

**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: 30-015-36512
2. Well Name: WILLIAMS A FEDERAL #007
3. Well Number: 007
4. Surface Hole Location: Unit:K Lot:K Section:29 Township:17S Range:28E Feet from:2060 N/S Line:S Feet from:2260 E/W Line:W
5. Bottom Hole Location: Unit:K Lot:K Section:29 Township:17S Range:28E Feet from:2060 N/S Line:S Feet from:2260 E/W Line:W
6. latitude: 32.8036164284238 longitude: - 104.19899378781
7. County: Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

Original
 Amended

8. Operator Name and Address: LRE OPERATING, LLC 1111 Bagby Suite 4600 Houston 77002	9. OGRID: 281994	10. Phone Number: 713-292-9517
11. Last Fracture Date: 4/19/2012 Frac Performed by: BAKER	12. Production Type: O	
13. Pool Code(s): 96830	14. Gross Fractured Interval: 3,321 ft to 3,434 ft	
15. True Vertical Depth (TVD): 3,600 ft	16. Total Volume of Fluid Pumped: 1,958 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 5.1-7.5%	BAKER	ACIDIZING	Hydrochloric acid	7647-01-01	7.5%	0.25553%
Activator 330	BAKER	ACTIVATOR	ALCOHOLS, C12-14-Secondary	84133-50-6	70%	0.02144%
X-Cide 207	BAKER	Biocide	Methanol	67-56-1	50%	0.01531%
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00018%
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00035%
			Crystalline Silica: Cristobalite	14464-46-1	1%	4E-05%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	4E-05%
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00211%
			Magnesium Chloride	7786-30-3	5%	0.00018%
			Magnesium Nitrate	10377-60-3	10%	0.00035%
GBW-5	BAKER	BREAKER	Ammonium Persulfate	7727-54-0	100%	0.00294%
Enzyme G-1	BAKER	BREAKER	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.001%
ClayCare, tote	BAKER	Clay Control	Choline Chloride	67-48-1	75%	0.07213%
CI-27	BAKER	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00079%
			Methanol	67-56-1	60%	0.00157%
			Olefin	Trade Secret	5%	0.00013%
			Polyoxyalkylenes	Trade Secret	30%	0.00079%
			Propargyl Alcohol	107-19-7	10%	0.00026%
XLW-10A	BAKER	Crosslinker	Ethylene Glycol	107-21-1	30%	0.02553%
			Sodium Hydroxide	1310-73-2	10%	0.00851%
			Sodium Tetraborate	1330-43-4	30%	0.02553%
GW-4LDF	BAKER	Gelling Agent	Guar Gum	9000-30-0	40%	0.24778%
			Petroleum Distillates Blend	Trade Secret	70%	0.43362%
Ferotrol 280L	BAKER	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.01294%
			Ammonium Hydroxide	1336-21-6	5%	0.00065%
			Cupric Chloride	7447-39-4	5%	0.00065%
NE-945, tote	BAKER	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.0045%
Sand Brown 16/30	BAKER	Propant	Crystalline Silica (Quartz)	14808-60-7	100%	12.04341%
Sand White 100 mesh	BAKER	Propant	Crystalline Silica (Quartz)	14808-60-7	100%	0.23495%
SiberProp, 16/30	BAKER	Propant	Quartz (SiO2)	14808-60-7	100%	2.31658%
ScaleSorb 3, (50# bag)	BAKER	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30%	0.01762%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00059%
			Diatomaceous Earth, Calcined	91053-39-3	100%	0.05874%
			Phosphonic Acid	13598-36-2	1%	0.00059%
ES-4A Greenskeeper Solvent	BAKER	Solvent	Petroleum Distillates Blend	Trade Secret	100%	0.1293%

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: Mike Pippin Title: Consultant
Date: 4/28/2012
E-mail Address: mike@pippinllc.com

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