

Submit within 45 days of well completion	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. 30-015-23781				
		2. Well Name: HJ FEDERAL #001				
		3. Well Number: 001				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:K Section:13 Township:19S Range:31E Feet from:1980 N/S Line:S Feet from:2310 E/W Line:W				
		5. Bottom Hole Location: Unit:K Lot:K Section:13 Township:19S Range:31E Feet from:1980 N/S Line:S Feet from:2310 E/W Line:W				
		6. latitude: longitude: 32.6587099087244 - 103.823868397034				
		7. County: Eddy				
8. Operator Name and Address: LYNX PETROLEUM CONSULTANTS INC PO BOX 1708 HOBBS 88241		9. OGRID: 13645	10. Phone Number:			
11. Last Fracture Date: 12/10/2013 Frac Performed by: Baker Hughes		12. Production Type: G				
13. Pool Code(s): 41480		14. Gross Fractured Interval: 8,513 ft to 9,194 ft				
15. True Vertical Depth (TVD): 9,194 ft		16. Total Volume of Fluid Pumped: 367,928 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%	97.81137%
HCl, 7.6 - 10%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	10%	0.04624%
			Water	7732-18-5	90%	0.41612%
Alpha 125	Baker Hughes	Biocide	Water	7732-18-5	75%	0.01862%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.07526%
			Water	7732-18-5	30%	0.03011%
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60%	0.00038%
Cl-31	Baker Hughes	Corrosion Inhibitor	Aromatic Aldehyde	Trade Secret	30%	0.00026%
			Benzyl Chloride	100-44-7	1%	1E-05%
			Cyclic Alkanes	Trade Secret	5%	4E-05%
			Formic Acid	64-18-6	60%	0.00052%
			Isopropanol	67-63-0	10%	9E-05%
			Methanol	67-56-1	5%	4E-05%
			Organic Sulfur Compound	Trade Secret	5%	4E-05%
			Oxyalkylated Fatty Acid	Trade Secret	30%	0.00026%
			Quaternary Ammonium Compound	Trade Secret	30%	0.00026%
			FRW-18	Baker Hughes	Friction Reducer	Petroleum Distillates
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00176%
			Ammonium Hydroxide	1336-21-6	5%	9E-05%
			Cupric Chloride	7447-39-4	5%	9E-05%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.0472%
Sand, Sacked, 20/40	Baker Hughes	Proppant	Propylene Glycol	57-55-6	30%	0.02832%
			Crystalline Silica (Quartz)	14808-60-7	100%	0.00128%
LiteProp 108, 14/40 mesh	Baker Hughes	Proppant	Non-Hazardous Ingredient	Trade Secret	100%	0.82899%
Preferred Garnet RC 20/40	Baker Hughes	Proppant	Castor Oil	8001-79-4	5%	0.02662%
			Crystalline Silica (Quartz)	14808-60-7	100%	0.53247%
Ingredients shown above are subject to 29 CFR 1910			2-Mercaptoethyl Alcohol	60-24-2	0%	3.04E-05%
			Alkylene Oxide Block Polymer	Trade Secret	0%	3.48E-05%
			Diethylene Glycol	111-46-6	0%	9E-07%
			Ethoxylated Alcohol	Trade Secret	0%	0.002057%
			Glutaraldehyde	111-30-8	0%	0.0074494%
			Methanol	67-56-1	0%	6.21E-05%
			Poly (acrylamide-co-acrylic acid)	Trade Secret	0%	0.0308551%
			Quaternary Ammonium Compound	Trade Secret	0%	3.91E-05%
			Salt	Trade Secret	0%	0.0051425%
			Sorbitan Monooleate	Trade Secret	0%	0.0051425%
Water	7732-18-5	0%	0.0519042%			
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: Debbie McKelvey Title: _____						
Date: 1/15/2014						
E-mail Address: debmckelvey@earthlink.net						

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.