

Submit within 45 days of well completion	<div>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</div>	Revised November 6, 2013				
		1. WELL API NO: 30-005-29215				
		2. Well Name: HUMBOLDT 15 STATE #001H				
		3. Well Number: 001H				
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>		4. Surface Hole Location: Unit:N Lot:N Section:15 Township:08S Range:32E Feet from:120 N/S Line:S Feet from:2200 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:15 Township:08S Range:32E Feet from:120 N/S Line:S Feet from:2200 E/W Line:W				
		6. Latitude: 33.613067 longitude: -103.659693				
		7. County: Chaves				
8. Operator Name and Address: ROCKCLIFF OPERATING NEW MEXICO LLC 1301 McKinney Suite 1300 Houston 77010		9. OGRID: 371115	10. Phone Number: 713-351-0549			
11. Last Fracture Date: 3/13/2017 Frac Performed by: Keane		12. Production Type: O				
13. Pool Code(s): 12049		14. Gross Fractured Interval: 4,218 ft to 8,727 ft				
15. True Vertical Depth (TVD): 4,197 ft		16. Total Volume of Fluid Pumped: 3,550,855 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	Marathon	Carrier/Base Fluid	Water	7732-18-5	100%	91.42472%
Sand (Proppant)	Keane	Proppant	Crystalline Silica, Quartz	14808-60-7	100%	7.89436%
15% HCL	Keane	Acid	Water	7732-18-5	85%	0.53609%
			Hydrochloric Acid	7647-01-0	15%	0.0946%
KAI-12	Keane	Acid Inhibitor	Methanol	67-56-1	90%	0.00043%
			Propan-2-ol	67-63-0	5%	2E-05%
			Prop-2-yn-1-ol	107-19-7	5%	2E-05%
			Xylene	1330-20-7	5%	2E-05%
			Fatty Imidazoline	61790-69-0	5%	2E-05%
			Alcohols, C7-9-iso-, C8-rich	68526-83-0	5%	2E-05%
			Ethylbenzene	100-41-4	1%	0%
KFEAC-30	Keane	Iron Control	Acetic Acid	64-19-7	60%	0.00079%
			Citric Acid	77-92-9	40%	0.00053%
KFR-12	Keane	Friction Reducer	Distillates (Petroleum), Hydrotreated Light	64742-47-8	45%	0.02073%
			Alcohols, C12-15-branched and linear, ethoxylated	120313-48-6	5%	0.0023%
KWBO-2	Keane	Breaker	Sodium Persulfate	7775-27-1	99%	0.00233%
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: Michal A Weesner		Title: Operations Analyst		
Date: 5/12/2017						
E-mail Address: mweesner@rockcliffenergy.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.