Submit within 45 days of we	ell completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division				Revised November 6, 2013 1. WELL API NO.				
	i i									
1220 S. St Francis Dr.						3. Well Number:			-	
Santa Fe, NM 87505										
HYDRAULIC F	FRACTURIN	G FLUID				4. Surface Hole Unit:K Lot:K		Fownship:17S	Range:33E	
DISCLOSURE						Feet from: 2310 N/S Line: S Feet from: 1980 E/W Line: W				
⋈ Original				5. Bottom Hole I	Location:	Fownship:17S	Range:33E			
□ Amendment						Feet from:2310 N/S Line:S				
						Feet from: 198	0 E	/W Line:W		
						6. latitude: 32.7	7902382365723	longitude:		
							103.635913544744 7. County:			
						Lea				
8. Operator Name and Addre	155:				9. OGRID:	13837	10. Phone Numb	er: 57	75-748-1288	
MACK ENERGY PO Box 960 11344 Lovingto Artesia 88211	CORP									
1.00 CO 1.00 C						tion Type:				
13. Pool Code(s): 14. Gro						O ractured Interval:				
43329 15. True Vertical Depth (TVD): 16. To						3,870 ft to 3,888 ft				
3,888 ft					7.00	Total Volume of Fluid Pumped: 371,070 gals				
17. Total Volume of Re-Use Water Pumped:					3.00	Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
N/A AD HYDRAULIC FLU	IID COMPOSITI	ON AND CONCENTRA	TION:		N	ot Disclosed			1	
Trade Name	Supplier	Purpose	Ingredients	(CAS#) Chemi	cal Abstract	Maximum Ingre	dient	Maximum Ing	redient	
	1001000	11114 177118 231	107.10	Service #		Concentration in mass)	n Additive (% by	Concentration mass)	in HF Fluid (% by	
Water	Customer	Carrier/Base Fluid	Water	7732-18-5			1%	7 1 1 1	96.42558%	
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7		1%			3.17559%	
RCS (Proppant)	Momentive	Proppant	Silica Substrate	14808-60-7 7647-01-0		1%			0%	
Hydrochloric Acid Claymax	CNR Chemplex	Acidizing Clay Stablizer	Hydrochloric Acid Choline Choride	67-48-1		6	0.388% 0.62%		0.05944%	
4-N-1 Plus	Chemplex	Iron Control, Corr	Acetic Acid		64-19-7		0.8%		0.0394470	
		Inhib	Methanol	67-56-1		£	0.1%		0%	
Plexcide 24L	Chemplex	Biocide	Tetrahydro-3, Dimethyl 2H	533-74-4			0.24%		0.0073%	
Plexset 730	Chemplex	Activator	Secondary Alcohol Ethoxyate	84133-50-6		0.5%			0%	
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate Surfactants	Proprietary		0.08%			0.00995%	
			Hydrotreated Petoleum Distillate	64742-47-8			0.3%		0.0373%	
	Section 1. 11 Construction		Polyacrylamide-Co- Acrytic Acid	9003-06-9		0.31%			0.03854%	
AMA-398	Chemplex	Biocide	Tetrahydro-3 Dimethyl 2H	533-74-4		0.98%			0%	
Plexgel 907LE	Chemplex	Polymer	Guar Gum Mineral Oil	9000-30-0	64742-47-8		0.5% 0.55%		0% 0%	
			Bentonite Clay	14808-60-7		0.02%			0%	
			Surfactant	68439-51-0		0.02%			0%	
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol	107-21-1			0.0999%		0%	
			Potassium Metaborate	13709-94-9			0.3%	1	0%	
			Potassium Hydroxide	1310-58-3		0.05%			0%	
Plexgel Breaker 10L	Chemplex	Gel Breaker	Mannanase Enzymes	Propietary			0.02%		0%	
O-dimer D	01 .	0.15	Sodium Chloride	7647-14-5			0.15%		0%	
Sodium Persultfate Buffer 11	Chemplex Chemplex	Gel Breaker PH Control	Potassium Hydroxide	7775-27-1 1310-58-3		0.98% 0.23%			0% 0%	
Greenhib 679	Chemplex	Scale Inhibitor	Glycerine	56-81-5		·	0.35%		0.05188%	
	Pro 1990 - 1990		Proprietary	Proprietary		100	0.35%		0.05188%	
			Water	7732-18-5			0.3%		0.04447%	
The State of the S	CONTRACTOR OF THE ACTION OF THE PARTY OF THE	on shown on this disclosure form i		e pest of my know	edge and belie	SIGN TOWN A CO.	untion Olaska			
Signature: Signed Date: 5/20/2	d Electronically 014	Printed Name: Dear	ia wedvel			Title: P1000	uction Clerk			

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.