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

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

1. WELL API NO.: 30-025-40650
2. Well Name: ALASKA STATE #001
3. Well Number: 001
4. Surface Hole Location: Unit:K Lot:K Section:35 Township:18S Range:36E Feet from:2310 N/S Line:S Feet from:2310 E/W Line:W
5. Bottom Hole Location: Unit:K Lot:K Section:35 Township:18S Range:36E Feet from:2310 N/S Line:S Feet from:2310 E/W Line:W
6. latitude: 32.7031658233406 longitude: -103.326124307432
7. County: Lea

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: 11/2/2012 Frac Performed by: Elite Well Services LLC
12. Production Type: O
13. Pool Code(s): 2340
14. Gross Fractured Interval: 7,816 ft to 7,988 ft
15. True Vertical Depth (TVD): 999 ft
16. Total Volume of Fluid Pumped: 3,235 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	Water	7732-18-5	100%	80.87677%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	15.49352%
RCS (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	2.28679%
Ammonium Persulfate	Chemplex, LC	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0.0035%
Claymax	Chemplex, LC	Clay Stabalizer	Choline Chloride	67-48-1	62%	0.05365%
			Water	7732-18-5	38%	0.03289%
Greenhib 679	Chemplex, LC	Scale Inhibitor	Glycerine	56-81-5	35%	0.03957%
			Trade Secret	Trade Secret	35%	0.03957%
			Water	7732-18-5	50%	0.05653%
Plexbor 101	Chemplex, LC	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.01341%
			Potassium Metaborate	13709-94-9	30%	0.04027%
			Potassium Hydroxide	1310-58-3	5%	0.00671%
			Water	7732-18-5	75%	0.10069%
Plexbreaker 150	Chemplex, LC	Non-Emulsifier	Cocamide Diethanolamine Salt	68603-42-9	30%	0.02117%
			Diethanolamine	111-42-2	20%	0.01411%
			Methyl Alcohol	67-65-1	50%	0.03528%
			Trade Secret	Trade Scret	5%	0.00353%
Plexgel Breaker 10L	Chemplex LC	Gel Breaker	Mannanase Enzymes	Trade Secret	2%	0.00094%
			Sodium Chloride	7647-14-5	15%	0.00703%
			Water	7732-18-5	90%	0.04218%
Plexset 730	Chemplex, LC	Activator	Secondary Alchohol Ethoxylate	84133-50-6	60%	0.01253%
			Methyl Alcohol	67-56-1	50%	0.01044%
Plexsurf 240 E	Chemplex, LC	Surfactant	Methyl Alcohol	67-56-1	20%	0.01619%
			Alcohol Ethoxylate Surfactants	Trade Secret	20%	0.01619%
			Water	7732-18-5	80%	0.06475%
Plexgel 907 LE	PFP Technology	Polymer	Guar Gum	9000-30-0	50%	0.22592%
			Mineral Oil	64742-47-8	55%	0.24852%
			Bentonite Clay	14808-60-7	2%	0.00904%
			Surfactant	68439-51-0	2%	0.00904%

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: Deana Weaver Title: Production Clerk
Date: 11/5/2012
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.