Submit within 45 day	ys of	State of	New Mexico				Revise	ed February 15, 2012
well completion			Minerals and		1. WELL API			
			Resources	-	30)-015-39832		
			vation Division		2. Well Name	≘: DRAN STATE :	#nn2	
					240		#003	
1220 S. St Francis Dr. Santa Fe, NM 87505					Well Number: 003 4. Surface Hole Location:			
HYDRAULIC FRACTURING FLUID DISCLOSURE							Townsh	ip:17S Range:31E
					Feet from: 1		N/S Lin	
○ Original					Feet from:9		E/W Lir	ne:E
☐ Amendment					5. Bottom Hole Location: Unit:H Lot:H Section:16 Township:17S Range:31E			
					Feet from:1		N/S Lin	
					Feet from:9	30	E/W Lir	
						2.837285210		ongitude: -
				L				03.869210301072
				7	7. County: E(ddy		
8. Operator Name an	d Address:				9. OGRID:		10. Ph	none
	ERATING LLC				229137		Number:	
550 W TE SUITE 13	CONTRACTOR OF THE PARTY OF THE							
MIDLAND								
11. Last Fracture Date	e: 3/30/201	12 Frac Perform	ned by: Halliburton		12. Produc			
12 Bool Codo(s):	500.002,000,000	1014	10 100000000000000000000000000000000000			O	l.	
13. Pool Code(s): 26770					14. Gross Fractured Interval: 5,060 ft to 6,290 ft			
15. True Vertical Depth (TVD):					16. Total Volume of Fluid Pumped:			
6,425 ft 17. HYDRAULIC FL	IIID COMBO	CITION AND CO	ONCENTRATION:			11,380 bbls		
Trade Name	Supplier	Purpose	Ingredients	(CAS#) Chemical	Maximum Ing	redient	Maximum
N. 7. 30 80 40			1000000	Abstra	ct Service	Concentration	in	Ingredient
				#		Additive (% by	/ mass)	Concentration in HF Fluid (% by mass)
Fresh Water	Operator						100%	83.77875%
			- 1					
HCL Acid	Halliburton						100%	1.79059%
Ottawa 16/30	Halliburton						100%	11.74043%
Ottawa 16/30 CRC 16/30	Halliburton Halliburton	Initiator	Ethylene glycol	107-2	1-1		100% 100%	11.74043% 2.22324%
Ottawa 16/30	Halliburton	Initiator	Ethylene glycol Monoethanolamine	107-2	:1-1 3-87-9		100%	11.74043% 2.22324% 0.0173%
Ottawa 16/30 CRC 16/30 BC-140 X2	Halliburton Halliburton Halliburton		Monoethanolamine borate	26038	3-87-9		100% 100% 30% 100%	11.74043% 2.22324% 0.0173% 0.05766%
Ottawa 16/30 CRC 16/30	Halliburton Halliburton	Initiator Biocide	Monoethanolamine borate Sodium hydroxide	26038 1310-	3-87-9 -73-2		100% 100% 30% 100%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092%
Ottawa 16/30 CRC 16/30 BC-140 X2	Halliburton Halliburton Halliburton		Monoethanolamine borate Sodium hydroxide Sodium	26038	3-87-9 -73-2		100% 100% 30% 100%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092%
Ottawa 16/30 CRC 16/30 BC-140 X2	Halliburton Halliburton Halliburton		Monoethanolamine borate Sodium hydroxide	26038 1310-	73-2 -52-9		100% 100% 30% 100%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381%
Ottawa 16/30 CRC 16/30 BC-140 X2	Halliburton Halliburton Halliburton	Biocide	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4	26038 1310- 7681-	73-2 52-9		100% 100% 30% 100% 2% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene	1310- 7681- 7647- 95-63	73-2 52-9 -14-5		100% 100% 30% 100% 2% 30% 30% 1%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol	26038 1310- 7681- 7647- 95-63 64-17	3-87-9 73-2 52-9 -14-5 6		100% 100% 30% 100% 2% 30% 30% 1%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic	26038 1310- 7681- 7647- 95-63 64-17	73-2 52-9 -14-5		100% 100% 30% 100% 2% 30% 30% 1%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol	26038 1310- 7681- 7647- 95-63 64-17	73-2 52-9 14-5 1-6 2-94-5		100% 100% 30% 100% 2% 30% 30% 1%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20	73-2 52-9 14-5 1-6 2-94-5		100% 100% 30% 100% 2% 30% 30% 1% 60% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha-	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20	3-87-9 73-2 -52-9 -14-5 -6 -5 2-94-5		100% 100% 30% 100% 2% 30% 30% 1% 60% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)-	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20	3-87-9 73-2 -52-9 -14-5 -6 -5 2-94-5		100% 100% 30% 100% 2% 30% 30% 1% 60% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-,	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20	3-87-9 73-2 -52-9 -14-5 -6 -5 2-94-5		100% 100% 30% 100% 2% 30% 30% 1% 60% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™	Halliburton Halliburton Halliburton Halliburton	Biocide Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)-	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20	3-87-9 73-2 52-9 14-5 1-6 7-5 2-94-5 1-3 37-87-0		100% 100% 30% 100% 2% 30% 30% 1% 60% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D	Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Biocide Breaker Surfactant	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708	3-87-9 73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0		100% 100% 30% 100% 2% 30% 30% 1% 60% 30% 5%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564% 0.00427% 0.00427%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D	Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Biocide Breaker Surfactant	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confid Busin	3-87-9 73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0		100% 100% 30% 100% 2% 30% 30% 1% 60% 5% 5%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564% 0.00427% 0.00427%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D	Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Biocide Breaker Surfactant Activator	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated Nonylphenol	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confid Busin Inform	3-87-9 -73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0 -1 dential ess nation		100% 100% 30% 100% 2% 30% 30% 5% 5% 60% 60%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.05128% 0.02564% 0.00427% 0.00427% 0.003235% 0.03235%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D	Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Biocide Breaker Surfactant	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confid Busin Inform	3-87-9 73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0		100% 100% 30% 100% 2% 30% 30% 1% 60% 5% 5%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564% 0.00427% 0.00427%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D SUPERSET W OPTIFLO-HTE	Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Biocide Breaker Surfactant Activator Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated Nonylphenol Crystalline silica, quartz Walnut hulls	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confid Busin Inform	3-87-9 -73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0 -1 dential ess nation 3-60-7		100% 100% 30% 100% 2% 30% 30% 60% 5% 5% 60% 60% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.05128% 0.02564% 0.00427% 0.00427% 0.003235% 0.03235%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D SUPERSET W OPTIFLO-HTE K-35	Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Biocide Breaker Surfactant Activator Breaker	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated Nonylphenol Crystalline silica, quartz Walnut hulls Sodium carbonate	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confid Busin Inform 14808 Mixtur 497-1	3-87-9 -73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0 -1 dential ess nation 3-60-7 e 9-8		100% 100% 30% 100% 2% 30% 30% 5% 5% 60% 60% 60% 100%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564% 0.02564% 0.00427% 0.00427% 0.00427% 0.003235% 0.03235% 0.03235% 0.00154%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D SUPERSET W OPTIFLO-HTE K-35 WG-36 GELLING	Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Biocide Breaker Surfactant Activator Breaker Buffer Gelling	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated Nonylphenol Crystalline silica, quartz Walnut hulls	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confid Busin Inform	3-87-9 -73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0 -1 dential ess nation 3-60-7 e 9-8		100% 100% 30% 100% 2% 30% 30% 60% 5% 5% 60% 60% 30%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564% 0.02564% 0.00427% 0.00427% 0.00427% 0.03235% 0.03235% 0.03235%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D SUPERSET W OPTIFLO-HTE K-35 WG-36 GELLING AGENT	Halliburton	Breaker Surfactant Activator Breaker Buffer Gelling Agent	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated Nonylphenol Crystalline silica, quartz Walnut hulls Sodium carbonate Guar gum	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confid Busin Inform 14808 Mixtur 497-1 9000-	3-87-9 73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0 -1 dential ess nation 3-60-7 e 9-8 -30-0	polete to the bes	100% 100% 30% 100% 2% 30% 30% 1% 60% 5% 5% 60% 60% 60% 100% 100%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564% 0.02564% 0.00427% 0.00427% 0.003235% 0.03235% 0.03235% 0.00155% 0.00105% 0.15763%
Ottawa 16/30 CRC 16/30 BC-140 X2 BE-7™ HpH BREAKER LoSurf-300D SUPERSET W OPTIFLO-HTE K-35 WG-36 GELLING AGENT 18. I, as Operator, he	Halliburton	Biocide Breaker Surfactant Activator Breaker Buffer Gelling Agent the information	Monoethanolamine borate Sodium hydroxide Sodium hypochlorite Sodium chloride 1,2,4 Trimethylbenzene Ethanol Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2- ethanediyl),alpha- (4-nonylphenyl)- omega-hydroxy-, branched Methanol Ethoxylated Nonylphenol Crystalline silica, quartz Walnut hulls Sodium carbonate	26038 1310- 7681- 7647- 95-63 64-17 64742 91-20 12708 67-56 Confic Busin Inform 14808 Mixtur 497-1 9000- form is to	3-87-9 -73-2 -52-9 -14-5 -6 -5 2-94-5 -3 37-87-0 -1 dential ess nation 3-60-7 e 9-8 -30-0 true and con		100% 100% 30% 100% 2% 30% 30% 1% 60% 5% 5% 60% 60% 100% 100% 100% 100%	11.74043% 2.22324% 0.0173% 0.05766% 0.00092% 0.01381% 0.00023% 0.00085% 0.05128% 0.02564% 0.02564% 0.00427% 0.00427% 0.003235% 0.03235% 0.03235% 0.00155% 0.00105% 0.15763%

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.

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