Cubmit within 45 days of u	vall completion							Revised November 6, 2013									
Submit within 45 days of well completion State of New Mexico						1. WELL API NO.											
Energy, Minerals and Natural Resource					urces	30-015-40990											
Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505						2. Well Name: CROW FEDERAL #016H 3. Well Number: 016H											
									HYDRAULIC	FRACTURING	FLUID				4. Surface Ho		
									DISCLOSURE						Unit:L Lot:L Section:9		
									⊠ Original						5. Bottom Hole Location:		
□ Amendment						Unit:L Lot:L Section:9 Township:17S Range:31E Feet from:1745 N/S Line:S											
						Feet from: 11	10 E/	W Line:W									
						6. latitude:	2.846597466721	ongitude: -103.883049286865									
						7. County:		-103.003049200003									
						Ed	dy										
8. Operator Name and Addr	ress:				9. OGRID:	873	10. Phone Number:	432-818-1062									
APACHE COR 303 Veterans A Suite 3000	Airpark Lane																
Midland 79705 11. Last Fracture Date: 1	) 12/15/2013 Frac Perform	ned by: Pumpco			12. Production	n Type:											
13. Pool Code(s): 14. Gro						oractured Interval:											
26770						5,215 ft to 9,523 ft											
15. True Vertical Depth (TVD): 5,170 ft						Total Volume of Fluid Pumped: 3,057,012 gals											
17. Total Volume of Re-Use Water Pumped:						t of Re-Use Water in Fluid Pumped:											
N/A	IID COMPOSITION	NAND CONCENTRA	ATION:		No	t Disclosed											
Trade Name	Supplier	Purpose	Ingredients	(CAS#) Chemical Abstract Service#			gredient on in Additive (% by	Maximum Ingredient Concentration in HF Fluid (%									
Water	Cressent	Carrier/Base Fluid	Water	7732-18-5		mass)	100%	by mass) 87.98464%									
Sand (Proppant)	TSS	Proppant	Silica Substrate	14808-60-7		100%		8.44954%									
Hydrochloric Acid (15%)		Acidizing	Hydrochloric Acid	7647-01-0		15%		0.47072%									
AP-Bio-1	Dow Chemical	Biocide	Glutaraldehyde	111-30-8 68424-85-1		42.5% 7.5%		0.00996%									
	Company		Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides					0.00176%									
AP-FR-1	Ashland	Friction Doducer	Ethanol Hydrocarbon-aliphatic	64-17-5 25450-40-01		8	1% 30%	0.00023% 0.00406%									
AF-FR-1	Ashland	Friction Reducer	Fatty alcohol alkoxylate	Proprietary Proprietary			5%	0.00406%									
			Polyacrylate based copolymer				35%	0.02436%									
Ferriplex 40	Chemplex	Iron Control	Sodium Hydroxide	1310-73-2 7757-82-6 5064-31-3			1%										
			Sodium Sulfate Anhydrous			2%		0.0003%									
			Trisodium Nitrilotriacetate			40%		0.00609%									
Plexbreak 145	Chemplex	Non-Emulsifier	2-Butoxyethanol	111-76-2 Proprietary		ï	15%	0.00084%									
	100		Cocamide Based			10%		0.00056%									
			Surfactant Diethanolamine	111-42-2			3%	0.00017%									
			Methyl Alcohol	67-56-1			15%	0.00084%									
Plexhib 256	Chemplex					60%	0.00302%										
	885		Propargyl Alcohol	107-19-7 68527-49-1			10%	0.0005%									
			Thiourea/Formaldehyde Copolymer	68527-49-1			30%	0.00151%									
			Polyethoxylated Alcohol	68951-67-7		8	30%	0.00151%									
			Surfactant														
			C-14 to C-16 Alpha Olefins	64743-02-8			5%	0.00025%									
AP-Surf-1A	Blentech	Surfactant	Methanol	67-56-1			25%	0.02088%									
			Sulfonate	Proprietary			4%	0.00334%									
Claymax	Chemplex	Clay Stabilizer	Alkyl alkoxylate Choline Chloride	Proprietary 67-48-1		11% 65%		0.00919% 0.11505%									
Plexset 730	Chemplex	Proppant Proppant	Alcohol Ethoxylates	Proprietary		60%		0.11905%									
		Consolidator	Methyl Alcohol	67-56-1			50%	0.01833%									
Telegraphical distribution			is true and complete to the b	est of my knowl	edge and belief	Decretors and Control											
	ed Electronically	Printed Name: F	atima Vasquez			Title: Re	egulatory Tech										
Date: 2/6/20	U14																

E-mail Address: fatima.vas.quez@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.