

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 February 15, 2012				
		1. WELL API NO. 30-015-39786				
		2. Well Name: OSAGE 34 FEDERAL #004H				
		3. Well Number: 004H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:M Section:34 Township:19S Range:29E Feet from:530 N/S Line:S Feet from:230 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:34 Township:19S Range:29E Feet from:654 N/S Line:S Feet from:332 E/W Line:E				
		6. latitude: longitude: 32.6113785540506 - 104.070582228328				
		7. County: Eddy				
8. Operator Name and Address: SM ENERGY COMPANY 3300 N. A Street, Bldg. #7 Suite 200 Midland 79705				9. OGRID: 154903	10. Phone Number: 432-688-1789	
11. Last Fracture Date: 7/18/2012 Frac Performed by: SANJEL USA INC				12. Production Type: O		
13. Pool Code(s): 49622				14. Gross Fractured Interval: 8,057 ft to 12,545 ft		
15. True Vertical Depth (TVD): 8,034 ft				16. Total Volume of Fluid Pumped: 31,216 bbls		
17. 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)
Base Fluid	Operator	Base Fluid	Water, other	None	100%	43.0198%
					0%	0%
Super LC	Sanjel	Proppant	Crystalline Silica, SiO2	14808-60-7	97%	7.65032%
			Phenol-Formaldehyde Novolak Resin	9003-35-4	5%	0.39435%
			Hexamethylenetetramine	100-97-0	1%	0.07887%
					0%	0%
Silica Sand	Sanjel	Proppant	Crystalline Silica, SiO2	14808-60-7	99.9%	48.37695%
					0%	0%
5% Breaker O	Sanjel	Break Fluid	Ammonium persulfate	7727-54-0	5%	0.00237%
					0%	0%
Antimicrobial 7287	Dow	Biocide	Polyethylene glycol	25322-68-3	54.5%	0.00338%
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	20%	0.00124%
			Dibromoacetoneitrile	3252-43-5	3%	0.00019%
			Sodium bromide	7647-15-6	4%	0.00025%
					0%	0%
Breaker-2B	Sanjel	Break fluid	Ammonium persulfate	7727-54-0	100%	0.01421%
			Silica, crystalline - quartz	14808-60-7	10%	0.00142%
					0%	0%
LDP-F-0311	Sanjel	Borate Crosslinker	Ethylene Glycol	107-21-1	30%	0.01706%
			Boric Acid, sodium salt	13840-56-7	10%	0.00569%
			Sodium Hydroxide	1310-73-2	5%	0.00284%
					0%	0%
LDP-F-1710	Sanjel	High pH Buffer	Potassium Carbonate	584-08-7	30%	0.01015%
			Potassium Hydroxide	1310-58-3	30%	0.01015%
					0%	0%
NE-6	Sanjel	Non-emulsifier	Isopropal Alcohol	67-63-0	60%	0.02518%
			2-Ethylhexanol	104-76-7	5%	0.0021%
			Diethylenetriamine	111-40-0	5%	0.0021%
			Heavy Aromatic Solvent Naphtha	64742-94-5	5%	0.0021%
			Napthalene	91-20-3	1%	0.00042%
			Benzene 1-1-oxybis-, tetrapropylene	119345-03-8	10%	0.0042%
			Diethylenetriamine Alkylbenzene Sulfate	40139-72-8	30%	0.01259%
					0%	0%
SCC-5L	Sanjel	Clay Control	Tetramethylammonium Chloride	75-57-0	60%	0.01923%
					0%	0%
SI-14W	Sanjel	Scale Inhibitor	Phosphoric Acid	Proprietary	40%	0.00399%
			Methanol	67-65-1	30%	0.00299%
					0%	0%
Superset W	Sanjel	Activator	Methanol	67-56-1	50%	0.01214%
			Poly(oxyethylene) nonylphenol ether	9016-45-9	50%	0.01214%
					0%	0%
WG-2BL	Sanjel	Gellant	No hazardous ingredients	None	100%	0.21156%
					0%	0%
18. 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: Vickie Martinez Title: Engineering Tech						
Date: 8/23/2012						
E-mail Address: vmartinez@sm-energy.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.