%	
				calcined						
				Enzyme Ethanol	Proprietary 64-17-5			5% 60%	0.00039% 0.01588%	
				Ethylene glycol	107-21-1		V	30%	0.03998%	
				Glycerine Guar gum	56-81-5 9000-30-0			5% 100%	0.0121% 0.13377%	
				Heavy aromatic	64742-94-5			30%	0.00794%	
				petroleum naphtha Hemicellulase	9012-54-8			30%	0.01056%	
				enzyme Inner sale of alkyl	Proprietary			30%	0.07261%	
				amines	14 332					
				Lactose Monoethanolamine	63-42-3 26038-87-9			100% 60%	0.0352% 0.07996%	
				borate Naphthalene	91-20-3			5%	0.00132%	
				Nitrogen	7727-37-9			100%	7.9643%	
				Oxylated phenolic resin	Proprietary			30%	0.01059%	
				Poly	127087-87-0			5%	0.00132%	
				(oxy-1,2-ethanediyl), alpha(4-nonylphenyl) -omega-hydroxy, branched						
				Quaternary amine Quaternary	Proprietary Trade Secret			1% 30%	0.00063% 0.03017%	
				ammonium chloride						
				Sodium chlroide Walnut hulls	7647-14-5 CAS Not Assign	aned		30% 100%	0.07292% 0.0078%	
				Water	7732-18-5			100%	0.25689%	
20. I, as Operator, hereby certify the Signature: Signed Ele	at the information ectronically		sclosure form is true d Name: Tyra M f	200200-000	t my knowledge ar	nd belief.	ENGINEERING	3		
Date: 9/29/2016										
E-mail Address: tyrafeil@duganproduction.com										