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.: 30-015-42693
2. Well Name: BO DUKE FEDERAL 5 #003H
3. Well Number: 003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit O: Lot: - Section: 5 Township: 23S Range: 26E
Feet from: 175 N/S Line: S
Feet from: 1980 E/W Line: E

5. Bottom Hole Location:
Unit O: Lot: O Section: 5 Township: 23S Range: 26E
Feet from: 175 N/S Line: S
Feet from: 1980 E/W Line: E

6. Latitude: 32.326799152306Z Longitude: -104.313522171065

7. County: Eddy

8. Operator Name and Address:
DEVON ENERGY PRODUCTION COMPANY, LP
333 W. Sheridan Avenue
Oklahoma City, OK 73102

9. API Number: 30-015-42693
10. Phone Number: 405-228-8588

11. Last Fracture Date: 11/18/2015 Frac Performed by: FTSI

12. Production Type: O

13. Pool Code(s): 96836

14. Gross Fracture Interval: 6,637 ft to 11,053 ft

15. True Vertical Depth (TVD): 6,466 ft

16. Total Volume of Fluid Pumped: 127,101 gals

17. Total Volume of Re-Use Water Pumped: 0 gals

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%	12.4873454%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0	37%	1.9436857%
Water	Operator	Carrier	Water	7732-18-5	100%	0.0525132%
20/40 White	FTSI	proppant	Silica, Quartz	14808-60-7	100%	86.9610006%
20/40 Super LC	FTSI	proppant	Crystalline Silica (quartz)	14808-60-7	97%	22.5595303%
			Phenol-Formaldehyde Novolak Resin	9003-35-4	5%	1.1643839%
B-10	FTSI	High pH buffer	Nitrilotrilomethylphosphine	100-07-0	1%	0.2326767%
			Potassium carbonate	584-08-7	40%	0.09307%
			Potassium hydroxide	1310-58-3	15%	0.0349013%
			Water	7732-18-5	55%	0.0639224%
BAL-2	FTSI	Borate crosslinker	Sodium metaborate	10555-76-7	25%	0.0427591%
			Boric acid	10043-35-3	15%	0.0256554%
			Potassium hydroxide	1310-58-3	12%	0.0205243%
			Water	7732-18-5	75%	0.1283779%
BXL-3	FTSI	Crosslinker	Crystalline Silica (Quartz)	14808-60-7	0.1%	0.0001892%
			Borate salt	1319-33-1	40%	0.0756967%
			Amine Salt Mixture	9967-77-0	5%	0.0094621%
			Hydrated aluminum-magnesium silicate (palygorskite)	12174-11-7	5%	0.0094585%
			Sodium Sulfate	7757-82-6	0.1%	0.0001892%
			Sodium Chloride	7647-14-5	0.1%	0.0001892%
			Water	7732-18-5	60%	0.1135176%
GPB-1	FTSI	Gel breaker	Ammonium Persulfate	7727-54-0	100%	0.0018915%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	30%	0.0041563%
			Dimethylformamide	68-12-2	50%	0.0069272%
			Organic amine resin salt	Proprietary	30%	0.0041563%
			Quaternary ammonium compound	Proprietary	10%	0.0013854%
			Aromatic aldehyde	Proprietary	10%	0.0013854%
			Ethylene Glycol	107-21-1	30%	0.0041563%
			Water	7732-18-5	30%	0.0041563%
			Fatty Acid	Proprietary	0.1%	1.39E-05%
			Fatty Acid Salt	Proprietary	0.1%	1.39E-05%
			Alphatic alcohol	Proprietary	0.1%	1.39E-05%
			Alkylene Oxide Block Polymer	Proprietary	10%	0.0013854%
			Methylene glycol	1112-07-8	1%	0.0001385%
CS POLYBREAK 210W	FTSI	Polymer breaker	Sodium chloride	7647-14-5	15%	0.0115126%
			Potassium chloride	7447-40-7	15%	0.0115126%
			Water	7732-18-5	60%	0.0605375%
			Sodium Hydroxide	1310-73-2	5%	5E-07%
FE-200L	FTSI	Iron Control	Tetrasodium EDTA	64-02-8	41%	0.0050008%
			Sodium Hydroxide	1310-73-2	2%	0.0002443%
			Trisodium Nitrilotriacetic acid	5064-31-3	2%	0.0002443%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0.5%	9.77E-05%
			Water	7732-18-5	60%	0.0073329%
			Sodium formate	141-53-7	0.5%	7.13E-05%
			Sodium glycolate	2836-32-0	1.5%	0.0001932%
			Iminodiacetate disodium salt	17593-73-6	0.2%	2.44E-05%
HVG-1	FTSI	Water Gelling Agent	Guar Gum	9000-30-0	55%	0.7174242%
			Petroleum Distillate	64742-47-8	55%	0.7174242%
			Raffinates (Petroleum), Sorption Process	64741-85-1	50%	0.6522039%
			Water	14808-60-7	2%	0.0260818%
			Clay	1302-78-9	5%	0.0652045%
			Surfactant	24939-91-8	1%	0.0130441%
			Surfactant	154518-36-2	1%	0.0130441%
			Surfactant	9043-30-5	1%	0.0130441%
			Surfactant	Proprietary	2%	0.0260818%
KCLS-4	FTSI	Clay Control	Water	7732-18-5	30%	0.0385491%
			Potassium Chloride	7447-40-7	15%	0.0192745%
NE-100W	FTSI	Non-emulsifier	Methanol	67-56-1	15%	0.0563595%
			2-Butoxyethanol	111-76-2	10%	0.0375729%
			2-Propanol	67-63-0	10%	0.0375729%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0254429%
			Water	7732-18-5	60%	0.2255379%
			Sulfuric Acid	7664-93-9	0.01%	7.12E-05%
			Sodium Chloride	7647-14-5	5%	3.7E-06%
			Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04%	0.0002126%
			Deionized Water	Proprietary	0.05%	0.0001424%
Superset W	FTSI	Resin Coated Proppant Activator	Methanol	67-56-1	50%	0.1246477%
			Polyoxyethylenenonylphenol ether	9016-45-9	50%	0.1246477%
FRW-200	FTSI	Friction reducer	Petroleum distillate hydrotreated light	64742-47-8	25%	0.0229659%
			Acrylamide PRV acrylic acid, ammonium salt	26100-47-0	25%	0.0229659%
			Water	7732-18-5	45%	0.0414004%
			Nonionic Monoiosatate	1338-43-8	3%	0.3026%
			Alcohols (C12-C16), ethoxylated	68439-50-9	4%	0.0035334%
			Alcohols (C10-C16), ethoxylated	68002-97-1	4%	0.0035334%
			Acrylamide	79-06-1	0.1%	8.93E-05%
			Deleuned heavy paraffinic	64742-65-0	1.5%	0.0013275%
			Sodium Chloride	7647-14-5	5%	0.0044252%
			Ammonium Chloride	12125-02-9	3%	0.0026551%
			Polyethylene glycol monooleate	9004-96-0	3%	0.3026%
			Alcohols,oxyethylenated,sec-ethanol	84133-50-6	1%	0.0008933%
			Sorbitol Tetraoleate	61723-83-9	2%	0.0017867%
			Copolymer of acrylamide and sodium acrylate	25987-30-8	33%	0.0291033%
			Water	Proprietary	7%	0.0061834%
			Hydrotreated heavy paraffinic	64742-54-7	5%	0.0044187%
			Isopropanol	67-63-0	0.3%	0.0002655%

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: 4/22/2015

E-mail Address: sara.cook@dvn.com

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