

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 February 15, 2012				
		1. WELL API NO: 30-025-40898				
		2. Well Name: THISTLE UNIT #043H				
		3. Well Number: 043H				
HYDRAULIC FRACTURING FLUID DISCLOSURE		4. Surface Hole Location: Unit:M Lot:M Section:33 Township:23S Range:33E Feet from:200 N/S Line:S Feet from:500 E/W Line:W				
☒ Original		5. Bottom Hole Location: Unit:M Lot:M Section:33 Township:23S Range:33E Feet from:200 N/S Line:S Feet from:500 E/W Line:W				
☐ Amendment		6. Latitude: 32.2545217528526 Longitude: -103.584144548942				
		7. County: Lea				
8. Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City 73102		9. OGRID: 6137	10. Phone Number: 405-228-8588			
11. Last Fracture Date: 4/15/2013 Frac Performed by: HES		12. Production Type: O				
13. Pool Code(s): 59900		14. Gross Fractured Interval: 11,322 ft to 15,654 ft				
15. True Vertical Depth (TVD): 10,650 ft		16. Total Volume of Fluid Pumped: 62,916 bbls				
17. 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				100%	83.99612%
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.47593%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.42834%
Premium White - 30/50	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	8.04688%
CRC-20/40	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	2.41863%
			Hexamethylenetetramine	100-97-0	2%	0.04837%
			Phenol / formaldehyde resin	9003-35-4	5%	0.12093%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.0035%
RockOn™ MX 5-2556	Multi-Chem	Surfactant	Ethoxylated Alcohol	Proprietary	13%	0.0095%
			Propoxylated Alcohol	Proprietary	13%	0.0095%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02966%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.01078%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00771%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.02297%
CL-31	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00078%
CROSSLINKER			Potassium metaborate	13709-94-9	60%	0.00931%
BA-20	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00304%
BUFFERING AGENT			Ammonium acetate	631-61-8	100%	0.01015%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.02762%
			Silica, amorphous precipitated	67762-90-7	30%	0.00829%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00065%
			Ethanol	64-17-5	60%	0.0393%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.01965%
			Naphthalene	91-20-3	5%	0.00327%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00327%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00317%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.0058%
OPTIFLO-III	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00381%
DELAYED RELEASE BREAKER			Crystalline silica, quartz	14808-60-7	30%	0.00114%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.13462%
Ingredients Listed Below This Line Are Part of the			Acrylate Polymer	Proprietary	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Amine Salts	75-57-0	0%	0%
			Amine Salts	593-81-7	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Borate salts	92908-33-3	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Mixture	0%	0%
			Oxyalkylated Phenolic Resin	29316-47-0	0%	0%
			Oxyalkylated Phenolic Resin	63428-92-2	0%	0%
			Polyacrylamide Copolymer	62649-23-4	0%	0%
			Polypropylene glycol	25322-69-4	0%	0%
			Quaternary Amine	34004-36-9	0%	0%
			Quaternary Amine	3327-22-8	0%	0%
			Quaternary Amine	75-50-3	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant Mixture	67254-71-1	0%	0%
			Surfactant Mixture	56449-46-8	0%	0%
			Tall oil acid	68155-20-4	0%	0%
			diethanolamide			
		Water	7732-18-5	0%	0%	
18. 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: Derek Berg Title: Engineering Technician						
Date: 6/3/2013						
E-mail Address: derek.berg@dnv.com						
NMOCDD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCDD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.						