

Submit within 45 days of well completion NM OIL CONSERVATION ARTESIA DISTRICT JUL 22 2015 RECEIVED	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised November 6, 2013 1. WELL API NO. 30-015-40466 2. Well Name: RAVEN FEDERAL COM #010H 3. Well Number: 010H				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:E Lot:E Section:8 Township:17S Range:31E Feet from:2218 N/S Line:N Feet from:220 E/W Line:W 5. Bottom Hole Location: Unit:E Lot:E Section:8 Township:17S Range:31E Feet from:2218 N/S Line:N Feet from:220 E/W Line:W 6. latitude: 32.8501644852288 longitude: -103.899910778643 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: 4/25/2015 Frac Performed by: Elite		12. Production Type: O				
13. Pool Code(s): 96831		14. Gross Fractured Interval: 5,573 ft to 9,595 ft				
15. True Vertical Depth (TVD): 4,831 ft		16. Total Volume of Fluid Pumped: 2,953,314 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	Customer	Carrier/Base Fluid	Water	7732-18-5	100%	87.07681%
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	7.04946%
RCS (Proppant)	Momentive	Proppant	Silica Substrate	14808-60-7	100%	2.37819%
Hydrochloric Acid (15%)	CNR	Acidizing	Hydrochloric Acid	7647-01-0	38.8%	1.25158%
Claymax	Chemplex	Clay Stabilizer	Choline Chloride	67-48-1	62%	0.00587%
4-N-1 Plus	Chemplex	Iron Control, Corr Inhib, Surfactant	Acetic Acid	64-19-7	80%	0.01951%
			Methanol	67-56-1	10%	0.00244%
Plexcide 24L	Chemplex	Biocide	Tetrahydro-3, Dimethyl-2H	533-74-4	24%	0.00579%
Plexset 730	Chemplex	Activator	Secondary Alcohol Ethoxylate	84133-50-6	50%	0.0355%
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate Surfactants	Proprietary	8%	0.00734%
			Hydrotreated Petroleum Distillate	64742-47-8	30%	0.02753%
			Polyacrylamide-co-Acrylic Acid	9003-06-9	32%	0.02936%
Greenhib 679	Chemplex	Scale Inhibitor	Glycerine	56-81-5	35%	0.01717%
			Proprietary	Proprietary	35%	0.01717%
			Water	7732-18-5	30%	0.01472%
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: <u>Signed Electronically</u>		Printed Name: <u>Fatima Vasquez</u>		Title: <u>Regulatory Analyst</u>		
Date: <u>6/5/2015</u>						
E-mail Address: <u>fatima.vasquez@apachecorp.com</u>						

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.