

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 ☒ Amends disclosure submitted on 7/14/2012			1. WELL API NO: 30-021-20535			
			2. Well Name: WEST BRAVO DOME UNIT #081K			
			3. Well Number: 081K			
			4. Surface Hole Location: Unit:K Lot:K Section:8 Township:19N Range:29E Feet from:1650 N/S Line:S Feet from:1650 E/W Line:W			
			5. Bottom Hole Location: Unit:K Lot:K Section:8 Township:19N Range:29E Feet from:1650 N/S Line:S Feet from:1650 E/W Line:W			
			6. latitude: longitude: 0 0			
			7. County: Harding			
8. Operator Name and Address: HESS CORPORATION P.O. Box 840 Seminole 79360			9. OGRID: 495	10. Phone Number: 432-758-6720		
11. Last Fracture Date: 7/11/2012 Frac Performed by: Nabors Completion and Production Services			12. Production Type: C			
13. Pool Code(s): 96387			14. Gross Fractured Interval: 2,788 ft to 2,798 ft			
15. True Vertical Depth (TVD): 2,962 ft			16. Total Volume of Fluid Pumped: 176 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)
HCl Acid (0%-7.5%)	Superior Well Services	Bulk Acid	Hydrogen Chloride	7641-01-1	7.5%	0.479305%
			Water	7732-18-5	92.5%	5.911433%
Acid Inhibitor 3M (AI-3M)	Superior Well Services	Acid Corrosion Inhibitors	2-Butoxyethanol	111-76-2	3%	0.000318%
			Cinnamaldehyde	104-55-2	5%	0.00053%
			Ethoxylated Nonyphenol	68412-54-4	5%	0.00053%
			Ethylene Glycol	107-21-1	37%	0.005612%
			Isopropyl Alcohol	67-63-0	3%	0.000455%
			N,N-Dimethylformamide	68-12-2	13%	0.001972%
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	10%	0.001517%
			Triethyl Phosphate	78-40-0	3%	0.000455%
			Water	7732-18-5	25%	0.003792%
KR-153-SL	Superior Well Services	Biocides	2,2-dibromo-3-nitrilopropionamide	10222-01-2	20%	0.00431%
			Water	7732-18-5	80%	0.017239%
KCl (Potassium Chloride)	Superior Well Services	Clay Control Additives	Potassium Chloride	7447-40-7	100%	6.374282%
OB Breaker	Superior Well Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.009561%
LSG-100L	Superior Well Services	Gelling Agents	guar gum	9000-30-0	50%	0.718956%
			Petroleum Distillates	64742-47-8	60%	0.862748%
			Surfactant	68439-51-0	2%	0.028758%
			Suspending agent (solid)	14808-60-7	2%	0.028758%
Super 100 NE	Superior Well Services	Surfactants & Foamers	Alkyl Phosphate Ester	XXXX-XX-X (Proprietary)	0%	0%
			Cocoamido Tertiary Amine	XXXX-XX-X (Proprietary)	0%	0%
			Demulsifier Base	XXXX-XX-X (Proprietary)	0%	0%
			Epichlorohydrin	106-89-8	0%	0%
			Ethoxylated Alcohol	XXXX-XX-X (Proprietary)	0%	0%
			Glycol Ethers	111-76-2	7%	0.021825%
			Isopropyl Alcohol	67-63-0	30%	0.093538%
			Methanol	67-56-1	10%	0.031179%
			Monoethanolamine	9007-33-4	0%	0%
			Napthalene	91-20-3	1.5%	0.004677%
			Sodium Metabisulfite	7681-57-4	0%	0%
			Sulfamic Acid	5329-14-6	0%	0%
			Urea	57-13-6	0%	0%
Water	7732-18-5	0%	0%			
Super Stim-240 E	Superior Well Services	Surfactants & Foamers	Alcohol Ethoxylate Surfactants	Proprietary	20%	0.015948%
			Methyl Alcohol	67-56-1	20%	0.015948%
			Water	7732-18-5	80%	0.063794%
Super OW 3	Superior Well Services	Surfactants & Foamers	Cocoamido Tertiary Amine	XXXX-XX-X (Proprietary)	0%	0%
			Dichloroethyl ether (DCEE)	111-44-4	0%	0%
			Dimethylcocoamine, bis(chloroethyl) ether, diquatarnary ammonium salt	68607-28-3	5%	0.000393%
			Isopropyl Alcohol	67-63-0	35%	0.002751%
			Methanol	67-56-1	10%	0.000786%
			Water	7732-18-5	0%	0%
TX Specific 16/30 mesh Sand	Superior Well Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.174358%
			Crystalline Silica, quartz	14808-60-7	99.9%	15.834865%
			Iron Oxide	1309-37-1	0.1%	0.015851%
			Titanium Oxide	13463-67-7	0.1%	0.015851%
IC-500	Superior Well Services	Iron Control Additives	2-Mercaptoethanol	60-24-2	75%	0%
			Aqua Ammonia	1336-21-6	12%	0%
			Cupric Chloride	10125-13-0	7%	0%
			Potassium Iodide	7681-11-0	1%	0%
			Water	7732-18-5	7%	0%
Third Party	Third Party	CO2			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: Tatyana Gonzalez Title: Superior						
Date: 7/19/2012						
E-mail Address: tatyana.gonzalez@nabors.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.