Submit within 30 days of well completion

Revised December 2, 2013

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

1. API NUMBER: 30-039-31044
2. Well Number: 001
3. Pool Number: 97232
4. Well Name: MESA GREEN 26 FEDERAL #001H
5. Surface Hole Location: Unit Letter: D Section: 26 Township: 30N Range: 04W Feet from: 330 N/S: N Feet from: 1000 E/W: W
6. Bottom Hole Location: Unit Letter: D Section: 26 Township: 30N Range: 04W Feet from: 330 N/S: N Feet from: 1000 E/W: W
7. Operator: BP AMERICA PRODUCTION COMPANY
8. Address: 501 WESTLAKE PARK BLVD HOUSTON, TX 77079
9. Contact Person: CHRISTINA HUNTER
10. Phone Number: 281-366-4081
11. Last Date of Production: 2/2/2012
12. Type of Completion: NEW WELL
13. Pool Information: BASIN DAKOTA (PRORATED GAS) 97232
14. Gross Perforated Interval: 7,600 - 8,000
15. Producing Method: Flowing
16. Date First Production: 2/2/2012
17. Date Fracture Treated: 2/2/2012
18. Type Completion: COMMINGLED
19. Total Water Volume Used to Frac Well: 2,646,420 GALLONS
20. Total Volume of Fluid Used in Fracture Treatment (including water): 2,646,420 GALLONS

I. - HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:

Trade Name	Supplier	Purpose	Ingredients	Ingredients	Maximum Ingredient Concentration in Additive (% by weight)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water	Operator	Carrier	Water	7732-18-5	100%	91.6223%
Sand, White, 50/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	7.9322%
Super LC, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.4815%
Sand, White, 100 Mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.2412%
WG-18 1 1/2lb	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	100%	0.1664%
GW-4	Baker Hughes	Gelling Agent	Crystalline Silica (Quartz)	14808-60-7	5%	0.0404%
ALDC-500L bbls	Baker Hughes	Crosslinker	Proprietary Alcohols	Mixture	5%	0.0350%
Ultra Flow LCM, 25# gallon	Baker Hughes	Friction Reducer	Petroleum Distillate Hydrotreated Light	64742-47-8	5%	0.0245%
BF-9L, 330 gal tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	5%	0.0242%
Fe-Biact Prime 30lbs	Baker Hughes	Surfactant	Proprietary Alcohols	Mixture	5%	0.0001%
ClayCare, bbls	Baker Hughes	Clay Control	Choline Chloride, 75%	67-48-1	5%	0.0404%
NE-35, 330 gal tote	Baker Hughes	Non-emulsifier	Proprietary Alcohols	Mixture	5%	0.0404%
ALdc-8	Baker Hughes	Crosslinker	Proprietary Alcohols	Mixture	5%	0.0404%
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde (Pentanedial)	111-30-8	5%	0.0243%
Superbreak 30, 330 gal tote	Baker Hughes	Activator	Proprietary Alcohols	Mixture	5%	0.0001%
GA-ELF	Baker Hughes	Gelling Agent	Proprietary Alcohols	Mixture	5%	0.0040%
SBR-5	Baker Hughes	Breaker	Proprietary Alcohols	Mixture	5%	0.0020%
High Perm CRB	Baker Hughes	Breaker	Proprietary Alcohols	Mixture	5%	0.0020%
Ferritrol 200L	Baker Hughes	Iron Control	Proprietary Alcohols	Mixture	5%	0.0018%
Enzyme H-2	Baker Hughes	Breaker	Proprietary Alcohols	Mixture	5%	0.0010%
CI-27	Baker Hughes	Corrosion Inhibitor	Proprietary Alcohols	Mixture	5%	0.0006%
NE-21	Baker Hughes	Gelling Agent	Proprietary Alcohols	Mixture	5%	0.0006%
Clay Master-5C	Baker Hughes	Clay Control	Proprietary Alcohols	Mixture	5%	0.0003%
SRW-300	Baker Hughes	Breaker	Proprietary Alcohols	Mixture	5%	0.0001%
Ingredients shown above are subject to 29 CFR 1910.1200(i) and Appendix D			Propylene Glycol	57-55-6	100%	0.1668%
			Ammonium Chloride (Ammonium Chloride)	12125-02-9	37%	0.3300%
			Sodium Chloride (Salt)	7647-14-5	30%	0.0396%
			Guar Gum	9000-30-0	100%	0.2038%
			Citric Acid	77-92-9	55%	0.0165%
			Acetic Acid	64-19-7	50%	0.0150%
			Cupric Chloride Dihydrate	10125-13-0	5%	0.0015%
			1-Propanol(Propyl alcohol), 2-(2-butoxyethoxy)-, phosphate (3:1), polymer, n-propyl ether, potassium salt	55934-93-5	30%	0.0090%
			2-propenamide, sodium salt			
			Ammonium Persulfate	7727-54-0	30%	0.0120%
			Calcite (Calcium Carbonate)	471-34-1	10%	0.0040%
			Magnesium Oxide	1309-48-4	5%	0.0020%
			Hydrotreated Distillate	101316-72-7	30%	0.0120%
			Ammonium Acetate	631-61-8	10%	0.0040%
			Acetaldehyde	75-07-0	30%	0.0120%
			Methanol (pure alcohol)	67-56-1	15%	0.0060%
			Ethoxylated Nonylphenol	68412-54-4	15%	0.0060%
			Ethoxylated Alcohols	68551-12-2	15%	0.0060%
			Quaternary Amine	Proprietary	5%	0.0020%
			Quaternary Salt	Proprietary	5%	0.0020%
			Isopropanol	67-63-0	30%	0.0120%
			Glycerin	56-81-5	5%	0.0020%
			Polyacrylamide	9003-05-8	30%	0.0120%
			Petroleum Distillate	64742-47-8	30%	0.0120%
			Sodium Chloride	7647-14-5	10%	0.0040%
			Propylene Glycol	57-55-6	30%	0.0120%
			Polyethylene glycol monooleate	9004-96-0	10%	0.0040%
			Calcium Nitrate	10124-37-5	100%	0.0396%
			Sodium Perborate Tetrahydrate	10486-00-7	30%	0.0120%
			Glutaraldehyde (pentanedial)	111-30-8	30%	0.0120%
			Quaternary Ammonium Compound	68424-85-1	5%	0.0020%
			Ethanol	64-17-5	5%	0.0020%
			Heavy Aromatic Petroleum Naphtha	64742-94-5	30%	0.0120%
			Tetramethylammonium Chloride	75-57-0	5%	0.0020%
			Hydrochloric Acid	7647-01-0	7.5%	0.0030%
			Dimethylcocoamine, bis(chloroethyl ether), diquaternary ammonium salt	61789-77-3	5%	0.0020%
			Methyl Alcohol	67-56-1	60%	0.0240%
			Propargyl Alcohol	107-19-7	10%	0.0040%
			Fatty Acids	Proprietary	30%	0.0120%
			Fatty Nitrogenes	Proprietary	30%	0.0120%
			Cocoamidopropyl Betaine	61789-40-0	30%	0.0120%
			Cocoamidopropyl Dimethylamine Oxide	68155-09-9	10%	0.0040%
			Citric Acid	77-92-9	30%	0.0120%
			Thioglycerin (2-Mercaptoethanol)	60-24-2	5%	0.0020%
			Tetrakis(hydroxymethyl)-phosphonium Sulfate	55566-30-8	15%	0.0060%
			Polyethylene Glycol	25322-68-3	70%	0.0280%
			Ammonium Chloride	12125-02-9	10%	0.0040%
			Magnesium Silicate Hydrate (Talc)	14807-96-6	30%	0.0120%
			Magnesium Nitrate	10377-60-3	20%	0.0080%
			Sorbitan Monooleate, Ethoxylated	9005-65-6	5%	0.0020%
			Polyethylene Glycol Monooleate	9004-96-0	10%	0.0040%
			Sodium Chloride	7647-14-5	30%	0.0120%
			Ammonium Acetate	631-61-8	5%	0.0020%
			Ammonium Nitrate	6484-52-2	30%	0.0120%
			Ammonium Chloride	12125-02-9	10%	0.0040%
			Methanol	67-56-1	30%	0.0120%
			Polyethylene Glycol Monohexadecyl Ether	9002-92-0	5%	0.0020%
			Methanol	67-56-1	5%	0.0020%
			Propargyl Alcohol	107-19-7	5%	0.0020%
			Quaternary Ammonium Compound	68424-85-1	5%	0.0020%
			Ethoxylated Fatty Acid	68951-67-7	5%	0.0020%
			Fatty Acid Tallow Salt	Proprietary	5%	0.0020%
			Unsaturated Fatty Acid	Proprietary	5%	0.0020%
			Oxyalkylated Fatty Acid	Proprietary	5%	0.0020%
			Formic Acid	64-18-6	20%	0.0080%
			Cinnamaldehyde	104-55-2	15%	0.0060%
			Anionic Polymer	Trade Secret	5%	0.0020%
			Ethylene Glycol	107-21-1	5%	0.0020%
			Organic Phosphate	Proprietary	5%	0.0020%
			Organic Phosphate	Proprietary	5%	0.0020%
			Organic Phosphonate	Proprietary	5%	0.0020%
			Amine Salt	Proprietary	5%	0.0020%
			Amine Salt	Proprietary	5%	0.0020%
			Polyacrylate	Proprietary	5%	0.0020%
			Polyacrylate	Proprietary	5%	0.0020%
			Sodium Chloride	7647-14-5	5%	0.0020%
			Polyethylene Glycol	25322-68-3	50%	0.0200%
			Guar Gum	9000-30-0	50%	0.0200%
			Citric Acid	77-92-9	60%	0.0240%
			Dimethylcocoamine, bis(chloroethyl ether), diquaternary ammonium salt	61789-77-3	5%	0.0020%
			Methanol	67-56-1	90%	0.0360%
			Propargyl Alcohol	107-19-7	10%	0.0040