

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: 30-045-22871				
		2. Well Name: BOLACK #001				
		3. Well Number: 001				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 10/12/2012		4. Surface Hole Location: Unit:K Lot:K Section:29 Township:28N Range:08W Feet from:1450 N/S Line:S Feet from:2510 E/W Line:W				
		5. Bottom Hole Location: Unit:K Lot: Section:29 Township:28N Range:08W Feet from:1450 N/S Line:S Feet from:2510 E/W Line:W				
		6. latitude: 36.6290248822605 longitude: -107.704650130197				
		7. County: San Juan				
8. Operator Name and Address: BP AMERICA PRODUCTION COMPANY PO BOX 3092 ROOM 3.340A HOUSTON 772533092		9. OGRID: 778		10. Phone Number:		
11. Last Fracture Date: 7/9/2012 Frac Performed by: 10/3/2012		12. Production Type: G				
13. Pool Code(s): 97232		14. Gross Fractured Interval: 5,919 ft to 6,031 ft				
15. True Vertical Depth (TVD): 6,815 ft		16. Total Volume of Fluid Pumped: 12,324 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)
2% KCL Water	Operator	Base Fluid	2% KCL Water	7732-18-5 / 7447-40-7	100%	89.90718%
15% FE ACID	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	1.14385%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	8.59498%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00988%
GasPerm 1100	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	60%	0.09817%
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00818%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.06947%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.06947%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.00683%
			Acetic anhydride	108-24-7	100%	0.01139%
FE-2A	Halliburton	Additive	Citric acid	77-92-9	60%	0.00788%
HAI-404	Halliburton	Corrosion Inhibitor	1-(Benzyl) quinolinium chloride	15619-48-4	10%	0.00014%
			Aldehyde	Proprietary	30%	0.00041%
			Isopropanol	67-63-0	30%	0.00041%
			Methanol	67-56-1	30%	0.00041%
			Quaternary ammonium salt	Proprietary	10%	0.00014%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	1E-05%
			Ethanol	64-17-5	60%	0.00076%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00038%
			Naphthalene	91-20-3	5%	6E-05%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	6E-05%
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	15%	0.00064%
			Carbohydrates	Proprietary	95%	0.00402%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00729%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00089%
			Walnut hulls	Mixture	100%	0.00297%
Ingredients Listed Below This Line Are Part of the			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Ammonium phosphite	13446-12-3	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Proprietary	0%	0%
			Cured Acrylic Resin	Proprietary	0%	0%
			Enzyme	Proprietary	0%	0%
			Ethoxylated Fatty Acid	Proprietary	0%	0%
			Ethoxylated Fatty Acid	Proprietary	0%	0%
			Ethoxylated Fatty Acid	Proprietary	0%	0%
			Ethoxylated Fatty Acid	Proprietary	0%	0%
			Fatty Acids, Tall Oil	Proprietary	0%	0%
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%
			Methyl Isobutyl Ketone	108-10-1	0%	0%
			Naphthenic acid ethoxylate	68410-62-8	0%	0%
			Oxyalkylated Phenolic Resin	Proprietary	0%	0%
			Oxyalkylated Phenolic Resin	Proprietary	0%	0%
			Polyacrylamide Copolymer	Proprietary	0%	0%
			Propylene glycol	57-55-6	0%	0%
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl salts with bentonite	68953-58-2	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%
			Sorbitan, mono-9 -octadecenoate, (Z)	1338-43-8	0%	0%
			Tall oil acid diethanolamide	68155-20-4	0%	0%
			Terpenes and Terpenoids	Proprietary	0%	0%
			Water	7732-18-5	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: Ranad Abdallah Title: Regulatory Analyst						
Date: 11/21/2012						
E-mail Address: Ranad.Abdallah@bp.com						

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