Submit within 45 days of well	completion	04-4-	- C NI B II					Revised November 6	8, 2013	
	of New Mex			1. WELL API NO.						
Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505						30-015-40783				
						2. Well Name: LOGAN 2C STATE #004				
						3. Well Number: 004				
HYDRAULIC FF	RACTURING F	LUID				4. Surface Hole L Unit: C Lot: 3		ownship:18S Range:	27F	
DISCLOSURE						Feet from:990	N	S Line:N		
⊠ Original						Feet from: 1500 5. Bottom Hole L		W Line:W		
□ Amendment						Unit:C Lot:3 Feet from:990		ownship:18S Range: 'S Line:N	27E	
						Feet from: 1500		W Line:W		
						6. latitude: 32.78	806509320949	longitude:		
								104.252935719096		
						7. County: Eddy				
Operator Name and Address:					9 OGRID	277558	10. Phone Num	per: 713-292-9	517	
LIME ROCK RESC	OURCES II-A, L.P.				J. GOILIB.	211000	10. I florie Ivalii	Jei. 110 202 (7517	
1111 Bagby Stree Suite 4600	t									
Houston 77002 11. Last Fracture Date: 12/2	0.00042 Free Besterned	b ELITE			12. Producti	T				
122/2010										
13. Pool Code(s): 96836						14. Gross Fractured Interval: 3.498 ft to 3.844 ft				
15. True Vertical Depth (TVD):						otal Volume of Fluid Pumped:				
4,776 ft 17. Total Volume of Re-Use Water Pumped:						906,234 gals nt of Re-Use Water in Fluid Pumped:				
0 gals 19. HYDRAULIC FLUID	COMPOSITION	VID CONCENTOA	TION:		%					
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemi	cal Abstract	Maximum Ingred		Maximum Ingredient		
477.0	7.57014			Service #		Concentration in mass)	Additive (% by	Concentration in HF Flui mass)	d (% by	
SAND GREENHIB 679	CHEMPLEX, LC	PROPPANT SCALE INHIBITOR	SILICON DIOXIDE GLYCERINE	14808-60-7 56-81-5			100% 35%		0719% 1802%	
GIVEEINING 079	CHEWIT LEX, LC	SCALE INTIBITOR	TRADE SECRET	TRADE SEC	RET		35%		1802%	
15% HYDROCHLORIC ACID	CNR	ACID	36% HYDROCHLORIC	7647-01-0			18.8%	0.00	0334%	
			ACID							
PLEXSLICK 953	CHEMPLEX, LC	FRICTION REDUCER	ALCOHOL ETHOXYLATE	TRADE SECRET			8%	0.00	0612%	
		SASSES - ASS. 177	SURFACTANTS	04740 47.0			200/	0.00	200 40/	
			HYDROTREATED PETROLEUM	64742-47-8			30%	0.02	2294%	
			DISTILLATE	0002.00.0			240/	0.00	22740/	
			POLYACRYLAMIDE- CO-ACRYTIC ACID	9003-00-9			31%	0.02	2371%	
4-N-1	CHEMPLEX, LC	ACIDIZING AGETN	2-ETHYLHEXANOL ACITIC ACID	104-76-7 64-19-7			10% 85%		0012% 0103%	
			ALCOHOL	TRADE SEC	RET		2%		E-05%	
			ETHOXYLATE SURFACTANTS							
			COCAMIDE	68603-42-9			2%	2	E-05%	
			DIETHANOLAMINE SALT							
			DIETHANOLAMINE	111-42-2			2%		E-05%	
			METHYL ALCOLHOL N-OLEFINS	TRADE SEC	DET	<u>.</u>	0.1% 0.01%		0012% E-05%	
			PROPARGYL	107-19-7	I L		0.01%		E-05%	
			ALCOHOL THIOUREA-	68527-49-1			0.02%	2	E-05%	
			FORMALDEHYDE	00027 40 1			0.0270	-	_ 0070	
		BIGGIRE	COPOLYMER TETRAHYDRO-3, 5-	533-73-2			24%	0.0	0123%	
PLEXCIDE 24I	CHEMPLEX LC	HIOCHDE								
PLEXCIDE 24L	CHEMPLEX, LC	BIOCIDE	DIMETHYL-2H-1,3,5-							
PLEXCIDE 24L	CHEMPLEX, LC	BIOCIDE		-						
PLEXCIDE 24L	CHEMPLEX, LC	BIOCIDE	DIMETHYL-2H-1,3,5- THIADAZINE-2- THIONE SODIUM	1310-73-2			12%	0.00	0615%	
PLEXCIDE 24L 20. 1, as Operator, hereby certify	0.00.77.2038		DIMETHYL-2H-1,3,5- THIADAZINE-2- THIONE SODIUM HYDROXIDE	1310-73-2	ledge and beli	ef.	12%	0.00)615%	
20. I, as Operator, hereby certify	that the information sho		DIMETHYL-2H-1,3,5- THIADAZINE-2- THIONE SODIUM HYDROXIDE s true and complete to the	1310-73-2	ledge and beli	ef. Title: Consulta	2010	0.00)615%	

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.