

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised November 6, 2013				
		1. WELL API NO. 30-045-35685				
		2. Well Name: HELSINKI COM #090				
		3. Well Number: 090				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:9 Township:23N Range:10W Feet from:1100 N/S Line:S Feet from:1400 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:9 Township:23N Range:10W Feet from:1100 N/S Line:S Feet from:1400 E/W Line:W				
		6. latitude: longitude: 36.23701 -107.90595				
		7. County: San Juan				
8. Operator Name and Address: DUGAN PRODUCTION CORP P O Box 420 Farmington 87401		9. OGRID: 6515	10. Phone Number: 505-325-1821			
11. Last Fracture Date: 9/14/2017 Frac Performed by: Halliburton		12. Production Type: G				
13. Pool Code(s): 71629		14. Gross Fractured Interval: 828 ft to 850 ft				
15. True Vertical Depth (TVD): 1,085 ft		16. Total Volume of Fluid Pumped: 27,334 gals				
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %				
19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Fresh Water	Operator	Base Fluid	Water	7732-18-5	100%	83.92329%
BC-140	Halliburton	Crosslinker	Listed Below	Listed Below	0%	0%
Cla-Web (TM)	Halliburton	Additive	Listed Below	Listed Below	0%	0%
GBW-30 Breaker	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
LOSURF-300D	Halliburton	Non-ionic Surfactant	Listed Below	Listed Below	0%	0%
Nitrogen Liquefied	Halliburton	Fluid	Listed Below	Listed Below	0%	0%
OPTIFLO-HTE	Halliburton	Breaker	Listed Below	Listed Below	0%	0%
Sand-Premium White-20/40, Bulk	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
WG-35	Halliburton	Gelling Agent	Listed Below	Listed Below	0%	0%
Ingredients	Listed Above	Listed Above	1,2,4 Trimethylbenzene	95-63-6	1%	0.00036%
			Amine salts	Proprietary	0.1%	8E-05%
			C.I. Pigment Red 5	6410-41-9	1%	9E-05%
			Crystalline silica, quartz	14808-60-7	100%	4.17012%
			Cured acrylic resin	Proprietary	30%	0.00285%
			Enzyme	Proprietary	5%	0.00046%
			Ethanol	64-17-5	60%	0.02159%
			Ethylene glycol	107-21-1	30%	0.05191%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.0108%
			Hemicellulase enzyme	9012-54-8	30%	0.00442%
			Hydroxyalkylammonium chloride	Proprietary	60%	0.02428%
			Lactose	63-42-3	100%	0.01473%
			Monoethanolamine borate	26038-87-9	60%	0.10382%
			Naphthalene	91-20-3	5%	0.0018%
			NFIDB:WG-35	CAS Not Assigned	100%	0.24481%
			Nitrogen	7727-37-9	100%	11.39113%
			Oxylated phenolic resin	Proprietary	30%	0.0144%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.0018%
			Quaternary amine	Proprietary	5%	0.00247%
			Sodium chloride	7647-14-5	5%	0.00202%
Walnut hulls	CAS Not Assigned	100%	0.0092%			
Water	7732-18-5	60%	0.1281%			
20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.						
Signature: Signed Electronically		Printed Name: Tyra M Feil		ENGINEERING Title: ASSISTANT		
Date: 11/14/2017						
E-mail Address: tyrafeil@duganproduction.com						

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.