Submit within 45 days of well co	ompletion	State	of New Mexic	co			Revised November 6, 2013
		Energy, Minerals and Natural Resources				1. WELL API NO. 30-039-31144	
		Oil Conservation Division				2. Well Name: JICARILLA APACHE F #020	
1220 S. St Francis Dr. Santa Fe, NM 87505						3. Well Number: 020	
HYDRAULIC FF	RACTURIN	IG FLUID	1990			Surface Hole Location:     Unit: L Lot: L Section: 16 To	wnship:25N Range:05W
DISCLOSURE						Feet from: 1746 N/3	Winship.2514 Range.0514 S Line:S W Line:W
Original						5. Bottom Hole Location:	wnship:25N Range:05W
□ Amendment						Feet from: 1746 N/A Feet from: 877 E/A	S Line:S W Line:W longitude:
						36.3975869393691 7. County: Rio Arriba	-107.37124023492
Operator Name and Address:					9. OGRID:	149052 10. Phone Numb	er: 505-632-3476
ELM RIDGE EXPL PO BOX 156 Bloomfield 87413	ORATION COM	PANY LLC			9. OGRID:	149032 10. Phone Numb	er: 505-032-3470
Last Fracture Date: 6/19		12. Production Type: O		Туре:			
13. Pool Code(s): 39189					14. Gross Fractured Interval: 7.038 ft to 7.224 ft		
5. True Vertical Depth (TVD):		16. Total Vol 5 18. Percent o		me of Fluid Pumped: 4,782 gals of Re-Use Water in Fluid Pumped:			
7,596 ft 17. Total Volume of Re-Use Wate							
N/A 19. HYDRAULIC FLUID	COMPOSITIO	ON AND CONCENTRA	TION:		No	t Disclosed	
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Cher Service #	nical Abstract	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (%
2% KCL Water	Operator					100%	by mass) 49.961%
CRC SAND PREMIUM	Halliburton	Proppant	Crystalline silica, quartz Hexamethylenetetramine	14808-60-7 100-97-0		100%	15.59433% 0.31189%
			Phenol / formaldehyde	9003-35-4		5%	0.77972%
LGC-36 UC	Halliburton	Liquid Gel	resin Guar gum	9000-30-0		60%	0.15359%
		Concentrate	Naphtha, hydrotreated 64742-48-9 heavy			60%	0.15359%
BC-200 UC	Halliburton	Crosslinker	Modified alkane	Confidentia Information	Business	60%	0.06452%
HC-2	Halliburton	Additive	Inner salt of alkyl amines			30%	0.05527%
			Sodium chloride			30%	0.05527%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene Ethanol			1% 60%	0.00029% 0.01747%
			Heavy aromatic petroleum naphtha	64742-94-5		30%	0.00873%
			Naphthalene Poly(oxy-1,2-ethanediyl),	91-20-3 127087-87-	0	5% 5%	0.00146% 0.00146%
			alpha-(4-nonylphenyl) -omega-hydroxy-, branched				
SP BREAKER OPTIFLO-III DELAYED	Halliburton Halliburton	Breaker Breaker	Sodium persulfate Ammonium persulfate	7775-27-1 7727-54-0		100% 100%	0.00538% 0.00226%
RELEASE BREAKER		Dieakei	Crystalline silica, quartz			30%	0.00068%
Nitrogen Ingredients Listed Below	Halliburton		2-Ethyl hexanol			100%	33.86017% 0%
This Line Are Part of the			Borate salts	Confidentia		0%	0%
			Butyl alcohol	Information 71-36-3	11.74 1.34	0%	0%
			Crystalline silica, quartz Cured acrylic resin	14808-60-7 Confidential Business		0% 0%	0% 0%
				Information 9043-30-5	Dusilless	0%	0%
			Fatty alcohol polyglycol ether surfactant			3.75	
			Glycerine Methanol	56-81-5 67-56-1		0% 0%	0%
			Modified bentonite	Confidentia Information	Business	0%	0%
			Organic salt	Confidentia Information	Business	0%	0%
			Oxyalkylated phenolic	Confidentia	Business	0%	0%
			Oxyalkylated phenolic	Information Confidentia	Business	0%	0%
			resin Propylene carbonate	Information 108-32-7		0%	0%
			Propylene glycol	57-55-6		0%	0%
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl,salts with bentonite	68953-58-2		0%	0%
			Sodium carbonate	497-19-8		0%	0%
	I		Sodium sulfate	7757-82-6		0%	0%
			Water	7732-18-5	San Charles of the San	0%	0%

E-mail Address: amackey1@elmridge.net

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.

Date:

7/10/2014