

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: 30-015-41429				
		2. Well Name: STATE GQ #004H				
		3. Well Number: 004H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:7 Township:25S Range:28E Feet from:200 N/S Line:N Feet from:1805 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:7 Township:25S Range:28E Feet from:200 N/S Line:N Feet from:1805 E/W Line:E				
		6. Iatituda: longitude: 32.1513764675993 - 104.124228091456				
		7. County: Eddy				
8. Operator Name and Address: LEGEND NATURAL GAS III LIMITED PARTNERSHIP 15021 Katy Freeway Suite 200 Houston 77094		9. OGRID: 258894	10. Phone Number: 281-644-5900			
11. Last Fracture Date: 8/26/2013 Frac Performed by: Sanjel		12. Production Type: O				
13. Pool Code(s): 30216		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 7,966 ft		16. Total Volume of Fluid Pumped: 2,436,676 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)
Base Fluid	Operator	Base Fluid	Water, other	7732-18-5	100%	85.79328%
Silica Sand	Sanjel	Proppant	Crystalline Silica, SiO2	14808-60-7	99.9%	11.79381%
1% Breaker O	Sanjel	Break Fluid	Ammoniun persulfate	7727-54-0	1%	0.0006%
7.5% HCl	Sanjel	Acid	Hydrogen Chloride Anhydrous	7647-01-0	40%	0.75146%
AI-7	Sanjel	Acid Inhibitor	Water	7732-18-5	95%	1.78471%
			Isopropanol	67-63-0	100%	0.00307%
			Polyoxyalkylenes	Proprietary	0%	0%
			Fatty acids	Proprietary	0%	0%
			Modified thiorea polymer	Proprietary	0%	0%
AQUCAR DB 20	Dow	Biocide	Propargyl alcohol	107-19-7	5%	0.00015%
			Polyethylene glycol	25322-68-3	54.5%	0.00758%
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	20%	0.00278%
			Dibromoacetonitrile	3252-43-5	3%	0.00042%
			Sodium bromide	7647-15-6	4%	0.00056%
BX-6L	Sanjel	Borate Crosslinker	Ethylene Glycol	107-21-1	30%	0.03897%
			Boric Acid, sodium salt	13840-56-7	10%	0.01299%
			Sodium Hydroxide	1310-73-2	5%	0.00649%
FRW-3	Sanjel	Friction reducer	Isoparaffinic Solvent	64742-47-8	40%	0.00608%
			Surfactant	68131-40-8	5%	0.00076%
NE-6	Sanjel	Non-emulsifier	Isopropal Alcohol	67-63-0	60%	0.04824%
			2-Ethylhexanol	104-76-7	5%	0.00402%
			Diethylenetriamine	111-40-0	5%	0.00402%
			Heavy Aromatic Solvent Naphtha	64742-94-5	5%	0.00402%
			Napthalene	91-20-3	1%	0.0008%
			Benzene 1-1-oxybis-, tetrapropylene	119345-03-8	10%	0.00804%
			Diethylenetriamine Alkylbenzene Sulfate	40139-72-8	30%	0.02412%
			SCC-1L	Sanjel	Clay Control	No hazardous ingredients
SCC-3L	Sanjel	Clay Control	Quaternary Compound	138879-94-4	60%	0.02268%
SI-16S	Sanjel	Scale Inhibitor	No hazardous ingredients	NA	100%	0.00848%
WG-2BL	Sanjel	Gellant	No hazardous ingredients	NA	100%	0.11912%
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: Jennifer M Mosley		Title: Regulatory Analyst		
Date: 11/19/2013						
E-mail Address: jmosley@lng2.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.