

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: 30-045-32511				
		2. Well Name: MCCULLEY LS #004E				
		3. Well Number: 004E				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:C Lot:C Section:14 Township:28N Range:09W Feet from:730 N/S Line:N Feet from:1510 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot:C Section:14 Township:28N Range:09W Feet from:730 N/S Line:N Feet from:1510 E/W Line:W				
		6. latitude: 36.6673088 longitude: -107.7619247				
		7. County: San Juan				
8. Operator Name and Address: BP AMERICA PRODUCTION COMPANY 737 North Eldridge Parkway Houston 77079		9. OGRID: 778	10. Phone Number: 281-892-5369			
11. Last Fracture Date: 9/29/2016 Frac Performed by: Halliburton		12. Production Type: G				
13. Pool Code(s): 72319		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 6,730 ft		16. Total Volume of Fluid Pumped: 46,350 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)
Fresh Water	Operator	Base Fluid	Water	7732-18-5	100%	55.32209%
AQF-2 FOAMING AGENT	Halliburton	Foaming Agent	Listed Below	Listed Below	0%	0%
FR-76	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%
Gasperm 1000M	Halliburton	Surfactant	Listed Below	Listed Below	0%	0%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below	0%	0%
HCL >10%	Halliburton	Solvent	Listed Below	Listed Below	0%	0%
LOSURF-300D	Halliburton	Non-ionic Surfactant	Listed Below	Listed Below	0%	0%
NITROGEN LIQUEFIED	Halliburton	Fluid	Listed Below	Listed Below	0%	0%
OptiKleen-WF(TM)	Halliburton	Concentrate	Listed Below	Listed Below	0%	0%
SAND-PREMIUM WHITE-20/40, 100 LB SACK	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the					0%	0%
Ingredients	Listed Above	Listed Above	1,2,4 Trimethylbenzene	95-63-6	1%	1E-05%
			Acrylamide acrylate copolymer	Proprietary	30%	0.01688%
			Citrus, extract	94266-47-4	10%	0.01036%
			Crystalline silica, quartz	14808-60-7	100%	12.10567%
			Diethylene glycol	111-46-6	10%	0.01347%
			Ethanol	64-17-5	60%	0.00064%
			Ethoxylated alcohols	Proprietary	30%	0.00031%
			Ethoxylated oil	Proprietary	10%	0.01036%
			Ethylene glycol monobutyl ether	111-76-2	30%	0.04042%
			Fatty acids, tall oil	Proprietary	30%	0.00031%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00032%
			Hydrochloric acid	7647-01-0	30%	0.37889%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.01688%
			Inorganic salt	Proprietary	30%	0.01688%
			Isopropanol	67-63-0	30%	0.03107%
			Methanol	67-56-1	60%	0.00063%
			Naphthalene	91-20-3	5%	5E-05%
			Nitrogen	7727-37-9	100%	31.00696%
			Olefins	Proprietary	5%	0.00013%
			Oxylated phenolic resin	Proprietary	30%	0.00043%
			Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	5E-05%
			Polyoxyalkylenes	Proprietary	30%	0.06214%
			Propargyl alcohol	107-19-7	10%	0.0001%
			Quaternary ammonium compounds	Proprietary	10%	0.01036%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00031%
			Salts of aliphatic sulfonic acids	Proprietary	60%	0.08083%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.00566%
			Terpene	Proprietary	10%	0.01036%
			Water	7732-18-5	100%	1.40861%
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: Toya Colvin		Title: Regulatory Analyst		
Date: 10/3/2016						
E-mail Address: toya.colvin@bp.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.