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. 30-025-42193
2. Well Name: MONK 21 STATE #004H
3. Well Number: 004H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:B Lot:B Section:21 Township:21S Range:34E Feet from:200 N/S Line:N Feet from:1980 E/W Line:E
5. Bottom Hole Location: Unit:B Lot:B Section:21 Township:21S Range:34E Feet from:200 N/S Line:N Feet from:1980 E/W Line:E
6. latitude: 32.4711015 longitude: -103.472744
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: 5/8/2015 Frac Performed by: Schlumberger
12. Production Type: O
13. Pool Code(s): 96660
14. Gross Fractured Interval: Confidential
15. True Vertical Depth (TVD): 10,780 ft
16. Total Volume of Fluid Pumped: 45,358,200 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)
Slickwater, HCL 15%, YF100FlexD	Schlumberger	Acid Corrosion Inhibitor, Surfactant, Acid, Breaker, Gelling Agent, Crosslinker, Friction Reducer, I	Water (Including Mix Water Supplied by Client)*	NA	0%	84.32724%
			2-hydroxy-N,N,N-trimethylethanaminium chloride	67-48-1	0.827%	0.12961%
			Propan-2-ol	67-63-0	0.00667%	0.00105%
			2-Propenamid (impurity)	79-06-1	0.00023%	4E-05%
			Cinnamaldehyde	104-55-2	0.00086%	0.00013%
			Ethylene Glycol	107-21-1	0.17939%	0.02812%
			Fumaric acid	110-17-8	0.00815%	0.00128%
			Glutaraldehyde	111-30-8	0.09706%	0.01521%
			Sodium sulfocyanate	540-72-7	0.0013%	0.0002%
			Sodium hydroxide	1310-73-2	0.04291%	0.00672%
			Boronatrocalcite	1319-33-1	0.30985%	0.04856%
			Sodium tetraborate	1330-43-4	0.02609%	0.00409%
			Sorbitan monooleate	1338-43-8	0.00501%	0.00078%
			Decyl-dimethyl amine oxide	2605-79-0	0.00184%	0.00029%
			Sodium erythorbate	6381-77-7	0.00352%	0.00055%
			Non-crystalline silica (impurity)	7631-86-9	0.00167%	0.00026%
			Hydrochloric acid	7647-01-0	0.62487%	0.09793%
			Monosodium fumarate	7704-73-6	0.00815%	0.00128%
			Diammonium peroxidisulphate	7727-54-0	0.10137%	0.01589%
			Guar gum	9000-30-0	0.66585%	0.10436%
			poly(tetrafluoroethylene)	9002-84-0	0.00016%	3E-05%
			Dodecyl poly(oxyethylene) ether	9002-92-0	0.00011%	2E-05%
			Ethoxylated oleic acid	9004-96-0	0.00501%	0.00078%
			Boric acid	10043-35-3	0.00815%	0.00128%
			2-Propenoic acid, ammonium salt	10604-69-0	0.00123%	0.00019%
			Ammonium chloride	12125-02-9	0.02503%	0.00392%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00038%	6E-05%
			Quartz, Crystalline silica	14808-60-7	96.92804%	15.1913%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.01258%	0.00197%
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.04005%	0.00628%
			Isodecanol w/6-7 Moles Ethylene Oxide	26183-52-8	0.00131%	0.00021%
			2-Ethylhexanol ethoxylate	26468-86-0	0.05675%	0.00889%
			Glycols, polyethylene, monotetradecyl ether	27306-79-2	8E-05%	1E-05%
			Sorbitol Tetraoleate	61723-83-9	0.0015%	0.00024%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00223%	0.00035%
			Amines, tallow alkyl, ethoxylated	61791-26-2	0.00025%	4E-05%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.05256%	0.00824%
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.001%	0.00016%
			Fatty acid, tall-oil reaction products with acetophenone	68188-40-9	0.00234%	0.00037%
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00075%	0.00012%
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.0027%	0.00042%
			C14 alpha olefin ethoxylate	84133-50-6	0.00075%	0.00012%
			Diutan gum	125005-87-0	0.00041%	6E-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: 3/2/2016

E-mail Address: rebecca.deal@dvn.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.