

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 5/24/2012				1. WELL API NO: 30-015-39846			
				2. Well Name: PLU BIG SINKS 24 24 30 USA #001H			
				3. Well Number: 001H			
				4. Surface Hole Location: Unit:B Lot:B Section:24 Township:24S Range:30E Feet from:10 N/S Line:N Feet from:1980 E/W Line:E			
				5. Bottom Hole Location: Unit:B Lot:B Section:24 Township:24S Range:30E Feet from:10 N/S Line:N Feet from:1980 E/W Line:E			
				6. latitude: longitude: 32.2106094922168 - 103.832066520409			
				7. County: Eddy			
8. Operator Name and Address: CHESAPEAKE OPERATING, INC. P.O. Box 18496 Oklahoma City 73154				9. OGRID: 147179		10. Phone Number: 405-935-3782	
11. Last Fracture Date: 4/5/2012 Frac Performed by: Haliburton				12. Production Type: O			
13. Pool Code(s): 96403				14. Gross Fractured Interval: Confidential			
15. True Vertical Depth (TVD): 9,363 ft				16. Total Volume of Fluid Pumped: 67,884 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)	
Fresh Water		Carrier/Base Fluid			0%	87.44449%	
White Sand		Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	6.2883%	
100 Mesh Sand		Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	3.31311%	
CRC		Proppant	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	98%	1.79448%	
			Phenol/Formaldehyde Resin	009003-35-4	5%	0.09155%	
			Hexamethylenetetramine (Hexamine)	000100-97-0	1%	0.01831%	
FE ACID	HALLIBURTON	Acid	Hydrochloric Acid	007647-01-0	30%	0.1969%	
HAI-OS	HALLIBURTON	Corrosion Inhibitor	Methanol (Methyl Alcohol)	000067-56-1	60%	0.00033%	
			Propargyl Alcohol (2- Propynol)	000107-19-7	10%	5E-05%	
ParaSorb	BAKER HUGHES	Scale Inhibitor	Calcined Diatomaceous Earth	091053-39-3	65%	0.01623%	
			Mineral Oil (Paraffin Oil, White Mineral Oil)	008042-47-5	30%	0.00749%	
			Paraffin Inhibitor	N/A	25%	0.00624%	
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	5%	0.00125%	
HPH BREAKER	HALLIBURTON	Breaker	Sodium Chloride	007647-14-5	30%	0.06092%	
CLA-WEB	HALLIBURTON	Clay Stabilizer	Proprietary	N/A	60%	0.01471%	
SUPERSET W	HALLIBURTON	Activator	Ethoxylated nonylphenol	N/A	60%	0.01407%	
			Methanol (Methyl Alcohol)	000067-56-1	60%	0.01407%	
FR-66	HALLIBURTON	Friction Reducer	Petroleum Distillate Hydrotreated Light	064742-47-8	30%	0.01272%	
WG-26	HALLIBURTON	Gelling Agent	Guar Gum	009000-30-0	100%	0.00267%	
CL-31	HALLIBURTON	Cross Linker	Potassium Metaborate	013709-94-9	60%	0.01736%	
			Potassium Hydroxide	001310-58-3	5%	0.00145%	
MO-67	HALLIBURTON	pH Adjusting Agent	Sodium Hydroxide	001310-73-2	30%	0.00019%	
SGA-II	HALLIBURTON	Gelling Agent	Petroleum Distillate Hydrotreated Light	064742-47-8	30%	0.00015%	
19N	HALLIBURTON	Non- Emulsifier	Methanol (Methyl Alcohol)	000067-56-1	60%	0.00034%	
			Quaternary Ammonium Compounds	N/A	60%	0.00034%	
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	10%	6E-05%	
MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Ethylene Glycol	000107-21-1	60%	0.00647%	
			Sodium Hydroxide	001310-73-2	5%	0.00054%	
MC MX 664-5	MULTI-CHEM	Surfactant	Methanol (Methyl Alcohol)	000067-56-1	70%	0.05556%	
			Sulfonate	TRADE SECRET	30%	0.02381%	
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	5%	0.00397%	
MC B 8642 WS	MULTI-CHEM	Anti- Bacterial Agent	Glutaraldehyde (Pentanediol)	000111-30-8	60%	0.01455%	
			Quaternary Ammonium Compound	068424-85-1	10%	0.00243%	
			Ethanol	000064-17-5	1%	0.00024%	
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: Bryan Arrant		Title: Regulatory Specialist II	
Date:		5/31/2012					
E-mail Address:		bryan.arrant@chk.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.