

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

1. WELL API NO.  
30-045-116892. Well Name:  
GALLEGOS CANYON UNIT #2453. Well Number:  
245**HYDRAULIC FRACTURING FLUID DISCLOSURE** Original Amendment4. Surface Hole Location:  
Unit:E Lot:E Section:36 Township:28N Range:12W  
Feet from:1850 N/S Line:N  
Feet from:1190 E/W Line:W5. Bottom Hole Location:  
Unit:E Lot:E Section:36 Township:28N Range:12W  
Feet from:1850 N/S Line:N  
Feet from:1190 E/W Line:W6. Latitude: 36.6208483859945 Longitude: -  
108.0679786757037. County:  
San Juan8. Operator Name and Address:  
BP AMERICA PRODUCTION COMPANY  
PO BOX 3092  
ROOM 3.340A  
HOUSTON 7725330929. OGRID:  
77810. Phone  
Number:

11. Last Fracture Date: 1/18/2012 Frac Performed by: Halliburton

12. Production Type:  
G13. Pool Code(s):  
9723214. Gross Fractured Interval:  
5,680 ft to 5,784 ft15. True Vertical Depth (TVD):  
6,475 ft16. Total Volume of Fluid Pumped:  
704 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%	98.20171%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.27803%
LGC-36 UC	Halliburton	Gelling Agent	Guar gum	9000-30-0	60%	0.21866%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.21866%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.04784%
			Monoethanolamine borate	26038-87-9	60%	0.09569%
BA-40L Buffering Agent	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.02982%
HC-2	Halliburton	Surfactant	Inner salt of alkyl amines	Proprietary	30%	0.12678%
			Sodium chloride	7647-14-5	30%	0.12678%
GasPerm 1100	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	30%	0.06723%
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.0112%
			Isopropanol	67-63-0	10%	0.02241%
			Methanol	67-56-1	10%	0.02241%
Expedite 225 Component A	Halliburton	Resin	Epoxy resin	Proprietary	100%	0.12718%
			Butyl glycidyl ether	2426-08-6	30%	0.03816%
			Butyl lactate	138-22-7	10%	0.01272%
Expedite 225 Component B	Halliburton	Hardener	Methanol	67-56-1	60%	0.08241%
			Modified cycloaliphatic amine adduct	Mixture	60%	0.08241%
			Phosphate ester	Proprietary	10%	0.01374%
GBW-30 Breaker	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	15%	0.00275%
			Carbohydrates	Proprietary	95%	0.01743%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00371%
			Walnut hulls	Mixture	100%	0.01236%
Nitrogen	Halliburton	Inert gas / Flowback enhancer	Nitrogen	7727-37-9	100%	0%
HAI-82	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	30%	0.00141%
			Quaternary Ammonium Salt		10%	0.00047%
			Alcohols, C12-16, ethoxylated	68551-12-2	10%	0.00047%
			Isopropanol	67-63-0	10%	0.00047%
			Ethoxylated decyl alcohol		10%	0.00047%
			Hydrotreated light petroleum distillate	64742-47-8	5%	0.00023%
			Propargyl alcohol	107-19-7	5%	0.00023%
			Light aromatic solvent	64742-95-6	5%	0.00023%
			Napthalene	91-20-3	1%	5E-05%

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: 8/8/2012  
E-mail Address: Ranad.Abdallah@bp.com

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