

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. 30-025-41521				
		2. Well Name: COX 35 FEDERAL #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:O Lot:O Section:35 Township:23S Range:32E Feet from:200 N/S Line:S Feet from:2240 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:35 Township:23S Range:32E Feet from:199 N/S Line:N Feet from:2241 E/W Line:E				
		6. Latitude: longitude: 32.2544912567523 - 103.644097612772				
		7. County: Lea				
8. Operator Name and Address: ENERGEN RESOURCES CORPORATION 2010 Afton Place Farmington 87401			9. OGRID: 162928	10. Phone Number: 505-324-4154		
11. Last Fracture Date: 2/17/2014 Frac Performed by: Schlumberger			12. Production Type: O			
13. Pool Code(s): 96603			14. Gross Fractured Interval: 11,433 ft to 15,365 ft			
15. True Vertical Depth (TVD): 10,927 ft			16. Total Volume of Fluid Pumped: 2,778,804 gals			
17. Total Volume of Re-Use Water Pumped: 0 gals			18. Percent of Re-Use Water in Fluid Pumped: %			
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	Base Fluid	Water		100%	83.39855%
A286 Corrosion Inhibitor	Schlumberger	Corrosion Inhibitor	Propan-2-ol	67-63-0	60%	0.00371%
			Fatty alcohol ethoxylate	Proprietary	30%	0.00185%
			Ethoxylated alcohols	Proprietary	30%	0.00185%
			Aromatic aldehyde	Proprietary	10%	0.00062%
			Alkyl amine surfactant	Proprietary	5%	0.00031%
B244B Biocide	Schlumberger	Biocide	Glutaraldehyde	111-30-8	25%	0.00414%
B352 Resin Coated Prop	Schlumberger	Surfactant	Crystalline Silica	14808-60-7	100%	2.98165%
			Phenolic resin	9+003-35-4	5%	0.14908%
F112 Surfactant	Schlumberger	Surfactant	Polyethylene glycol monoethyl ether	31726-34-8	13%	0.01091%
H015 Hydrochlorid Acid	Schlumberger	Hydrochloric Acid	Hydrochloric Acid	7647-01-0	15%	0.26306%
J218 Breaker	Schlumberger	Breaker	Diammonium peroxidisulphate	7727-54-0	100%	0.00793%
J475 Gelling Agent	Schlumberger	Gelling Agent	Carbohydrate polymer	Proprietary	100%	0.18701%
J580 Gelling Agent	Schlumberger	Gelling Agent	Carbohydrate polymer	Proprietary	100%	0.18701%
J610 Crosslinker	Schlumberger	Crosslinker	Aliphatic polyol	Proprietary	30%	0.01979%
			Potassium hydroxide	1310-58-3	15%	0.0099%
L058 Iron Stabilizer	Schlumberger	Iron Stabilizer	Sodium erythorbate	6381-77-7	100%	0.00108%
L071 Temporary Clay Stabilizer	Schlumberger	Temporary Clay Stabilizer	Cholinium chloride	67-48-1	75%	0.12571%
S012 20/40 Sand	Schlumberger	Sand	Crystalline silica	14808-60-7	100%	11.2681%
S100 Sand	Schlumberger	Sand	Crystalline Silica	14808-60-7	100%	0.00098%
U042 Chelating Agent	Schlumberger	Chelating Agent	Tetrasodium ethylenediaminetetraacetate	64-02-8	60%	0.00637%
			Sodium hydroxide	1310-73-2	5%	0.00053%
			Trisodium nitrilotriacetate (impurity)	5064-31-3	1%	0.00011%
W054 Non-Emulsifying Agent	Schlumberger	Non-Emulsifying Agent	Methanol	67-56-1	70%	0.00104%
			Oxyalkylated alkyl alcohol (1)	Proprietary	10%	0.00015%
			Ocyalkylated alcohol (2)	Proprietary	10%	0.00015%
			Quaternary ammonium compound	Proprietary	5%	7E-05%
			Heavy Aromatic naphtha	64742-94-5	5%	7E-05%
SORB Scale Inhibitor	Baker Hughes	Scale Inhibitor	Oxyalkylated alcohol (1)	Proprietary	5%	7E-05%
			Diatomaceous earth, calcined	91053-39-3	100%	0.01298%
			Proprietary Polymer Blend	Proprietary	60%	0.00779%
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: Sandy Aden Title: Production Analyst						
Date: 5/7/2014						
E-mail Address: saden@energen.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.