

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: 30-025-41118				
		2. Well Name: THISTLE UNIT #046H				
		3. Well Number: 046H				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:N Lot:N Section:33 Township:23S Range:33E Feet from:350 N/S Line:S Feet from:2080 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:33 Township:23S Range:33E Feet from:350 N/S Line:S Feet from:2080 E/W Line:W				
		6. latitude: longitude: 32.3419546085098 - 103.579180280905				
		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: 8/27/2013 Frac Performed by: Trican		12. Production Type: O				
13. Pool Code(s): 59900		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 10,939 ft		16. Total Volume of Fluid Pumped: 2,706,268 gals				
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)
Water	Customer	Carrier	Water	7732-18-5	100%	85.94525%
White 30/50	Trican	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100%	7.77442%
100 Mesh, Bulk (over 20K lbs)*	Trican	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100%	3.43364%
AcFrac SB Excel, 20/40 mesh	Trican	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100%	2.31762%
WG-111L (Slurried Guar Gellant)	Trican	Gelling Agent	Phenolic resin	Proprietary	1%	0.02318%
			Mineral oil/ light hydrotreated pet. distillate	64742-47-8	60%	0.14822%
			polysaccharide blend	9000-30-0	60%	0.14822%
CC-8 (Clay Control)	Trican	Clay Control	choline chloride	67-48-1	71%	0.08433%
GXB-1 (Borate Crosslinker)	Trican	Crosslinker	Borate salt	1319-33-1	40%	0.02616%
			Potassium formate	590-29-4	30%	0.01962%
			Hydrated alluminium -magnesium silicate	12174-11-7	5%	0.00327%
			Crystalline silica: Quartz (SiO2)	14808-60-7	0.1%	7E-05%
FR-12 (Anionic Acrylamide)	Trican	Friction Reducer	Mineral oil/ light hydrotreated pet. distillate	64742-47-8	60%	0.036%
			Anionic polyacrylamide copolymer	25987-30-8	40%	0.024%
			Ammonium Chloride	12125-02-9	2%	0.0012%
			Potassium hydroxide	1310-58-3	10%	0.00161%
WXB-14 (Rapid Borate Crosslinker)	Trican	Crosslinker	Sodium hydroxide	1310-73-2	25%	0.00222%
pH-14L (pH Control)	Trican	pH Buffer	Sodium Persulfate	7775-27-1	100%	0.00609%
WBO-2 (Breaker)	Trican	Breaker	Methanol	67-56-1	31%	0.00068%
			alcohol ethoxylate surfactants	Proprietary	30%	0.00066%
			modified thiourea polymer	68527-49-1	30%	0.00066%
			n-olefins	Proprietary	10%	0.00022%
			Prop-2-yn-1-ol	107-19-7	8%	0.00018%
GBO-1 (Breaker)	Trican	Breaker	Sodium perBorate tetrahydrate	10486-00-7	98%	0.00187%
			Acetic acid	64-19-7	45%	0.00068%
FEAC-20 (Iron Control)	Trican	Iron Control	Citric acid	77-92-9	30%	0.00045%
S-15 (Surfactant)	Trican	Surfactant	Alcohol alkoxylate	Proprietary	20%	0.00024%
			Methanol	67-56-1	20%	0.00024%
Greenflush (Solvent)	Trican		Mineral oil/ light hydrotreated pet. distillate	64742-47-8	99%	0%
			propylene carbonate	108-32-7	0%	0%
			Potassium borate	12045-78-2	0%	0%
			Sorbitan monooleate	1338-43-8	0%	0%
			Sorbitan trioleate	26266-58-0	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Modified bentonite	68953-58-2	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Water	7732-18-5	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Phenolic resin	Proprietary	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: 10/10/2013						
E-mail Address: derek.berg@dm.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.