HYDRAULIC FRACTURINDISCLOSURE ★ Original Amendment 8. Operator Name and Address: ENERGEN RESOURCES CORP 2010 Afton Place Farmington 87401 11. Last Fracture Date: 7/17/2013 Frac Pe 13. Pool Code(s): 39189 15. True Vertical Depth (TVD): 7,620 ft 17. HYDRAULIC FLUID COMPOSITITE Trade Name Supplier 2% KCL Water FE ACID ->10% HCL SAND - PREMIUM WHITE Halliburton SAND - COMMON WHITE Halliburton BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton OilPerm A Halliburton	Energy, Minera Oil Cons 1220 S Santa G FLUID DRATION	Servation Di S. St Francis a Fe, NM 875	ral Resolvision of Dr. 505	9. OGRID: 12. Productic O 14. Gross Fra 6, 16. Total Vol	2. Well Name: CHAC 3. Well Number: 019 4. Surface Hole L Unit:A Lot:Z00 Feet from:790 Feet from:990 6. Bottom Hole L: Unit:A Lot:Z00 Feet from:790 Feet from:990 6. latitude: 0 7. County: Sando 162928	Section:27	Township:23N Range:03W N/S Line:N EW Line:E Township:23N Range:03W N/S Line:N E/W Line:E longitude:
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ENERGEN RESOURCES CORP 2010 Afton Place Farmington 87401 11. Last Fracture Date: 7/17/2013 Frac Pe 13. Pool Code(s): 39189 15. True Vertical Depth (TVD): 7,620 ft 17. HYDRAULIC FLUID COMPOSIT Trade Name Supplier 2% KCL Water Operator FE ACID ->10% HCL Halliburton SAND - PREMIUM WHITE Halliburton SAND - COMMON WHITE Halliburton LGC-36 UC Halliburton BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton	ON AND CONCENTRA Purpose Proppant Proppant Liquid Gel	Ingredients Hydrochloric acid		12. Productio O 14. Gross Fra 6,1	on Type: ctured Interval: 241 ft to 6,423 ft	10. Phone Numi	per: 505-324-4154
11. Last Fracture Date: 7/17/2013 Frac Pe	Proppant Proppant Liquid Gel	Ingredients Hydrochloric acid		0 14. Gross Fra 6,3 16. Total Vol	ctured Interval: 241 ft to 6,423 ft	p1	
39189 15. True Vertical Depth (TVD): 7,620 ft 17. HYDRAULIC FLUID COMPOSIT Trade Name Supplier 2% KCL Water FE ACID ->10% HCL SAND - PREMIUM WHITE Halliburton SAND - COMMON WHITE Halliburton BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A HAlliburton HAI-OS ACID INHIBITOR Halliburton Halliburton	Proppant Proppant Liquid Gel	Ingredients Hydrochloric acid		6,3 16. Total Vol	241 ft to 6,423 ft		
7,620 ft 17. HYDRAULIC FLUID COMPOSITION Trade Name Supplier 2% KCL Water Operator FE ACID ->10% HCL SAND - PREMIUM WHITE Halliburton LGC-36 UC Halliburton BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A HAlliburton	Proppant Proppant Liquid Gel	Ingredients Hydrochloric acid				ed.	
2% KCL Water Operator FE ACID ->10% HCL Halliburton SAND - PREMIUM WHITE Halliburton SAND - COMMON WHITE Halliburton LGC-36 UC Halliburton BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton	Proppant Proppant Liquid Gel	Hydrochloric acid			17,085 gals		
FE ACID - > 10% HCL Halliburton SAND - PREMIUM WHITE Halliburton SAND - COMMON WHITE Halliburton LGC-36 UC Halliburton BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton	Proppant Liquid Gel	*	(CAS #) Chemical Abstract Service #		Maximum Ingred Concentration in mass)	Additive (% by	Maximum Ingredient Concentration in HF Fluid (% by mass)
SAND - COMMON WHITE Halliburton LGC-36 UC Halliburton BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton	Proppant Liquid Gel	Crystalline silica,	7647-01-0 14808-60-7			100% 30% 100%	84.75467% 0.22927% 12.80306%
BC-200 UC Halliburton FE-1A ACIDIZING COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton		quartz Crystalline silica,	14808-60-7			100%	0.85869%
FE-1A ACIDIZING Halliburton COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton		quartz Guar gum Naphtha,	9000-30-0 64742-48-9			60% 60%	0.26997% 0.26997%
COMPOSITION FE-2A Halliburton HAI-OS ACID INHIBITOR Halliburton	Crosslinker	hydrotreated heavy Modified alkane	Confidential B	lusiness	100	60%	0.11344%
HAI-OS ACID INHIBITOR Halliburton	Additive	Acetic acid Acetic anhydride	Information 64-19-7 108-24-7		60% 100%		0.01385% 0.02309%
OilPerm A Halliburton	Additive Corrosion Inhibitor	Citric acid Methanol	77-92-9 67-56-1	56-1		60% 60%	0.01597% 0.00115%
	Non-ionic Surfactant	Propargyl alcohol 1,2,4 Trimethylbenzene	107-19-7 95-63-6		10% 1%		0.00019% 0.00054%
		Ethanol Heavy aromatic	64-17-5 64742-94-5			60% 30%	0.03259% 0.01629%
		petroleum naphtha Naphthalene Poly(oxy-1,2-	91-20-3 127087-87-0			5% 5%	0.00272% 0.00272%
		ethanediyl), alpha-(4 -nonylphenyl)-	551-01-0			J-70	5.0027270
OilPerm B Halliburton	Surfactant	omega-hydroxy-, branched Proprietary	Confidential B	lusiness		30%	0.01655%
		component Isopropanol				30%	0.01655%
		Terpenes and Terpenoids, sweet orange-oil	A. (C.) - C. (C.)			30%	0.01655%
SP BREAKER Halliburton OPTIFLO-III DELAYED Halliburton RELEASE BREAKER	Breaker Breaker	Sodium persulfate Ammonium persulfate	7775-27-1 7727-54-0			100% 100%	0.01116% 0.00807%
		Crystalline silica, quartz	14808-60-7			30%	0.00242%
Ingredients Listed Below This Line Are Part of the		2-Ethyl hexanol Acetic acid Acetic anhydride	104-76-7 64-19-7 108-24-7			0% 0% 0%	0% 0% 0%
		Alcohols, C12-16, ethoxylated	61791-08-0			0%	0%
		Alcohols, C14-C15, ethoxylated Borate salts	68951-67-7 Confidential B	lusiness		0%	0%
		Butyl alcohol	Information 71-36-3			0%	0%
		Citric acid Crystalline silica, quartz	77-92-9 14808-60-7			0% 0%	0% 0%
		Cured acrylic resin Ethoxylated fatty acid	Confidential B Information Confidential B			0%	0%
		Fatty acids, tall oil	Information Confidential B			0%	0%
		Fatty alcohol polyglycol ether	Information 9043-30-5			0%	0%
		surfactant Methanol Modified bentonite	67-56-1			0%	0%
		Olefins	Confidential B Information Confidential B		3	0%	0%
		Olefins	Information Confidential B Information	usiness		0%	0%
		Olefins Olefins	Confidential Business Information Confidential Business Information Confidential Business Information Confidential Business Information Confidential Business Information			0%	0%
		Organic salt				0%	0%
		Oxyalkylated phenolic resin				0%	0%
		Oxyalkylated phenolic resin				0%	0%
		Propylene carbonate Propylene glycol Quaternary	108-32-7 57-55-6 68953-58-2			0% 0% 0%	0% 0% 0%
		ammonium compounds, bis (hydrogenated tallow					
		alkyl) dimethyl,salts with bentonite					
		Reaction product of acetophenone, formaldehyde,	68527-49-1			0%	0%
		thiourea and oleic acid in dimethyl formamide					
		Sodium carbonate Sodium sulfate	497-19-8 7757-82-6			0% 0%	0% 0%
		Terpenes and terpenoids Water	Confidential B Information 7732-18-5	lusiness	·	0%	0%
18. I, as Operator, hereby certify that the informal Signature: Signed Electronically	ion shown on this disclosure form in Printed Name: Anna Stotts	s true and complete to the		edge and belie	r. Title: Regulato	Mac was a book of	
Date: 10/7/2013 E-mail Address: astotts@energen.com	_						
NMOCD does not require the reporting of information.	on beyond MSDS data as describe	ed in 29 CFR 1910.1200. N	MOCD does not re	equire the ren	orting or disclosure	of proprietary, trac	de secret or confidential business