

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:
30-025-42672

2. Well Name:
ARENA ROJA FEDERAL UNIT #016H

3. Well Number:
016H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:27 Township:26S Range:35E
Feet from:200 N/S Line:N
Feet from:60 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:27 Township:26S Range:35E
Feet from:200 N/S Line:N
Feet from:60 E/W Line:W

6. latitude:
32.0209383 longitude:
-103.3636699

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:
12/2/2015 Frac Performed by: FTSI

12. Production Type:
O

13. Pool Code(s):
97597

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
9,030 ft

16. Total Volume of Fluid Pumped:
49,039,988 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%	88.3821521%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0	37%	0.0783346%
			Water	7732-18-5	63%	0.1333805%
CI-150	FTSI	Acid Corrosion Inhibitor	Isopropanol	67-63-0	30%	0.0001104%
			Dimethylformamide	68-12-2	10%	3.68E-05%
			Organic amine resin salt	Proprietary	30%	0.0001104%
			Quaternary ammonium compound	Proprietary	10%	3.68E-05%
			Aromatic aldehyde	Proprietary	30%	0.0001104%
			Ethylene Glycol	107-21-1	30%	0.0001104%
			Water	7732-18-5	5%	1.84E-05%
			Fatty Acid	Proprietary	0.1%	4E-07%
			Fatty Acid Salt	Proprietary	0.1%	4E-07%
			Aliphatic alcohol	Proprietary	0.1%	4E-07%
			Alkylene Oxide Block Polymer	Proprietary	10%	3.68E-05%
			Polyalkylene glycol	Proprietary	10%	3.68E-05%
			Diethylene glycol	111-46-6	1%	3.7E-06%
NE-100	FTSI	Non-emulsifier	2-Butoxyethanol	111-76-2	10%	0.0063904%
			2-Propanol	67-63-0	10%	0.0063904%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0031952%
			Water	7732-18-5	90%	0.0575135%
FE-200L	FTSI	Iron Control	Tetrasodium EDTA	64-02-8	41%	0.000199%
			Sodium Hydroxide	1310-73-2	2%	9.7E-06%
			Trisodium Nitriotriacetic acid	5064-31-3	2%	9.7E-06%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0.8%	3.9E-06%
			Water	7732-18-5	65%	0.0003155%
			Sodium formate	141-53-7	0.6%	2.9E-06%
			Sodium glycolate	2836-32-0	1.5%	7.3E-06%
FRW-1000	FTSI	Friction Reducer - Cationic	Iminodiacetate disodium salt	17593-73-6	0.2%	1E-06%
			PETROLEUM HYDROTREATED LIGHT DISTILLATE	64742-47-8	25%	0.002918%
			Water	7732-18-5	50%	0.0058361%
			Alcohol Ethoxylate Surfactants	Trade Secret	5%	0.0005836%
			Cationic Polyacrylamide co polymer	Trade Secret	32%	0.0037351%
			Sodium Chloride	7647-14-5	15%	0.0017508%
CS POLYBREAK 210	FTSI	Polymer breaker	Sodium chlorite	7758-19-2	12%	0.0013285%
			Water	7732-18-5	95%	0.0105175%
			Sodium Hydroxide	1310-73-2	0%	1E-07%
			Chlorine Dioxide	10049-04-4	0%	1E-07%
HVG-1 4.0	FTSI	Water gelling agent	Guar gum	9000-30-0	50%	0.0052392%
			Raffinates, Sorption Process	64741-85-1	55%	0.0057631%
			Quartz	14808-60-7	4%	0.0004191%
			Isotridecanol, ethoxylated	9043-30-5	2%	0.0002096%
LTB-1	FTSI	Breaker	Ammonium Persulfate	7727-54-0	84%	0.0004436%
			Cured acrylic resin	25085-19-2	22%	0.0001162%
			Talc	14807-96-6	0.6%	3.2E-06%
ICI-3240	FTSI	Biocide	Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione.	533-74-4	24%	0.0043494%
			Sodium Hydroxide	1310-73-2	23%	0.0041681%
40/70 White	FTSI	proppant	Water	7732-18-5	55%	0.0099673%
20/40 White	FTSI	proppant	Silica, Quartz	14808-60-7	100%	0.2474307%
			Silica, Quartz	14808-60-7	100%	10.9732899%

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: 1/14/2016

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

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