State of New Windows   1,000   1,00	10 20									
Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505   2. Null human   DASH FOR CASH #003   3. Null hum	Submit within 45 days of well completion State of New Mexico									
## TYDRAULIC FRACTURING FLUID DISCLOSURE    Contignal										
No.   No.							DASH FOR CASH #003			
Santa Fe, NM 87505   1003   DISCLOSURE   X Original										
DISCLOSURE   Solidar			Sant	a Fe, NM 87	505					
Amendment		RACTURING	FLUID				Unit:L Lot:L	Section:5 To		
Amendment	<u> </u>									
B. Operator Name and Address	□ Amendment						Feet from:217 Feet from:128	5 N/	S Line:S W Line:W	
B. Operator Name and Address:   S. OGRID.   13837   10. Phone Number:   575-748-1288							32.7	7756438647359		
MACK ENERGY CORP   PO Bos 960   11344 Loringtion Havy   Artissis 880 211   1. Last Fracture Cises: 1/23 1/2013 Face Performed by. Elite Well Services   12 Production Type.   15 Production Type.   16 Production Type.   16 Production Type.   16 Production Type.   17 Testal Volume of Testal Wolume of Testal W							12. 1500 - 11. 1500 - 15. 15. 15. 15. 15. 15. 15. 15. 15. 15.		0.000	
MACK ENREKY CORP   PO Box 90	8. Operator Name and Address	i:				9 OGRID:	13837	10 Phone Numb	er: 575-748-1288	
11. Last Raduus Date   12/31/2013 Pao Performed by Eilte Well Services   12 Production Types   13 Gross Produced Interval   14 Gross Produced Interval   15 G077 Rt 0.5 (15.3) R	MACK ENERGY ( PO Box 960 11344 Lovington	CORP				J. GGMB.	15557	To Thore Name	370 740 1200	
13 Pool Code(s)   14 (Note: Problem)   15 (Note: Problem)   16 (15 to 15 to		31/2013 Frac Perform	med by: Elite Well Services							
19. True Vertical Depth (TVD)							is Fractured Interval:			
17. Total Volume of Re-Like Water Pumped:   NA   18	15. True Vertical Depth (TVD): 16. T						Volume of Fluid Pumped:			
Not Disclosed   Not Disclose										
Supplier						N	ot Disclosed			
Water         Carrier Base Fluid (% by Sand (Propant)         Service # (names)         Concentration in Additive (% by mass)         Concentration in Meditive (% by mass)         P191378%         ACCID (10% (% b) 425524%					(CA C #) Ch:	! ^	Manimum Incom	J:4	Maniana lanadiant	
Sand Proppant   Proppant   Silicon Dioxide   14808-80-7   100%   2.089796		Supplier	3 11 10 1 10 1 10 1 10 1 10 1 10 1 10 1	10000	Service #	cal Abstract	Concentration i	n Additive (% by	Concentration in HF Fluid (% by mass)	
Proppant   Proppant   Silicon Dioxide   14808-80-7   100%   2.08979%   0.03912%   0.03										
Chemplex LC		K					S.			
Mater	Greenhib 679	Chemplex, LC					1 5			
15% Hydrochloric Acid   CNR				Trade Secret	Trade Secret			35%	0.03912%	
Plexsilick 953   Chemplex, LC   Friction Reducer   Alcohol Ethoxylate Surfactants   Hydrotreated Petroleum Distillate   Hydrotreated Petroleum Distillated Petroleum Distillated Petroleum Distillated Petroleum Distillated Petroleum Distillated P		197.00	1,10							
Plexslick 953	15% Hydrochloric Acid	CNR	Acid	Acid				3133		
Surfactants	Diamelials 052	Ohammian I O	Frieties Deduces							
Petroleum Distillate   Water   7732-18-5   31%   0.04309%	Prexslick 953	Chemplex, LC	Friction Reducer	Surfactants						
Polyarcylamide-co-				Petroleum Distillate						
Acrytic Acid   Acrotic Acid   Acrytic Acid   Acry							×			
Acetic Acid   64-19-7   85%   0.00122%   Alcohol Ethoxylate   Surfactants   Trade Secret   2%   3E-05%   Surfactants   Cocamide   68603-42-9   2%   3E-05%   Diethanolamine Salt   Diethanolamine Salt   Diethanolamine   111-42-2   2%   3E-05%   Methyl Alcohol   67-56-1   0.1%   0.00014%   N-Olefins   Trade Secret   0.01%   1E-05%   Propargyl Alcohol   107-19-7   0.01%   1E-05%   Propargyl Alcohol   107-19-7   0.01%   1E-05%   Formaldehyde   Copolymer   Copol					9003-06-9			31%	0.04309%	
Alcohol Ethoxylate Surfactants	4-N-1	Chemplex, LC	Acidizing Agent	2-Ethylhexanol	104-76-7			10%	0.00014%	
Surfactants		7								
Diethanolamine Salt					Trade Secret			2%	3E-05%	
Methyl Alcohol   67-56-1   0.1%   0.00014%     N-Olefins   Trade Secret   0.01%   1E-05%     Propargyl Alcohol   107-19-7   0.01%   1E-05%     Thiourea-Formaldehyde   Copolymer   0.000     Plexcide 24L								2%	3E-05%	
N-Olefins   Trade Secret   0.01%   1E-05%										
Propargyl Alcohol   107-19-7   0.01%   1E-05%   Thiourea-Formaldehyde   Copolymer   0.02%   3E-05%										
Thiourea-Formaldehyde   Copolymer   Chemplex, LC   Biocide   Tetrahydro-3,5-Dimethyl-2H-1,3,5-Thiadiazine-2-Thione   Sodium Hydroxide   Taturahydroxide										
Formaldehyde Copolymer  Plexcide 24L  Chemplex, LC  Biocide  Tetrahydro-3,5- Dimethyl-2H-1,3,5- Thiadiazine-2- Thione  Sodium Hydroxide  1310-73-2  129  0.00516%  0.00258%  Water  7732-18-5  1000516%  Tetrahydro-3,5- Dimethyl-2H-1,3,5- Thiadiazine-2- Thione  Sodium Hydroxide  1310-73-2  129  0.00258%  0.01549%  20. 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:  Deans Weaver  Title: Production Clerk										
Plexcide 24L Chemplex, LC Biocide Tetrahydro-3,5-Dimethyl-2H-1,3,5-Thiadiazine-2-Thione Sodium Hydroxide 1310-73-2 12% 0.00516% Water 7732-18-5 72% 0.01549%  20. 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: Deans Weaver Title: Production Clerk				Formaldehyde	00327 43 1			0.0270	32 03 /	
Sodium Hydroxide 1310-73-2 12% 0.00258% Water 7732-18-5 72% 0.01549%  20. 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: Deana Weaver Title: Production Clerk	Plexcide 24L	Chemplex, LC	Biocide	Tetrahydro-3,5- Dimethyl-2H-1,3,5- Thiadiazine-2-	533-73-2			24%	0.00516%	
Water 7732-18-5 72% 0.01549%  20. 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: Deana Weaver Title: Production Clerk					1310-73-2			12%	0.00258%	
Signature: Signed Electronically Printed Name: Deana Weaver Title: Production Clerk				Water	7732-18-5					
	The State of the Control of the Cont	White the second second	ALCOHOLD STATE OF THE STATE OF	Leave to the second	best of my knowl	ledge and beli	SEAR THAT A SE	uotion Ol!		
			Printed Name: Dear	ia weaver			Title: Prodi	ucion cierk	_	

E-mail Address: deanap@mackenergycorp.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.