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.
30-015-40462

2. Well Name:
NFE FEDERAL #026H

3. Well Number:
026H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:E Lot:E Section:8 Township:17S Range:31E
Feet from:2128 N/S Line:N
Feet from:220 E/W Line:W

5. Bottom Hole Location:
Unit:E Lot:E Section:8 Township:17S Range:31E
Feet from:2128 N/S Line:N
Feet from:220 E/W Line:W

6. latitude: 32.8504118552752 longitude: -103.899911764642

7. County: Eddy

8. Operator Name and Address:
APACHE CORP
303 Veterans Airpark Lane
Suite 3000
Midland 79705

9. OGRID: 873   10. Phone Number: 432-818-1062

11. Last Fracture Date: 4/20/2015 Frac Performed by: Elite

12. Production Type: O

13. Pool Code(s): 96831

14. Gross Fractured Interval: 5,754 ft to 9,860 ft

15. True Vertical Depth (TVD): 9,744 ft

16. Total Volume of Fluid Pumped: 2,672,250 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	Customer	Carrier/Base Fluid	Water	7732-18-5	100%	86.52131%
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	7.21179%
RCS (Proppant)	Momentive	Proppant	Silica Substrate	14808-60-7	100%	2.42206%
Hydrochloric Acid (15%)	CNR	Acidizing	Hydrochloric Acid	7647-01-0	38.8%	1.34997%
Claymax	Chemplex	Clay Stabilizer	Choline Chloride	67-48-1	62%	0.00525%
4-N-1 Plus	Chemplex	Iron Control,Corr Inhib,Surfactant	Acetic Acid	64-19-7	80%	0.02103%
			Methanol	67-56-1	10%	0.00263%
Plexcide 24L	Chemplex	Biocide	Tetrahydro-3,Dimethyl-2H	533-74-4	24%	0.00548%
Plexset 730	Chemplex	Activator	Secondary Alcohol Ethoxylate	84133-50-6	50%	0.03795%
Plexsurf 240 E	Chemplex	Surfactant	Methyl Alcohol	67-56-1	10%	0.00855%
			Alcohol Alkoxylate	Proprietary	50%	0.04276%
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate Surfactants	Proprietary	8%	0.00777%
			Hydrotreated Petroleum Distillate	64742-47-8	30%	0.02915%
			Polyacrylamide-co-Acrytic Acid	9003-06-9	31%	0.03013%
AMA 398	Chemplex	Biocide	Tetrahydro-3,Dimethyl-2H	533-74-4	98%	0%
Plexgel 907 LE	Chemplex	Polymer	Guar Gum	9000-30-0	50%	0%
			Mineral Oil	64742-47-8	55%	0%
			Bentonite Clay	14808-60-7	2%	0%
			Surfactant	68439-51-0	2%	0%
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0%
			Potssium Metaborate	13709-94-9	30%	0%
			Potassium Hydroxide	1310-58-3	5%	0%
Plexgel Breaker 10L	Chemplex	Gel Breaker	Mannanase Enzymes	Proprietary	2%	0%
			Sodium Chloride	7647-14-5	15%	0%
Sodium Persulfate	Chemplex	Gel Breaker	Sodium Persulfate	7775-27-1	98%	0%
Buffer 11	Chemplex	PH Control	Potassium Hydroxide	1310-58-3	23%	0%
Greenhib 679	Chemplex	Scale Inhibitor	Glycerine	56-81-5	35%	0.01727%
			Proprietary	Proprietary	35%	0.01727%
			Water	7732-18-5	30%	0.0148%
Scalesorb 3	Baker Hughes	Scale Inhibitor	Diatomaceous earth, calcined	91053-39-3	69%	0%
			Amino alkyl phosphonic acid	Proprietary	30%	0%
			Phosphonic acid	13598-36-2	1%	0%
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	0%
Plexgel Breaker XPA	Chemplex, LC	Gel Breaker	Hydrogen Peroxide	7722-84-1	7%	0%

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: Fatima Vasquez   Title: Regulatory Analyst

Date: 6/5/2015

E-mail Address: fatima.vasquez@apachecorp.com

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