

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		
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		1. WELL API NO. 30-015-41508		2. Well Name: OSAGE 34 FEDERAL #001H		
		3. Well Number: 001H		4. Surface Hole Location: Unit:A Lot:A Section:34 Township:19S Range:29E Feet from:450 N/S Line:N Feet from:330 E/W Line:E		
		5. Bottom Hole Location: Unit:D Lot: Section:34 Township:19S Range:29E Feet from:341 N/S Line:N Feet from:332 E/W Line:W		6. Latitude: 32.6230947560894 Longitude: 104.055147128151		
		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: 11/26/2013 Frac Performed by: WEATHERFORD FRACTURING TECHNOLOGIES		12. Production Type: O				
13. Pool Code(s): 49622		14. Gross Fractured Interval: 8,532 ft to 12,308 ft				
15. True Vertical Depth (TVD): 7,982 ft		16. Total Volume of Fluid Pumped: 1,802,113 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	SM Energy Company	Carrier / Base Fluid	Carrier / Base Fluid - Water	7732-18-5	100%	0.88788%
Ottawa Sand 20/40 (2.63 sg)	WFT	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	100%	0.08667%
Super LC 20/40 (2.51 sg)	WFT	Proppant	Crystalline Silica (Quartz)	14808-60-7	72.98%	0.01238%
			Formaldehyde	50-00-0	0.01%	0%
			Hexamethylenetetramine	100-97-0	1%	0.00017%
			Hydrated Aluminum Silicate	1332-58-7	5%	0.00085%
			Iron Oxide (fume)	1309-37-1	15%	0.00255%
			Phenol	108-95-2	0.01%	0%
			Phenol-Formaldehyde Resin	9003-35-4	6%	0.00102%
WBK-133	WFT	Breaker	Ammonium Persulfate	7727-54-0	100%	5E-05%
WBK-134	WFT	Breaker	Ammonium Persulfate	7727-54-0	75%	3E-05%
Superset W	Santrol	Activator	Methanol	67-56-1	50%	0.00021%
			Poly(oxyethylene) nonylphenol ether	9016-45-9	50%	0.00021%
Bio-Clear® 5000	WFT	Bactericide	2,2-dibromo-3-nitropropionamide	10222-01-2	5%	1E-05%
			Polyethylene Glycol	25322-68-3	50%	0.00011%
WGA-15L	WFT	Gelling Agents	Petroleum Distillates	64742-47-8	60%	0.00283%
WIC-641L	WFT	Iron Control	Citric acid	77-92-9	60%	0%
WPB-584L	WFT	ph Adjusting Agents	Potassium Carbonate	584-08-7	40%	0.00047%
			Potassium Hydroxide	1310-58-3	20%	0.00023%
WNE-363L	WFT	Surfactant	2-Ethylhexanol	104-76-7	7%	7E-05%
			Dodecylbenzenesulfonic acid, monoethanolamine salt	26836-07-7	15%	0.00015%
			Ethylene/Propylene Oxide Polymer	9003-11-6	30%	0.00029%
			Poly(oxy-1,2-ethanediyl), a-isotridecyl-w-hydroxy-	9043-30-5	5%	5E-05%
Ingredients Listed Below This Line Are Part of the			2-Butoxyethanol	111-76-2	0%	0%
			Alcohol Ethoxylate	68002-97-1	0%	0%
			Alcohols, C12-16, Ethoxylated	68551-12-2	0%	0%
			Anionic water soluble polymer	Proprietary	0%	0%
			Arlacel 83	8007-43-0	0%	0%
			Choline Chloride	67-48-1	0%	0%
			Crystalline Silica in the form of Quartz	14808-60-7	0%	0%
			Deionized Water	7732-18-5	0%	0%
			Guar gum	9000-30-0	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: <u>Signed Electronically</u>		Printed Name: <u>Vickie Martinez</u>		Title: <u>Engineering Tech</u>		
Date: <u>2/7/2014</u>						
E-mail Address: <u>vmartinez@sm-energy.com</u>						

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