

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:
30-045-35689

2. Well Name:
JOHNSON 1 #001H

3. Well Number:
001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:J Lot:J Section:2 Township:30N Range:11W
Feet from:1586 N/S Line:S
Feet from:1484 E/W Line:E

5. Bottom Hole Location:
Unit:L Lot Section:2 Township:30N Range:11W
Feet from:1369 N/S Line:S
Feet from:711 E/W Line:W

6. latitude: 36.83795268 longitude: -107.95641792

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: 281-366-7148

11. Last Fracture Date: 9/13/2015 Frac Performed by: Baker Hughes

12. Production Type:
G

13. Pool Code(s):
71629

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
2,351 ft

16. Total Volume of Fluid Pumped:
34,936 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	Operator	Carrier	Water	7732-18-5		0.21367%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Listed below	7647-01-0	100%	0%
Alpha 1427	Baker Hughes	Biocide	Listed below	CASNotAssigned	0%	0%
Magnacide 575	Baker Hughes	Biocide	Listed below	CASNotAssigned	0%	0%
GBW-5	Baker Hughes	Breaker	Listed below	CASNotAssigned	0%	0%
Enzyme G-4	Baker Hughes	Breaker	Listed below	CASNotAssigned	0%	0%
BF-7L	Baker Hughes	Buffer	Listed below	CASNotAssigned	0%	0%
BF-9L, 300 gal tote	Baker Hughes	Buffer	Listed below	CASNotAssigned	0%	0%
CI-27	Baker Hughes	Corrosion Inhibitor	Listed below	CASNotAssigned	0%	0%
XLW-4	Baker Hughes	Crosslinker	Listed below	CASNotAssigned	0%	0%
XLW-32	Baker Hughes	Crosslinker	Listed below	CASNotAssigned	0%	0%
FAW-22	Baker Hughes	Foamer	Listed below	CASNotAssigned	0%	0%
GW-3LDF	Baker Hughes	Gelling Agent	Listed below	CASNotAssigned	0%	0%
GW-3D	Baker Hughes	Gelling Agent	Listed below	CASNotAssigned	0%	0%
Ferrotrol 300L	Baker Hughes	Iron Control	Listed below	CASNotAssigned	0%	0%
Nitrogen	Baker Hughes	Nitrogen	Listed below	7727-37-9	0%	0%
NE-35, 330 gal tote	Baker Hughes	Non-emulsifier	Listed below	CASNotAssigned	0%	0%
Preferred Garnet RC 20/40	Baker Hughes	Proppant	Listed below	CASNotAssigned	0%	0%
MA-845	Baker Hughes	Surfactant	Listed below	CASNotAssigned	0%	0%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Listed below	CASNotAssigned	0%	0%
Other Chemicals	Baker Hughes	See trade names list	1-butoxy-2-propanol	5131-66-3	5%	0.01667%
Other Chemicals	Baker Hughes	See trade names list	2-butoxy-1-propanol	15821-83-7	0%	0.00033%
Other Chemicals	Baker Hughes	See trade names list	Alcohols, ethoxylated	68551-12-2	10%	0.01221%
Other Chemicals	Baker Hughes	See trade names list	Amines, unsatd. alkyl, ethoxylated	68155-39-5	5%	0.00611%
Other Chemicals	Baker Hughes	See trade names list	Ammonium Alkyl Ether Sulfate	78330-26-4	10%	0.12424%
Other Chemicals	Baker Hughes	See trade names list	Ammonium Persulfate	7727-54-0	100%	0.01614%
Other Chemicals	Baker Hughes	See trade names list	Benzenesulfonic acid, hexadecyl (sulfophenoxy)-, disodium salt	65143-89-7	2%	0.00011%
Other Chemicals	Baker Hughes	See trade names list	Boric Acid (H3BO3)	10043-35-3	30%	0.00208%
Other Chemicals	Baker Hughes	See trade names list	Citric Acid	77-92-9	60%	0.00644%
Other Chemicals	Baker Hughes	See trade names list	Citrus Terpenes	94266-47-4	60%	0.12792%
Other Chemicals	Baker Hughes	See trade names list	Crystalline Silica, Quartz (SiO2)	14808-60-7	98%	43.85359%
Other Chemicals	Baker Hughes	See trade names list	Diethyl Dimethyl Ammonium Chloride	7173-51-5	10%	0.01284%
Other Chemicals	Baker Hughes	See trade names list	Ethanol	64-17-5	5%	0.00642%
Other Chemicals	Baker Hughes	See trade names list	Ethoxylated Alcohol	68439-46-3	1%	0.01242%
Other Chemicals	Baker Hughes	See trade names list	Ethylene Glycol	107-21-1	1%	0.01242%
Other Chemicals	Baker Hughes	See trade names list	Fatty Acids	61790-12-3	30%	0.00196%
Other Chemicals	Baker Hughes	See trade names list	Fatty Amide Derivative	70851-08-0	1%	0.01242%
Other Chemicals	Baker Hughes	See trade names list	Formaldehyde	50-00-0	1%	0.01243%
Other Chemicals	Baker Hughes	See trade names list	Glutaraldehyde	111-30-8	30%	0.03851%
Other Chemicals	Baker Hughes	See trade names list	Glycerin	8043-29-6	25%	0.09012%
Other Chemicals	Baker Hughes	See trade names list	Guar Gum	9000-30-0	100%	0.90243%
Other Chemicals	Baker Hughes	See trade names list	Hemicellulase	9025-56-3	3%	0.00923%
Other Chemicals	Baker Hughes	See trade names list	Enzyme Concentrate			
Other Chemicals	Baker Hughes	See trade names list	Hydrochloric Acid	7647-01-0	15%	0.2018%
Other Chemicals	Baker Hughes	See trade names list	Iron Oxide (colorant)	1309-37-1	1%	0.44749%
Other Chemicals	Baker Hughes	See trade names list	Isopropanol	67-63-0	50%	0.47932%
Other Chemicals	Baker Hughes	See trade names list	Isotridecanol, ethoxylated	9043-30-5	5%	0.01667%
Other Chemicals	Baker Hughes	See trade names list	Methanol	67-56-1	60%	0.04472%
Other Chemicals	Baker Hughes	See trade names list	Methyl Borate	121-43-7	30%	0.00208%
Other Chemicals	Baker Hughes	See trade names list	Mineral Oil	8042-47-5	70%	0.23341%
Other Chemicals	Baker Hughes	See trade names list	Nitrogen	7727-37-9	100%	25.8601%
Other Chemicals	Baker Hughes	See trade names list	Nonionic glycol ester	68400-71-5	25%	0.00141%
Other Chemicals	Baker Hughes	See trade names list	Oilfin	64743-02-3	5%	0.00033%
Other Chemicals	Baker Hughes	See trade names list	Paraffinic Petroleum Distillate	64742-55-3	30%	0.10003%
Other Chemicals	Baker Hughes	See trade names list	Petroleum Distillates	64742-47-3	30%	0.10003%
Other Chemicals	Baker Hughes	See trade names list	Polyethylene glycol nonylphenyl ether	9016-45-9	15%	0.01832%
Other Chemicals	Baker Hughes	See trade names list	Polyoxyalkylenes	68951-67-7	30%	0.00196%
Other Chemicals	Baker Hughes	See trade names list	Polyurethane Resin (Castor Oil)	8001-79-4	5%	2.23743%
Other Chemicals	Baker Hughes	See trade names list	Potassium Carbonate	584-08-7	60%	0.19329%
Other Chemicals	Baker Hughes	See trade names list	Potassium Hydroxide	1310-58-3	30%	0.08035%
Other Chemicals	Baker Hughes	See trade names list	Propargyl Alcohol	107-19-7	10%	0.00065%
Other Chemicals	Baker Hughes	See trade names list	Propylene Glycol	57-55-6	15%	0.00084%
Other Chemicals	Baker Hughes	See trade names list	Quaternary Ammonium Compound	68424-85-1	5%	0.00642%
Other Chemicals	Baker Hughes	See trade names list	Sodium Chloride	7647-14-5	1%	0.01246%
Other Chemicals	Baker Hughes	See trade names list	Sodium Sulfate	7757-82-6	1%	0.01242%
Other Chemicals	Baker Hughes	See trade names list	Sodium Sulfonate	68439-57-6	30%	0.37272%
Other Chemicals	Baker Hughes	See trade names list	Sodium Tetraborate	1303-96-4	30%	0.10815%
Other Chemicals	Baker Hughes	See trade names list	Sodium lauriminodipropionate	14960-06-6	1%	6E-05%
Other Chemicals	Baker Hughes	See trade names list	Sodium octylimodipropionate	94441-92-6	3%	0.00017%
Other Chemicals	Baker Hughes	See trade names list	Sulfuric acid, monodecyl ester, sodium salt	142-87-0	5%	0.06212%
Other Chemicals	Baker Hughes	See trade names list	Sulfuric acid, monohexyl ester, sodium salt	2207-98-9	1%	0.01242%
Other Chemicals	Baker Hughes	See trade names list	Sulfuric acid, monoethyl ester, sodium salt	142-31-4	5%	0.06212%
Other Chemicals	Baker Hughes	See trade names list	Tetakis (Hydroxymethyl) Phosphonium Sulfate	55566-30-8	100%	0.00418%
Other Chemicals	Baker Hughes	See trade names list	Thiourea Polymer	68527-49-1	30%	0.00196%
Other Chemicals	Baker Hughes	See trade names list	Water	7732-18-5	97%	2.66354%

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
Date: 10/8/2015
E-mail Address: toya.colvin@bp.com

Printed Name: Toya Colvin

Title: Regulatory Analyst

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