

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 November 6, 2013				
		1. WELL API NO: 30-005-64241				
		2. Well Name: PRINCE RUPERT FEDERAL #003				
		3. Well Number: 003				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:O Lot:O Section:17 Township:15S Range:29E Feet from:330 N/S Line:S Feet from:2160 E/W Line:E				
		5. Bottom Hole Location: Unit:O Lot:O Section:17 Township:15S Range:29E Feet from:330 N/S Line:S Feet from:2160 E/W Line:E				
		6. latitude: 33.009582816 longitude: -104.0490894				
		7. County: Chaves				
8. Operator Name and Address: MACK ENERGY CORP PO Box 960 11344 Lovington Hwy Artesia 88211		9. OGRID: 13837	10. Phone Number: 575-748-1288			
11. Last Fracture Date: 3/27/2017 Frac Performed by: Elite Well Service		12. Production Type: O				
13. Pool Code(s): 52770		14. Gross Fractured Interval: 3,583 ft to 8,133 ft				
15. True Vertical Depth (TVD): 3,199 ft		16. Total Volume of Fluid Pumped: 3,175,951 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. 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	Customer	Carrier/Base Fluid	Water	7732-18-5	100%	85.32693%
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	10.76614%
RCS (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	1.46834%
Hydrochloric Acid	CNR	Acidizing	Hydrochloric Acid	7647-01-0	38.8%	0.49536%
4-N-1 Plus	Chemplex	Iron Control, Corr Inhib	Acetic Acid	64-19-7	80%	0.00772%
			Methanol	67-56-1	10%	0.00096%
Plexsurf 240 E	Chemplex	Surfactant	Methyl Alcohol	67-556-1	10%	0.00624%
			Alcohol Alkoxylate	Proprietary	50%	0.03121%
Plexgel 907 LE	Chemplex	Polymer	Guar Gum	900-30-0	50%	0.24438%
			Mineral Oil	64742-47-8	55%	0.26882%
			Bentonite Clay	14808-60-7	2%	0.00978%
			Surfactant	68439-51-0	2%	0.00978%
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.00976%
			Potassium Metaborte	13709-94-9	30%	0.0293%
			Potassium Hydroxide	1310-58-3	5%	0.00488%
Plexgel Breaker 10L	Chemplex	Gel Breaker	Mannanase Enzymes	Proprietary	2%	0.00119%
			Sodium Chloride	7647-14-5	15%	0.0089%
Plexgel Breaker HT	Chemplex	Gel Breaker	Ammonium Persulfate	7775-27-1	90%	0.25018%
Greenhib 679	Chemplex	Scale Inhibitor	Glycerine	56-81-5	35%	0.00385%
			Proprietary	Proprietary	35%	0.00385%
			Water	7732-18-5	30%	0.0033%
Clayplex 650	Chemplex	Clay Stabilizer	Water	7732-18-5	60%	0.05078%
			Ethanaminium 2 Hydroxy N	64-48-1	35%	0.02962%
Plexcide 15G	Chemplex	Biocide	Glutaraldehyde	111-30-8	14%	0.00325%
			Didecyl Dimethyl Ammonium Chloride	7173-51-5	3%	0.0007%
			Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	3%	0.0007%
			Ethanol	64-17-5	3%	0.0007%
Aceticplex 80	Chemplex	PH Control	Acetic Acid	64-19-7	80%	0.00279%
Plexaid TDS	Chemplex	PH Control	Diaminodiethylamine	111-40-0	90%	0.02538%
Plexslick 957	Chemplex	Friction Reducer	Petroleum Distillate	64742-47-8	20%	0.00312%
			Ammonium Chloride	12125-02-9	2%	0.00031%
			Oleic Acid	93-83-4	1.5%	0.00023%
			Diethanolamide			
			Alcoholis Ethoxylated	68551-12-2	1.5%	0.00023%
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		
Date: 3/28/2017						
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.