

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: 30-015-42321	
		2. Well Name: COTTONTAIL 16 STATE COM #001H	
		3. Well Number: 001H	

HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment	4. Surface Hole Location: Unit:O Lot:O Section:16 Township:25S Range:29E Feet from:150 N/S Line:S Feet from:1950 E/W Line:E
	5. Bottom Hole Location: Unit:O Lot:O Section:16 Township:25S Range:29E Feet from:150 N/S Line:S Feet from:1950 E/W Line:E
	6. latitude: longitude: 32.1231461 -103.987175
	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
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11. Last Fracture Date: 3/26/2015 Frac Performed by: Schlumberger	12. Production Type: O
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13. Pool Code(s): 96217	14. Gross Fractured Interval: Confidential
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15. True Vertical Depth (TVD): 8,706 ft	16. Total Volume of Fluid Pumped: 45,787,426 galls
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17. Total Volume of Re-Use Water Pumped: N/A	18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed
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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)	
7.5% HCl, YF120, Slickwater	Schlumberger	Acid Corrosion Inhibitor , Friction Reducer, Demulsifier, Surfactant , Acid Breaker, Gel	Water (Including Mix Water Supplied by Client)*	NA		84.86042%	
			Impurities	Unknown		0.00014%	2E-05%
			1, 2, 3 - Propanetriol	56-81-5		0.01679%	0.00254%
			Ethanol	64-17-5		0.0001%	2E-05%
			Acetic acid	64-19-7		0%	0%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1		0.22198%	0.03361%
			Propan-2-ol	67-63-0		0.12386%	0.01875%
			Oxirane	75-21-8		0%	0%
			Propylene oxide	75-56-9		0%	0%
			2-Propenamid (impurity)	79-06-1		0.00038%	6E-05%
			Cinnamaldehyde	104-55-2		0.00085%	0.0001%
			Ethylene Glycol	107-21-1		0.12338%	0.01868%
			Fumaric acid	110-17-8		0.0056%	0.00085%
			Oleic acid	112-80-1		2E-05%	0%
			1,4-Dioxane	123-91-1		0%	0%
			Acetic acid, potassium salt	127-08-2		7E-05%	1E-05%
			Potassium oleate	143-18-0		2E-05%	0%
			Sodium sulfocyanate	540-72-7		0.00221%	0.00033%
			Sodium hydroxide	1310-73-2		0.02413%	0.00365%
			Boronatrocacite	1319-33-1		0.21311%	0.03226%
			Sodium tetraborate	1330-43-4		0.01795%	0.00272%
			Sorbitan monooleate	1338-43-8		0.0085%	0.00129%
			Non-crystalline silica (impurity)	7631-86-9		0.00145%	0.00022%
			Hydrochloric acid	7647-01-0		0.47218%	0.07149%
			Monosodium fumarate	7704-73-6		0.0086%	0.00085%
			Diammonium peroxidisulphate	7727-54-0		0.0688%	0.01011%
			Guar gum	9000-30-0		0.57673%	0.08731%
			poly(tetrafluoroethylene)	9002-84-0		0.00012%	2E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0		8E-05%	1E-05%
			Methyl oxirane polymer with oxirane	9003-11-6		0.00333%	0.0005%
			Phenolic resin	9003-35-4		0.22201%	0.03361%
			Ethoxylated oleic acid	9004-96-0		0.0085%	0.00129%
			Boric acid	10043-35-3		0.00561%	0.00085%
			2-Propenoic acid, ammonium salt	10604-69-0		0.00208%	0.00032%
			Ammonium chloride	12125-02-9		0.04249%	0.00643%
			Magnesium silicate hydrate (talc)	14807-96-6		0.00027%	4E-05%
			Quartz, Crystalline silica	14808-60-7		97.53734%	14.76674%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6		0.00898%	0.00136%
			Acrylamide/ammonium acrylate copolymer	26100-47-0		0.06799%	0.01029%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8		0.001%	0.00015%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2		6E-05%	1E-05%
			Polyethylene glycol monohexyl ether	31726-34-8		0.04051%	0.00613%
			Polyethylenimin, polymer with ethylene oxide and propylene oxide	52501-07-2		0.00844%	0.00128%
			Sorbitol Tetraoleate	61723-83-9		0.00255%	0.00039%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3		0.00169%	0.00026%
			Amines, tallow alkyl, ethoxylated	61791-26-2		0.00019%	3E-05%
			Distillates, petroleum, hydrotreated light	64742-47-8		0.09923%	0.01351%
			Alkyl (C10-C14) alcohols, ethoxylated	66455-15-0		0.00169%	0.00026%
			Alcohols, C10-C16, ethoxylated	68002-97-1		0.0017%	0.00026%
			Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, 2-methyloxirane and oxirane	68123-18-2		0.00674%	0.00102%
Fatty acid, tall-oil reaction products with acetophenone	68188-40-9		0.00179%	0.00027%			
Alcohols, C12-C14, ethoxylated	68439-50-9		0.00127%	0.00019%			
Alcohols, C12-C16, ethoxylated	68551-12-2		0.00276%	0.00042%			
Alcohol, C7-9-iso, C8, ethoxylated	78330-19-5		0.06706%	0.01015%			
Alcohol, C11-14, ethoxylated	78330-21-9		0.00239%	0.00036%			
C14 alpha olefin ethoxylate	84133-50-6		0.00127%	0.00019%			
Ethoxylated C6 alcohols	104789-82-7		0.00371%	0.00056%			
Dulian gum	125005-87-0		0.00028%	4E-05%			

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: Rebecca Deal	Title: Regulatory Professional
Date: 3/18/2016		
E-mail Address: rebecca.deal@dvn.com		

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