

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW / 09/09/2013
⁴ API Number 30-015-41036	⁵ Pool Name Cedar Lake; Glorieta-Yeso	⁶ Pool Code 96831
⁷ Property Code 308710	⁸ Property Name Coffee Federal	⁹ Well Number 017

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	18	17S	31E	1	1115	North	660	West	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	18	17S	31E	1	968	North	344	West	Eddy

¹² Lse. Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	09/09/2013			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/V
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
15694	Navajo Refining Co P/L Division PO.Box 159 Artesia NM 88211	O

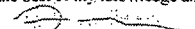
IV. Well Completion Data

²¹ Spud Date 07/17/2013	²² Ready Date 09/09/2013	²³ TD 6446'	²⁴ PBDT 6425'	²⁵ Perforations. 4538'-6334'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"		13-3/8"	387'		780 sx Class C
11"		8-5/8"	3502'		1050 sx Class C
7-7/8"		5-1/2"	6446'		980 sx Class C
Tubing		2-7/8"	6389'		

V. Well Test Data

³¹ Date/New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
09/09/2013	09/09/2013	10/09/2013	24		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
	86	177	127		P

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

OIL CONSERVATION DIVISION

Approved by:

Printed name:
Fatima Vasquez

Title:

Title:
Regulatory Tech II

Approval Date:

E-mail Address:
Fatima.Vasquez@apachecorp.com

Date:
10/23/2013

Phone:
(432) 818-1015

Hydraulic Fracturing Fluid Product Component Information Disclosure

Last Fracture Date:	08/22/2013
State:	New Mexico
County:	Eddy
API Number:	30-015-41036
Operator Name:	Apache Corp
Well Name and Number:	Coffee Federal 17
Longitude:	-103.91397
Latitude:	32.83917
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	6,334
Total Water Volume (gal):	533,442

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier	Water	7732-18-5	100.00%	84.58569%	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15.00%	0.28378%	SmartCare Product
Activator, 330 gal tote	Baker Hughes	Activator	Water	7732-18-5	85.00%	1.60807%	
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70.00%	0.03369%	
			Methanol	67-56-1	50.00%	0.02406%	
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100.00%	0.00105%	SmartCare Product
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100.00%	0.03256%	SmartCare Product
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75.00%	0.03555%	SmartCare Product
			Water	7732-18-5	30.00%	0.01422%	
CI-14	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	10.00%	0.00025%	SmartCare Product
			Methanol	67-56-1	100.00%	0.00248%	
			Olefin	Trade Secret	5.00%	0.00012%	
			Polyoxyalkylenes	Trade Secret	30.00%	0.00074%	
			Propargyl Alcohol	107-19-7	5.00%	0.00012%	
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30.00%	0.03217%	
			Sodium Hydroxide	1310-73-2	10.00%	0.01072%	
			Sodium Tetraborate Decahydrate	1303-96-4	30.00%	0.03217%	
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60.00%	0.30849%	SmartCare Product
			Petroleum Distillate Blend (1)	64742-47-8	70.00%	0.35990%	

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
			Petroleum Distillate Blend (3)	8042-47-5	70.00%	0.35990%	
			Petroleum Distillate Blend (2)	64742-55-8	70.00%	0.35990%	
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100.00%	0.00471%	
			Ammonium Hydroxide	1336-21-6	5.00%	0.00024%	
			Cupric Chloride	7447-39-4	5.00%	0.00024%	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50.00%	0.04449%	
			Propylene Glycol	57-55-6	30.00%	0.02669%	
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	9.33376%	
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO ₂)	14808-60-7	100.00%	2.38900%	
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30.00%	0.02535%	
			Mixture of Surfactants	Trade Secret	50.00%	0.04226%	
			Water	7732-18-5	30.00%	0.02535%	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are non-MSDS.							
			Formaldehyde	50-00-0		0.0000248181%	
			Hydrochloric Acid	7647-01-0		0.0000248181%	
			Modified Thiorea Polymer	68527-49-1		0.0001737268%	
			Water	7732-18-5		0.0220367359%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.