

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				
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>		1. WELL API NO: 30-025-42356				
		2. Well Name: IGLOO 19 STATE #001H				
		3. Well Number: 001H				
		4. Surface Hole Location: Unit:P Lot:P Section:19 Township:20S Range:35E Feet from:200 N/S Line:S Feet from:660 E/W Line:E				
5. Bottom Hole Location: Unit:P Lot:P Section:19 Township:20S Range:35E Feet from:200 N/S Line:S Feet from:660 E/W Line:E		6. latitude: longitude: 32.551936 -103.49018				
7. County: Lea						
8. Operator Name and Address: CAZA OPERATING, LLC 200 N LORAIN STE 1550 MIDLAND 79701		9. OGRID: 249099	10. Phone Number: 432-682-7424			
11. Last Fracture Date: 3/6/2017 Frac Performed by: Liberty Oilfield Service		12. Production Type: O				
13. Pool Code(s): 37580		14. Gross Fractured Interval: 11,203 ft to 15,380 ft				
15. True Vertical Depth (TVD): 10,825 ft		16. Total Volume of Fluid Pumped: 4,808,682 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	Operator	Carrier	Water	7732-18-5	100%	84.46634%
FRP-E3-8	Liberty Oilfield Services	Friction reduction	Distillates (petroleum), hydrotreated light	64742-47-8	45%	0.01121%
			Alcohols, C12-16, ethoxylated propoxylated	68213-24-1	5%	0.00125%
			Trade Secret	Proprietary	100%	0.09972%
CSA-23	Liberty Oilfield Services	Permanent clay stabilizer	2,2-dibromo-3-nitrilopropionamide	10222-01-2	10%	0.00224%
Bioclear 5000	Lubrizol	Biocide	Proprietary / Trade Secret	Proprietary	100%	0.4903%
SAFE-BFH	Liberty Oilfield Services	High pH Buffer	Ethylene glycol	107-21-1	55%	0.4343%
XLB-88	Liberty Oilfield Services	Crosslinker	Water	7732-18-5	75%	0.05922%
			Borate Salt	1303-96-4	30%	0.02369%
			Ammonium Persulfate	7727-54-0	75%	0.00293%
BLE-18	Liberty Oilfield Services	Gel Breaker	Acrylic Copolymer	Proprietary	20%	0.00079%
			Proprietary Ingredient	Proprietary	6%	24%
			Diethylene Glycol	112-34-5	5%	0.0002%
			Monobutyl Ether			
HCL-15	Liberty Oilfield Services	Solvent	Hydrochloric Acid	7647-01-0	15%	0.14188%
			Water	7732-18-5	85%	0.80401%
ACI-97	Liberty Oilfield Services	Corrosion Inhibitor	Ethylene glycol	107-21-1	40%	0.00074%
			Dipropylene glycol, monomethyl ether	34590-94-8	20%	0.00037%
			Ethoxylated alcohol	Proprietary	10%	0.00018%
			Formic acid	64-18-6	10%	0.00018%
			Tar bases, quinoline derivs., benzyl chloride-quaternized	72480-70-7	10%	0.00018%
			Cinnamaldehyde	104-55-2	10%	0.00018%
			Isopropyl alcohol	67-63-0	5%	9E-05%
ASF-67	Liberty Oilfield Services	Nonionic Non-Emulsifier	Methanol	67-56-1	50%	0.00038%
ICI-5L	Liberty Oilfield Services	Iron Sequestering Agent	Citric acid	77-92-9	60%	0.00121%
LGA-3J	Liberty Oilfield Services	Guar Slurry	Petroleum Distillates Blend	Proprietary	65%	0.03582%
PGA-4045	Liberty Oilfield Services	Guar	Guar Gum	9000-30-0	100%	0.10925%
Carbo Econoprop / Carbo Ceramics	Liberty Oilfield Services	Proppant	Silicon Dioxide (Amorphous as glass)	7631-86-9	35%	0.40162%
			Mullite	1302-93-8	85%	0.97537%
			Silica Crystalline-Cristbalite	14464-46-1	20%	0.2295%
ProLite and ShaleProp / Imerys	Liberty Oilfield Services	Proppant	Mullite	1302-93-8	70%	0.10069%
			Cristobalite	14464-46-1	30%	0.04315%
			Amorphous silica	7631-86-9	15%	0.02158%
Santrol RCS / Santrol	Liberty Oilfield Services	Proppant	Crystalline Silica (quartz)	14808-60-7	97%	11.99263%
			Phenol-Formaldehyde Novolak Resin	9003-35-4	5%	0.61818%
			Hexamethyleneteramine	100-97-0	1%	0.12364%
			Crystalline Silica in the form of Quartz	14808-60-7	99.9%	0.48441%
Crystalline Silica, Quartz / Unimin Corp	Liberty Oilfield Services	Sand				
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: Steve Morris Title: _____						
Date: 3/23/2017						
E-mail Address: steve.morris@mojoenergy.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.						