

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				
		1. WELL API NO. 30-015-40611				
		2. Well Name: MERAK 7 FEDERAL #005				
		3. Well Number: 005				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment	4. Surface Hole Location: Unit:N Lot:N Section:7 Township:17S Range:30E Feet from:990 N/S Line:S Feet from:1650 E/W Line:W					
	5. Bottom Hole Location: Unit:N Lot:N Section:7 Township:17S Range:30E Feet from:990 N/S Line:S Feet from:1650 E/W Line:W					
	6. Latitude: Longitude: 32.8446056962225 - 104.014263382899					
	7. County: Eddy					
8. Operator Name and Address: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld St Suite 600 Midland 79701		9. OGRID: 162683	10. Phone Number: 918-295-1763			
11. Last Fracture Date: 6/19/2013 Frac Performed by: Baker Hughes		12. Production Type: O				
13. Pool Code(s): 96718		14. Gross Fractured Interval: 4,320 ft to 4,922 ft				
15. True Vertical Depth (TVD): 4,922 ft		16. Total Volume of Fluid Pumped: 55,006 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	Operator	Carrier	Water	7732-18-5	100%	90.65104%
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00695%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Aliphatic Hydrocarbon	Proprietary	30%	0.06473%
			Oxyalkylated Alcohol	Proprietary	5%	0.01079%
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	7.9675%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.74167%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.06586%
			Mixture of Surfactants	Proprietary	50%	0.10976%
			Water	7732-18-5	30%	0.06586%
HCL 15%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	15%	0.00304%
Mud Acid 7.5%	Petroplex	Acid	Hydrochloric Acid	7647-01-0	7.5%	0%
ABF	Petroplex	Acid	Ammonium Hydrogen Fluoride	1341-49-7	95%	0%
			Ammonium Fluoride	12125-01-8	5%	0%
Cronox AK-50	Petroplex	Corrosion Inhibitor	Oxyalkylated Alkylphenol	Proprietary	30%	1E-05%
			Heavy Aromatic Naptha	64742-94-5	30%	1E-05%
			Isopropanol	67-63-0	30%	1E-05%
			Fatty Acids	Proprietary	10%	0%
			Complex Alkylaryl Polyo-Ester	Proprietary	10%	0%
			Tar Bases, Quinoline Derivatives, Benzyl Chloride-Quaternized	72480-70-7	10%	0%
			Formaldehyde	50-00-0	10%	0%
			Acetylenic Alcohol	Proprietary	5%	0%
			Propargyl Alcohol	107-19-7	5%	0%
			Napthalene	91-20-3	5%	0%
Citric Acid	Petroplex	Iron Control	Citric Acid	77-92-9	100%	0.00102%
EC9546A	Petroplex	Surfactant	Heavy Aromatic Naptha	64742-94-5	10%	0%
			Isopropanol	67-63-0	60%	2E-05%
			Polyethylene Glycol	25322-68-3	5%	0%
			Napthalene	91-20-3	1%	0%
			Phosphoric Acid Ester	Proprietary	10%	0%
			Oxyalkylated Alcohol	Proprietary	10%	0%
CIO2	Bosque	Biocide	Oxyalkylated Alkyl Alcohol	Proprietary	10%	0%
			Chlorine Dioxide	10049-04-4	100%	0.00028%
S-250N	Reef	Scale Inhibitor	Amino Methylene Phosphonic Acid Salt	68649-44-5	25%	0.00039%
			Methanol	67-56-1	25%	0.00039%
SIP-2250	Reef	Scale Inhibitor	Dihexylenetriamniepentakismethylenephosphonic Acid	35657-77-3	100%	0.00283%
Ingredients shown above are subject to 29 CFR 1910			Anionic Terpolymer	Trade Secret	0%	0.1295%
			EDTA	64-02-8	0%	0.0001%
			Inorganic Salt	7647-14-5	0%	0.0108%
			Oxyalkylated Fatty Acid Derivative	Trade Secret	0%	0.0108%
			Polyol Ester	Trade Secret	0%	0.0108%
Water	7732-18-5	0%	0.1295%			
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: Skipper Herring		Manager Stimulation		
Date: 7/17/2013				Title: Operations		
E-mail Address: sherring@cimarex.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.						