Submit within 45 days of well completion						Revised November 6, 2013											
		State of New Mexico Energy, Minerals and Natural Resources				1. WELL API NO. 30-015-40992											
Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505						2. Well Name:											
						CROW FEDERAL #018H  3. Well Number: 018H											
									HYDRAULIC FI	DACTUDII	NC EL LIID				4. Surface Ho	le Location:	
										KAC TUKII	NG FLUID						wnship:17S Range:31E
DISCLOSURE						Feet from: 18		S Line:S W Line:W									
⊠ Original						5. Bottom Hole Location:											
□ Amendment				Unit:L Lot Feet from: 18		ownship:17S Range:31E S Line:S											
						Feet from: 11		W Line:W									
						6. latitude:	0.407000004050	longitude:									
						32.8467623804256 - 103.883049857804 7. County:											
																Ed	dy
8. Operator Name and Address	:				9. OGRID:	873	10. Phone Number:	432-818-1062									
APACHE CORP																	
303 Veterans Airp Suite 3000	bark Lane																
Midland 79705		- 10 - 00,00 - 1 - 1 - 1				Acres (											
11. Last Fracture Date: 12/30/2013 Frac Performed by: Pumpco 12						Type:											
13. Pool Code(s):					O 14. Gross Frac	ractured Interval:											
26770						5,620 ft to 10,682 ft											
15. True Vertical Depth (TVD): 6,150 ft						stal Volume of Fluid Pumped: 3,294,685 gals											
17. Total Volume of Re-Use Water Pumped:						t of Re-Use Water in Fluid Pumped:											
N/A	- COMPONI	TON AND CONCENTS	TON		No	t Disclosed											
19. HYDRAULIC FLUIL Trade Name	Supplier	TION AND CONCENTRA	Ingredients	ICAS #1 Cham	nical Abstract	Maximum In	gradient	Maximum Ingredient									
Trade Name	Supplier	Fulpose	ingredients	Service #	lical Abstract	Maximum Ingredient Concentration in Additive (% by		Concentration in HF Fluid (%									
Water	Butch's	Carrier/Base Fluid	Water	7732-18-5		mass)	100%	by mass) 87.70649%									
Sand (Proppant)	TSS	Proppant	Silica Substrate	14808-60-7		100%		8.64543%									
Hydrochloric Acid (15%)	Reagent	Acidizing	Hydrochloric Acid	7647-01-0		15%		0.48362%									
AP-Bio-1	Dow Chemi	cal Biocide	Glutaraldehyde	111-30-8		42.5%		0.00987% 0.00174%									
	Company		Quaternary ammonium compounds, benzyl-	68424-85-1			7.5%	0.00174%									
			C12-16-alkyldimethyl,														
			chlorides Ethanol	64-17-5		1%		0.00023%									
AP-FR-1	Ashland	Friction Reducer	Hydrocarbon-aliphatic	25450-40-01 Proprietary Proprietary			30%	0.00023%									
			Fatty alcohol alkoxylate			5%		0.00136%									
			Polyacrylate based				35%	0.02713%									
Ferriplex 40	Chemplex	Iron Control	copolymer Sodium Hydroxide	1310-73-2 7757-82-6			1%	0.00016%									
	on on prox		Sodium Sulfate			2%		0.00031%									
			Anhydrous					0.979.001-0070									
			Trisodium Nitrilotriacetate	5064-31-3		40%		0.0063%									
Plexbreak 145	Chemplex	Non-Emulsifier	2-Butoxyethanol	111-76-2			15%	0.00087%									
	56		Cocamide Based	Proprietary			10%	0.00058%									
			Surfactant Diethanolamine	111-42-2			3%	0.00017%									
			Methyl Alcohol	67-56-1		8	15%	0.00017%									
Plexhib 256	Chemplex	Acid Inhibitor	Methyl Alcohol	67-56-1		8	60%	0.0031%									
			Propargyl Alcohol	107-19-7			10%	0.00052%									
			Thiourea/Formaldehyde Copolymer	68527-49-1			30%	0.00155%									
			Polyethoxylated Alcohol	68951-67-7		0	30%	0.00155%									
			Surfactant														
			C-14 to C-16 Alpha Olefins	64743-02-8			5%	0.00026%									
AP-Surf-1A	Blentech	Surfactant	Methanol	67-56-1 Proprietary Proprietary 67-48-1			25%	0.02105%									
			Sulfonate			8	4%										
Claymax	Chample	Clay Stabilizer	Alkyl alkoxylate Choline Chloride			11%		0.00926% 0.10786%									
Claymax Plexset 730	Chemplex	Proppant Proppant	Alcohol Ethoxylates			60%											
Section of the section		Consolidator	Methyl Alcohol	67-56-1		ĺ.	50%										
	// Co	ation shown on this disclosure form	Long at the Application of the Control of the Contr	est of my knowl	edge and belie	F											
The state of the s	Electronically	Printed Name: F	atima Vasquez			Title: Re	egulatory Tech										
Date: 2/13/201	Till man skipping kultur																
E-mail Address: fatima.va	asquez@apact	recorp.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.