Submit within 45 days of well completion		State of New Mexico Energy, Minerals and Natural Resources				Revised November 6, 2013			
						1. WELL API NO. 30-015-42907			
		Oil Conservation Division				2. Weil Name:			
						NFE FEDERAL #052H			
1220 S. St Francis Dr.						3. Well Number:			
Santa Fe, NM 87505						052H			
HYDRAULIC FRACTURING FLUID						Surface Hole Location:     Unit:A Lot:1 Section:6 Township:17S Range:31E			
DISCLOSURE						Feet from:485		Line:N V Line:W	
⊠ Original						5. Bottom Hole	Location:		
□ Amendment						Feet from:485 N/S Line:N			
						Feet from:330 E/W Line: W  6. latitude: longitude:			
							.869382835	-103.91589658	
						Ede	dy		
8. Operator Name and Address:  APACHE CORP  303 Veterans Airpark Lane Suite 3000  Midland 79705						873 10. Phone Number: 432-818-1062			
11. Last Fracture Date: 7/15/2015 Frac Performed by: Elite Well Services						roduction Type: O			
13. Pool Code(s): 96831						14. Gross Fractured Interval: 5,222 ft to 8,335 ft			
15. True Vertical Depth (TVD): 8,350 ft						Volume of Fluid Pumped: 2,281,944 gals			
17. Total Volume of Re-Use Water Pumped:					18. Percent of I	ent of Re-Use Water in Fluid Pumped:			
N/A 19 HYDRAULIC FLUID	COMPOSI	TION AND CONCENTRA	ATION:		No	Disclosed		00 0000EEE	
Trade Name	Supplier	Purpose	Ingredients		mical Abstract	Maximum In		Maximum Ingredient	
200 A 700 C		a arrational		Service #	An 2347 (1940) (A)	Concentrati mass)	on in Additive (% by	Concentration in HF Fluid (% by mass)	
Water Sand (Proposet)	Customer US Silica	Carrier/Base Fluid	Water	7732-18-5 14808-60-7		9	100% 100%	86.8377% 7.14362%	
Sand (Proppant) RCS (Proppant)	Momentive	Proppant Proppant	Silica Substrate Silica Substrate	14808-60-7		+	100%	7.14362% 2.39653%	
Hydrochloric Acid (15%)	CNR	Acidizing	Hydrochloric Acid	7647-01-0			38.8%	1.31557%	
Claymax	Chemplex	Clay Stabilizer	Choline Chloride	67-48-1		-	62%	0.00535%	
4-N-1 Plus	Chemplex	Iron Control,Corr	Acetic Acid	64-19-7			80%	0%	
Discoside 241	Ohamalaa	Inhib,Surfactant	Methanol	67-56-1		2	10%	0%	
Plexcide 24L Plexset 730	Chemplex Chemplex	Biocide Activator	Tetrahydro-3,Dimethyl-2H Secondary Alcohol Ethoxylate	533-74-4 84133-50-6		1	24% 50%	0% 0%	
Plexsurf 240 E	Chemplex	Surfactant	Methyl Alcohol Alcohol Alkoxylate	67-56-1 Proprietary			10% 50%	0.00823% 0.04113%	
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate	Proprietary			8%	0.00574%	
			Surfactants Hydrotreated Petroleum	64742-47-8	3		30%	0.02151%	
			Distillate Polyacrylamide-co-Acrytic	9003-06-9	<u> </u>		31%	0.02222%	
			Acid	9003-06-9			31%	0.02222%	
AMA 398	Chemplex	Biocide	Tetrahydro-3,Dimethyl-2H	9000-30-0			98%	0%	
Plexgel 907 LE	Chemplex	Polymer	Guar Gum			50% 55%		0%	
			Mineral Oil Bentonite Clay	64742-47-8 14808-60-7			2%	0% 0%	
			Surfactant	68439-51-0			2%	0%	
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol	107-21-1		9	9.99%	0%	
			Potssium Metaborate	13709-94-9	)		30%	0%	
Plexgel Breaker 10L	Chemplex	Gel Breaker	Potassium Hydroxide Mannanase Enzymes	1310-58-3 Proprietary		4	5% 2%	0% 0%	
ongo: Diodnor Total	Silvingitor	OSI DI GUNGI	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		<u> </u>	23%	0%	
Greenhib 679	Chemplex	Scale Inhibitor	Glycerine Proprietary	56-81-5 Proprietary	V.	-	35% 35%	0.01656% 0.01656%	
			Water	7732-18-5		7	30%	0.01030%	
Clayplex 650	Chemplex	Clay Stabilizer	Water	7732-18-5		1	60%	0%	
			Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride	67-48-1			35%	0%	
Plexcide 15G	Chemplex, L	C Biocide	Glutaraldehyde	111-30-8			14%	0.00308%	
N. F. S.	100000	12.1	Didecyl dimethyl	7173-51-5			3%	0.00066%	
			ammonium chloride Alkyl dimethyl benzyl	68424-85-1			3%	0.00066%	
			ammonium chloride		Ŋ		COLUMN ST		
20 Los Operator handura - 415	that the information	on shown on this disalass of	Ethanol	64-17-5	ad baliaf		3%	0.00066%	
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.  Signeture: Signed Electronically Printed Name: Reesa R. Holland Sr Staff Regulatory									
Title: Analyst									
Date: 9/11/201	5								
E-mail Address: reesa.fisher@apachecorp.com									
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.									