

Submit within 45 days of well completion	<div>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</div>	Revised November 6, 2013				
		1. WELL API NO: 30-015-42142				
		2. Well Name: CROW FEDERAL #037H				
		3. Well Number: 037H				
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>		4. Surface Hole Location: Unit:M Lot:M Section:3 Township:17S Range:31E Feet from:995 N/S Line:S Feet from:525 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:3 Township:17S Range:31E Feet from:995 N/S Line:S Feet from:525 E/W Line:W				
		6. Latitude: 32.8590569474557 Longitude: -103.864514889318				
		7. County: Eddy				
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705		9. OGRID: 873	10. Phone Number: 432-818-1062			
11. Last Fracture Date: 10/9/2014 Frac Performed by: Baker Hughes		12. Production Type: O				
13. Pool Code(s): 26770		14. Gross Fractured Interval: 6,166 ft to 9,834 ft				
15. True Vertical Depth (TVD): 5,870 ft		16. Total Volume of Fluid Pumped: 3,018,540 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS # Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water	Operator	Carrier	Water	7732-18-5	100%	88.5438%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Listed with Chemicals in Ingredients	N/A	0%	2.0986%
Superset-W, 55 gal drum	Baker Hughes	Activator	Listed with Chemicals in Ingredients	N/A	0%	0.0638%
Alpha 125	Baker Hughes	Biocide	Listed with Chemicals in Ingredients	N/A	0%	0.0171%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Listed with Chemicals in Ingredients	N/A	0%	0.0883%
CI-27	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0034%
FRW-18	Baker Hughes	Friction Reducer	Listed with Chemicals in Ingredients	N/A	0%	0.0945%
Ferrotrol 280L	Baker Hughes	Iron Control	Listed with Chemicals in Ingredients	N/A	0%	0.0063%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Listed with Chemicals in Ingredients	N/A	0%	0.0039%
Sand, White, 40/70	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	3.2111%
Sand, White, 100 mesh	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	3.3748%
Super LC, 40/70	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	2.3336%
S-200	Baker Hughes	Surfactant	Listed with Chemicals in Ingredients	N/A	0%	0.0906%
Chemical Ingredients	Baker Hughes	Treatment System	2-Mercaptoethanol Alcohols, C10-16, ethoxylated propoxylated Alcohols, C12-16, ethoxylated Alcohols, C6-12 ethoxylated propoxylated Alcohols, ethoxylated Amines, unsatd. alkyl, ethoxylated Ammonium Chloride Ammonium Hydroxide Benzenesulfonic acid, hexadecyl(sulfophenoxy)-, disodium salt Choline Chloride Crystalline Silica (Quartz) Cupric Chloride Ethanol Fatty Acids Formaldehyde Glutaraldehyde Hexamethylenetetramine Hydrochloric Acid Hydrotreated Light Distillate Methanol Nonionic glycol ester Oleamide DEA Olefin Phenolic Resin Poly (Oxyethylene) Nonylphenol Ether Poly (acrylamide-co-acrylic acid) partial sodium salt Polyoxyalkylenes Polyoxyethylene Sorbitan Monooleate Propargyl Alcohol Propylene Glycol Silicon Dioxide (Silica Sand) Sodium Chloride Sodium lauriminodipropionate Sodium octylimodipropionate Sorbitan Monooleate Thiourea Polymer Water	60-24-2 69227-22-1 68551-12-2 68937-66-6 68551-12-2 68155-39-5 12125-02-9 1336-21-6 65143-89-7 67-48-1 14808-60-7 7447-39-4 64-17-5 61790-12-3 50-00-0 111-30-8 100-97-0 7647-01-0 64742-47-8 67-56-1 68400-71-5 93-83-4 64743-02-8 9003-35-4 9016-45-9 62649-23-4 68951-67-7 9005-65-6 107-19-7 57-55-6 14808-60-7 7647-14-5 14960-06-6 94441-92-6 1338-43-8 68527-49-1 7732-18-5	100% 5% 2% 5% 4% 2% 3% 5% 2% 75% 100% 5% 10% 30% 0.05% 30% 0.01% 15% 30% 60% 25% 2% 5% 5% 50% 30% 0.5% 10% 15% 97% 5% 1% 3% 0.5% 30% 85% 0%	0.006298% 0.004528% 0.001889% 0.004528% 0.003623% 0.001811% 0.002834% 0.000315% 7.8E-05% 0.066197% 6.580632% 0.000315% 0.009057% 0.001018% 2E-06% 0.005128% 0.000233% 0.314546% 0.028335% 0.033978% 0.000974% 0.001889% 0.00017% 0.118587% 0.0319% 0.028335% 0.001018% 0.000472% 0.000339% 0.000584% 2.261783% 0.00474% 3.9E-05% 0.000117% 0.000472% 0.001018% 1.940394% 0%
Ingredients shown above are subject to 29 CFR 1910					0%	0%
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.						
Signature: Signed Electronically		Printed Name: EMILY FOLLIS		Title: Sr Prod Dept Asst		
Date: 12/10/2014						
E-mail Address: emily.follis@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.