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

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

1. WELL API NO.: 30-045-22871
2. Well Name: BOLACK #001
3. Well Number: 001
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:K 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: 10/3/2012 Frac Performed by: Halliburton
12. Production Type: G
13. Pool Code(s): 97232
14. Gross Fractured Interval: 5,714 ft to 5,790 ft
15. True Vertical Depth (TVD): 6,815 ft
16. Total Volume of Fluid Pumped: 2,997 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%	60.12251%
15% HYDROCHLORIC ACID	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	2.24747%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	16.6573%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.12385%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.12385%
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.00622%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.01948%
			Monoethanolamine borate	26038-87-9	60%	0.03896%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00024%
			Ethanol	64-17-5	60%	0.01427%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00714%
			Naphthalene	91-20-3	5%	0.00119%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00119%
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Proprietary	30%	0.15303%
			Sodium chloride	7647-14-5	30%	0.15303%
HYDROCHLORIC ACID	Halliburton	Solvent	Hydrochloric acid	7647-01-0	60%	0.57285%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.01343%
			Acetic anhydride	108-24-7	100%	0.02238%
FE-2A	Halliburton	Additive	Citric acid	77-92-9	60%	0.01548%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00111%
			Propargyl alcohol	107-19-7	10%	0.00019%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.0013%
			Walnut hulls	Mixture	100%	0.00433%
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	15%	0.0005%
			Carbohydrates	Proprietary	95%	0.00316%
Nitrogen	Halliburton	Flowback enhancer	Nitrogen	7727-37-9	100%	19.1447%
Ingredients Listed Below This Line Are Part of the			Alcohols, C14-C15, ethoxylated	68951-67-7	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%
			Fatty acids, tall oil	Proprietary	0%	0%
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%
			Glycerine	56-81-5	0%	0%
			Olefins	Proprietary	0%	0%
			Olefins	Proprietary	0%	0%
			Olefins	Proprietary	0%	0%
			Olefins	Proprietary	0%	0%
			Oxyalkylated Phenolic Resin	Proprietary	0%	0%
			Oxyalkylated Phenolic Resin	Proprietary	0%	0%
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl,salts with bentonite	68953-58-2	0%	0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	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

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.