

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: 30-025-40483							
		2. Well Name: BUCK 20 FEDERAL #002H							
		3. Well Number: 002H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:20 Township:26S Range:32E Feet from:215 N/S Line:N Feet from:1760 E/W Line:E							
		5. Bottom Hole Location: Unit:B Lot:B Section:20 Township:26S Range:32E Feet from:215 N/S Line:N Feet from:1760 E/W Line:E							
		6. Latitude: 32.0349872129715 Longitude: - 103.694299756652							
		7. County: Lea							
8. Operator Name and Address: CONOCOPHILLIPS COMPANY 3401 E. 30th Street Farmington 87402		9. OGRID: 217817		10. Phone Number: 505-326-9518					
11. Last Fracture Date: 8/31/2012 Frac Performed by: Halliburton		12. Production Type: O							
13. Pool Code(s): 97838		14. Gross Fractured Interval: 9,664 ft to 13,347 ft							
15. True Vertical Depth (TVD): 9,228 ft		16. Total Volume of Fluid Pumped: 59,323 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)			
Brine Water	Operator				100%	93.88239%			
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.30641%			
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.85206%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.84543%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00134%			
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00259%			
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.00305%			
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00157%			
			Monoethanolamine borate	26038-87-9	100%	0.00524%			
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00069%			
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00015%			
			Ethanol	64-17-5	60%	0.00876%			
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00438%			
			Naphthalene	91-20-3	5%	0.00073%			
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00073%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00057%			
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00109%			
			Crystalline silica, quartz	14808-60-7	30%	0.00033%			
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00038%			
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.00271%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.05844%			
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00023%			
Ingredients Listed Below This Line Are Part of the			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo]-, trisodium salt	915-67-3	0%	0%			
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%			
			Amine Salts	Confidential Business Information	0%	0%			
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			Ammonium chloride	12125-02-9	0%	0%			
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%			
			Crystalline Silica, Quartz	14808-60-7	0%	0%			
			Cured Acrylic Resin	Confidential Business Information	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%			
			Polyacrylamide Copolymer	Confidential Business Information	0%	0%			
			Quaternary Amine	Confidential Business Information	0%	0%			
			Quaternary Amine	Confidential Business Information	0%	0%			
			Quaternary Amine	Confidential Business Information	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium chloride	7647-14-5	0%	0%			
			Sodium sulfate	7757-82-6	0%	0%			
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%			
			Surfactant Mixture	Confidential Business Information	0%	0%			
			Surfactant Mixture	Confidential Business Information	0%	0%			
			Tall oil acid diethanolamide	68155-20-4	0%	0%			
			Water	7732-18-5	0%	0%			
			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: <u>Signed Electronically</u>		Printed Name: <u>Ashley Martin</u>		Title: <u>Staff Regulatory Technician</u>		
			Date: <u>1/24/2013</u>						
			E-mail Address: <u>Ashley.Martin@conocophillips.com</u>						

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.