

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 APT NO: 30-015-41837				
		2. Well Name: BOSS HOGG 15 STATE COM #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:15 Township:23S Range:26E Feet from:100 N/S Line:N Feet from:1650 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:15 Township:23S Range:26E Feet from:100 N/S Line:N Feet from:1650 E/W Line:E				
		6. latitude: 32.3115588929987 longitude: -104.277646999298				
		7. County: Eddy				
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: 12/5/2014 Frac Performed by: Schlumberger		12. Production Type: O				
13. Pool Code(s): 99056		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 6,729 ft		16. Total Volume of Fluid Pumped: 5,284,418 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
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)
15% HCl, YF125, Slickwater	Schlumberger	All MSDS and Non-MSDS Ingredients	Water (Including Mix Water Supplied by Client)*	NA	100%	86.34804%
			Crystalline silica	14808-60-7	96.58265%	13.18542%
			Hydrochloric acid	7647-01-0	0.87112%	0.11892%
			Guar gum	9000-30-0	0.79629%	0.10871%
			Phenolic resin	9003-35-4	0.56591%	0.07726%
			Ethylene Glycol	107-21-1	0.26155%	0.03571%
			Propan-2-ol	67-63-0	0.14048%	0.01918%
			Diammonium peroxodisulphate	7727-54-0	0.11311%	0.01544%
			Formic acid	64-18-6	0.07731%	0.01055%
			Alcohol, C7-9-iso, C8, ethoxylated	78330-19-5	0.06774%	0.00925%
			Sodium hydroxide	1310-73-2	0.04136%	0.00565%
			Polyethylene glycol monohexyl ether	31726-34-8	0.03957%	0.0054%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.03909%	0.00534%
			Gum, xanthan	11138-66-2	0.03736%	0.0051%
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.03627%	0.00495%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.02978%	0.00407%
			Sodium tetraborate	1330-43-4	0.02391%	0.00326%
			Ammonium chloride	12125-02-9	0.01862%	0.00254%
			1, 2, 3 - Propanetriol	56-81-5	0.01729%	0.00236%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01255%	0.00171%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2	0.00869%	0.00119%
			Crosslinked PO/EO-block polymer	68123-18-2	0.00694%	0.00095%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00575%	0.00079%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00536%	0.00073%
			Ethoxylated oleic acid	9004-96-0	0.00372%	0.00051%
			Sorbitan monooleate	1338-43-8	0.00372%	0.00051%
			Methyl oxirane polymer with oxirane	9003-11-6	0.00343%	0.00047%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00323%	0.00044%
			Sodium Glycolate (impurity)	2836-32-0	0.00294%	0.0004%
			Sodium erythorbate	6381-77-7	0.00237%	0.00032%
			Cinnamaldehyde	104-55-2	0.00211%	0.00029%
			Non-crystalline silica (impurity)	7631-86-9	0.002%	0.00027%
			Alkyl (c10-c14) alcohols, ethoxylated	66455-15-0	0.00174%	0.00024%
			Alcohol, C11-14, ethoxylated	78330-21-9	0.00173%	0.00024%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00165%	0.00023%
			Sorbitol Tetraoleate	61723-83-9	0.00112%	0.00015%
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00098%	0.00013%
			Trisodium ethylenediaminetetraacetate (impurity)	150-38-9	0.00098%	0.00013%
			Sodium sulfocyanate	540-72-7	0.00097%	0.00013%
			2-Propenoic acid, ammonium salt	10604-69-0	0.00091%	0.00012%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00074%	0.0001%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00062%	8E-05%
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00056%	8E-05%
			C14 alpha olefin ethoxylate	84133-50-6	0.00056%	8E-05%
			Trisodium nitriotriacetate (impurity)	5064-31-3	0.00049%	7E-05%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00038%	5E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.00026%	4E-05%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	0.00019%	3E-05%
			2-propenamid	79-06-1	0.00017%	2E-05%
			poly(tetrafluoroethylene)	9002-84-0	0.00016%	2E-05%
Ethanol	64-17-5	0.0001%	1E-05%			
Potassium oleate	143-18-0	2E-05%	0%			
Oleic acid	112-80-1	2E-05%	0%			
Acetic acid, potassium salt	127-08-2	0%	0%			
Acetic acid	64-19-7	0%	0%			
Propylene oxide	75-56-9	0%	0%			
Oxirane	75-21-8	0%	0%			
1,4-Dioxane	123-91-1	0%	0%			
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: Sara Cook	Title: Regulatory Associate				
Date: 12/12/2014						
E-mail Address: sara.cook@dm.com						

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