

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				
		1. WELL API NO: 30-015-41186				
		2. Well Name: STATE N #002				
		3. Well Number: 002				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:8 Township:18S Range:28E Feet from:1060 N/S Line:S Feet from:1600 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:8 Township:18S Range:28E Feet from:1060 N/S Line:S Feet from:1600 E/W Line:W				
		6. Latitude: longitude: 32.7575558977853 - 104.20098907684				
		7. County: Eddy				
8. Operator Name and Address: ALAMO PERMIAN RESOURCES, LLC 415 W. Wall Street, Suite 500 Midland 79701		9. OGRID: 274841		10. Phone Number: 432-897-0673		
11. Last Fracture Date: 6/7/2013 Frac Performed by: CUDD ENERGY SERVICES		12. Production Type: O				
13. Pool Code(s): 3230		14. Gross Fractured Interval: 2,224 ft to 2,457 ft				
15. True Vertical Depth (TVD): 2,615 ft		16. Total Volume of Fluid Pumped: 1,154 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)
Water		Carrier / Base Fluid		7732-18-5	100%	67.30496%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	27.58098%
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0%
			Water	7732-18-5	80%	0%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.55998%
			Water	7732-18-5	85%	3.17321%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.00173%
			Propargyl Alcohol	107-19-7	4%	0.00014%
I-116	Chemplex,L.C.	Acid Corrosion Inhibitor	2-Propanol	67-63-0	100%	0%
			2-Propyn-1-OL	107-19-7	100%	0%
SG-15G	PIP Technology	Polymer	Guar Gum	9000-30-0	50%	0.16493%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.18142%
			Bentonite Clay	14808-60-7	2%	0.0066%
			Surfactant	68439-51-0	2%	0.0066%
BC-1	Benchmark	Breaker Catalyst	Triethanolamine	102-71-6	100%	0.07235%
			Diethanolamine	111-42-2	30%	0.02171%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.01418%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.06571%
NE-217	Chemplex, L.C.	Non-emulsifier	Methanol	67-56-1	50%	0.00307%
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0	15%	0.00891%
			Methanol	67-56-1	15%	0.00891%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.01189%
FA-520	Chemplex, L.C.	Foaming Agent	Methanol	67-56-1	40%	0.10565%
			Fatty Alkyl Amine Salt	Not Established	40%	0.10565%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.01175%
			Water	7732-18-5	55%	0.01175%
SI-625	Keltech	Scale Inhibitor	Methanol	67-56-1	19.9%	0%
SCW-625	Tech Management	Scale Inhibitor	Methanol	67-56-1	100%	0.09092%
WAW-511	Tech Management	Biocide	Ammonium Chloride	12125-02-09	1%	0.0018%
CRW-231	Tech Management	Corrosion Inhibitor	Isopropyl Alcohol	67-3-0	5%	0.00366%
			Acetic Acid	64-19-7	10%	0.00732%
			Methanol	67-56-1	15%	0.01098%
PAO-100	Tech Management	Paraffin Solvent	Carbon Bisulfide	75-15-0	15%	0.03009%
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: CARIE A STOKER		REGULATORY AFFAIRS		
Date: 6/10/2013				Title: COORDINATOR		
E-mail Address: cstoker@helmsol.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.