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. 30-025-42630
2. Well Name: BLACK MAMBA 15 STATE COM #008H
3. Well Number: 008H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:P Lot:P Section:10 Township:23S Range:33E Feet from:460 N/S Line:S Feet from:760 E/W Line:E
5. Bottom Hole Location: Unit:P Lot:P Section:10 Township:23S Range:33E Feet from:460 N/S Line:S Feet from:760 E/W Line:E
6. latitude: 32.3132619253767 longitude: -103.554140375498
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: 12/12/2015 Frac Performed by: FTSI
12. Production Type: O
13. Pool Code(s): 7320
14. Gross Fractured Interval: Confidential
15. True Vertical Depth (TVD): 10,852 ft
16. Total Volume of Fluid Pumped: 57,672,494 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)
Water	Operator	Carrier	Water	7732-18-5	100%	87.9136227%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	30%	0.0001877%
			Dimethylformamide	68-12-2	10%	6.26E-05%
			Organic amine resin salt	Proprietary	30%	0.0001877%
			Quaternary ammonium compound	Proprietary	10%	6.26E-05%
			Aromatic aldehyde	Proprietary	10%	6.26E-05%
			Ethylene Glycol	107-21-1	30%	0.0001877%
			Water	7732-18-5	5%	3.13E-05%
			Fatty Acid	Proprietary	0.1%	6E-07%
			Fatty Acid Salt	Proprietary	0.1%	6E-07%
			Aliphatic alcohol	Proprietary	0.1%	6E-07%
			Alkylene Oxide Block Polymer	Proprietary	10%	6.26E-05%
			Diethylene glycol	111-46-6	1%	6.3E-06%
CS POLYBREAK 210	FTSI	Polymer breaker	Sodium chlorite	7758-19-2	5%	0.0019584%
			Water	7732-18-5	95%	0.0372095%
			Sodium Hydroxide	1310-73-2	0%	3E-07%
FE-200L	FTSI	Iron Control	Tetrasodium EDTA	64-02-8	41%	0.0003461%
			Sodium Hydroxide	1310-73-2	2%	1.69E-05%
			Trisodium Nitrilotriacetic acid	5064-31-3	2%	1.69E-05%
			Ethylenediaminetriaceticacid, trisodium salt	19019-43-3	0.8%	6.8E-06%
			Water	7732-18-5	60%	0.0005065%
			Sodium formate	141-53-7	0.6%	5.1E-06%
			Sodium glycolate	2836-32-0	1.5%	1.27E-05%
			Iminodiacetate disodium salt	17593-73-6	0.2%	1.7E-06%
FRW-1000	FTSI	Friction Reducer - Cationic	PETROLEUM HYDROTREATED LIGHT DISTILLATE	64742-47-8	25%	0.0102449%
			Water	7732-18-5	50%	0.0204898%
			Alcohol Ethoxylate Surfactants	Trade Secret	5%	0.002049%
			Cationic Polyacrylamide co polymer	Trade Secret	32%	0.0131135%
			Sodium Chloride	7647-14-5	15%	0.006147%
LTB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	100%	2.43E-05%
			Cured acrylic resin	Proprietary	100%	2.43E-05%
			Silica, Crystalline- Quartz	14808-60-7	10%	2.4E-06%
			Proprietary	Proprietary	0%	0%
NE-100	FTSI	Non-emulsifier	2-Butoxyethanol	111-76-2	10%	0.0085661%
			2-Propanol	67-63-0	10%	0.0085661%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0042831%
			Water	7732-18-5	90%	0.0770953%
			Sulfuric Acid	7664-93-9	0.01%	1.2E-05%
			Sulfur Dioxide	7446-09-5	0%	1.2E-06%
			Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04%	3.6E-05%
			Unsulphonated Matter	Proprietary	0.03%	2.4E-05%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0	37%	0.1246839%
			Water	7732-18-5	63%	0.2122996%
ICI-3240	FTSI	Biocide	Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione.	533-74-4	24%	0.006042%
			Sodium Hydroxide	1310-73-2	23%	0.0057902%
			Water	7732-18-5	55%	0.0138462%
40/70 White	FTSI	proppant	Silica, Quartz	14808-60-7	100%	5.9640389%
30/50 White	FTSI	proppant	Silica, Quartz	14808-60-7	100%	5.5781184%

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: Heather Nanney Title: Regulatory

Date: 1/13/2016

E-mail Address: heather.nanney@dvn.com

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