

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:
30-015-42402

2. Well Name:
LEE FEDERAL #080

3. Well Number:
080

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:L Lot:L Section:20 Township:17S Range:31E
Feet from:1550 N/S Line:S
Feet from:1080 E/W Line:W

5. Bottom Hole Location:
Unit:L Lot:L Section:20 Township:17S Range:31E
Feet from:1550 N/S Line:S
Feet from:1080 E/W Line:W

6. latitude:
32.8170580043372 longitude:
-103.896966143714

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: 10/26/2014 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
96831

14. Gross Fractured Interval:
4,690 ft to 6,320 ft

15. True Vertical Depth (TVD):
6,320 ft

16. Total Volume of Fluid Pumped:
503,412 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%	84.5004%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Listed with Chemicals in Ingredients	N/A	0%	1.6697%
Activator, 330 gal tote	Baker Hughes	Activator	Listed with Chemicals in Ingredients	N/A	0%	0.0458%
Alpha 125	Baker Hughes	Biocide	Listed with Chemicals in Ingredients	N/A	0%	0.0217%
GBW-5	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/A	0%	0.0132%
GBW-15L	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/A	0%	0.0384%
ClayCare	Baker Hughes	Clay Control	Listed with Chemicals in Ingredients	N/A	0%	0.0476%
CI-14	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0028%
XLW-10A	Baker Hughes	Crosslinker	Listed with Chemicals in Ingredients	N/A	0%	0.1228%
GW-4LDF	Baker Hughes	Gelling Agent	Listed with Chemicals in Ingredients	N/A	0%	0.3872%
Ferrotrol 280L	Baker Hughes	Iron Control	Listed with Chemicals in Ingredients	N/A	0%	0.0106%
NE-35, 330 gi tote	Baker Hughes	Non-emulsifier	Listed with Chemicals in Ingredients	N/A	0%	0.0907%
Sand, Brown, 16/30	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	10.1485%
SiberProp, 16/30	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	2.3991%
INFLO 72	Baker Hughes	Surface Tension Reducer	Listed with Chemicals in Ingredients	N/A	0%	0.0821%
Chemical Ingredients	Baker Hughes	Treatment System	2-Mercaptoethanol Alcohols, C12-14-Secondary, Ethoxylated Ammonium Hydroxide Ammonium Persulphate Benzenesulfonic acid, hexadecyl (sulfophenoxy)-, disodium salt Choline Chloride Crystalline Silica (Quartz) Cupric Chloride Enzyme solution Ethylene Glycol Fatty Acids Formaldehyde Glutaraldehyde Guar Gum Hydrochloric Acid Hydrotreated Light Distillate Isopropanol Methanol Mineral Oil Modified Thiourea Polymer Nonionic Alkoxylate Nonionic glycol ester Olefin Orange Terpene Organic Polyol Paraffinic Petroleum Distillate Polyethers Polyethylene glycol Polyoxyalkylenes Propargyl Alcohol Propylene Glycol Quartz (SiO2) Sodium Hydroxide Sodium Tetraborate Sodium lauriminodipropionate Sodium octylimodipropionate Surfactant Water	60-24-2 84133-50-6 1336-21-6 7727-54-0 65143-89-7 67-48-1 14808-60-7 7447-39-4 9012-54-8 107-21-1 61790-12-3 50-00-0 111-30-8 9000-30-0 7647-01-0 64742-47-8 67-63-0 67-56-1 8042-47-5 68527-49-1 70559-25-0 68400-71-5 64743-02-8 68647-72-3 112-27-6 64742-55-8 68815-65-6 25322-68-3 68951-67-7 107-19-7 57-55-6 14808-60-7 1310-73-2 1330-43-4 14960-06-6 94441-92-6 68131-39-5 7732-18-5	100% 70% 5% 100% 2% 75% 100% 5% 100% 30% 10% 30% 1% 30% 60% 15% 30% 30% 100% 30% 5% 30% 5% 15% 100% 10% 20% 1% 3% 1.5% 85% 0%	0.010534% 0.031886% 0.000527% 0.013086% 0.001804% 0.035508% 10.098341% 0.000527% 0.038196% 0.036654% 0.000277% 2.8E-05% 0.006467% 0.231194% 0.24925% 0.115597% 0.024505% 0.025603% 0.269727% 0.000194% 0.008168% 0.022555% 0.000139% 0.004084% 0.012252% 0.115597% 0.024505% 0.002278% 0.000832% 0.000139% 0.013533% 2.387236% 0.012218% 0.024436% 0.000902% 0.002707% 0.002859% 1.675233% 0%

Ingredients shown above are subject to 29 CFR 1910

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: 3/9/2015

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

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