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. 30-015-42551

2. Well Name: APACHE 24 FEDERAL #012H

3. Well Number: 012H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:24 Township:22S Range:30E
Feet from:920 N/S Line:S
Feet from:330 E/W Line:E

5. Bottom Hole Location:
Unit:P Lot:P Section:24 Township:22S Range:30E
Feet from:920 N/S Line:S
Feet from:330 E/W Line:E

6. latitude: 32.3728333 longitude: -103.8266602

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: 5/24/2015 Frac Performed by: Haliburton

12. Production Type: O

13. Pool Code(s): 40295

14. Gross Fractured Interval: Confidential

15. True Vertical Depth (TVD): 10,965 ft

16. Total Volume of Fluid Pumped: 7,368,574 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)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	84.38988%
HCl > 10%	Halliburton	Base Fluid	NA	NA	0%	0%
BE-9, CL-22 UC, CL-31 CROSSLINKER, Cla-Web (TM), FR	Halliburton	Additive, Biocide, Breaker, Buffer, Concentrate, Crosslinker, Friction Reducer, Gelling Agent, pH Co	NA	NA	0%	0%
			Acrylate polymer	Confidential	1%	0.00029%
			Alcohols ethoxylated	Confidential	5%	0.00184%
			Alkane	Confidential	1%	0.00085%
			Amide	Confidential	5%	0.00184%
			Amine salts	Confidential	0.1%	0.0001%
			Ammonium chloride	12125-02-9	5%	0.00184%
			Ammonium persulfate	7727-54-0	100%	0.00336%
			Ammonium salt	Confidential	60%	0.03001%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00371%
			Borate salts	Confidential	60%	0.01757%
			Complex alkylamine	Confidential	5%	0.00425%
			Crystalline silica, quartz	14808-60-7	30%	0.00104%
			Crystalline Silica, Quartz	14808-60-7	0.1%	7E-05%
			Cured acrylic resin	Confidential	30%	0.00101%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	1E-05%
			Glycerine	56-81-5	10%	0.0085%
			Guar gum	9000-30-0	100%	0.0741%
			Hydrogen peroxide	7722-84-1	0.01%	1E-05%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.01105%
			NFIDB:HCl > 10%	NFIDB:HCl > 10%	100%	0.63778%
			NFIDB:NA	NFIDB:NA	100%	14.62347%
			Nitrotriacetic acid, trisodium salt monohydrate	5064-31-3	0.01%	1E-05%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02551%
			Polyacrylamide copolymer	Confidential	30%	0.01105%
			Potassium formate	590-29-4	60%	0.01757%
			Potassium hydroxide	1310-58-3	5%	0.00069%
			Potassium metaborate	13709-94-9	60%	0.00831%
			Quaternary amine	Confidential	5%	0.00305%
			Silica gel	112926-00-8	1%	0.00074%
			Sodium bicarbonate	144-55-8	100%	0.00028%
			Sodium carboxymethyl cellulose	9004-32-4	1%	0.00029%
			Sodium chloride	7647-14-5	5%	0.00475%
			Sodium glycollate	2836-32-0	1%	0.0003%
			Sodium hydroxide	1310-73-2	30%	0.00352%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00385%
			Sodium persulfate	7775-27-1	100%	0.00073%
			Sodium sulfate	7757-82-6	0.1%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1%	0.00037%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00037%
			Surfactant mixture	Confidential	1%	0.00148%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00398%
			Water	7732-18-5	100%	0.20576%

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: 3/15/2016

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.