Energy, Minerals and Natural Resources 30-025-40835 2 will hame: WARHAWK 3 FEDERAL COM #001H 1220 S. St Francis Dr. Santa Fe, NM 87505 3 will hame: WARHAWK 3 FEDERAL COM #001H 3 will h	ruary 15, 2012	Revised Febru		(÷		ICO	of New Mex	State	ompletion		
Await Name and Address 10 Awa		1. WELL API NO. 30-025-40635					En				
## 1220 S. St Francis Dr. Santa Fe, NM 87505											
New Number		WARHAWK 3 FEDERAL COM #001H 3. Well Number:									
HYDRAULIC FRACTURING FLUID											
DISCLOSURE						Santa Fe, NM 87505					
S. Oderion Hote Locations:	Range:32E	Unit:D Lot:D Section:3 Township:19S Range:32E						LUID	ACTURING F		
Amendment		/W Line:W								⊠ Original	
8. Operator Name and Address:	Range:32E	Unit:A Lot: Section:3 Township:19S Range:32E Feet from:355 N/S Line:N Feet from:333 E/W Line:E 6. latitude: longitude:								And the second second	
8. Operator Name and Address: COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701 11. Last Fracture Date: 11. Last Practure Date: 12. Production Type: 0 13. Pool Code(ii): 14. Gross Fractured Interval: 9,650 ftt 0 13,907 ft 15. True Vertical Depth (TVD): 9,485 ft 17. HYDRAULC FLUID COMPOSITION AND CONCENTRATION: Trade Name Supplier Purpose Ingredients (CAS #) Chemical Abstract Service # Maximum Ingredient Concentration in Additive (% by mass) 100% FFE ACID - <10% HCL Hallibutton Hydrochloric acid FRE-ACID - <10% HCL Hallibutton Hydrochloric acid FRE-ACID - <10% HCL Hallibutton Hydrochloric acid FRE-ACID - Home Number: 432 9. OGRID: 12. Production Type: 14. Gross Fractured Interval: 9,650 ftt to 13,907 ft Hallibutton Hydrochloric acid FRE-ACID - Home Number: 15. Sent-actured Interval: 9,650 ftt to 13,907 ft Hallibutton Hydrochloric acid FRE-ACID - Home Number: 16. Sent-actured Interval: 9,650 ftt to 13,907 ft Hallibutton Hydrochloric acid FRE-ACID - Home Number: 16. Sent-actured Interval: 9,650 ftt to 13,907 ft Hallibutton Hydrochloric acid FRE-ACID - Home Naximum Ingredient Concentration in Additive (% by mass) Hydrochloric acid FRE-ACID - Home Naximum Ingredient Concentration in Additive (% by mass) Hydrochloric acid FRE-ACID - Home Naximum Ingredient Concentration in Additive (% by mass) Hydrochloric acid FRE-ACID - Home Naximum Ingredient Concentration in Additive (% by mass) Hydrochloric acid FRE-ACID - Home Naximum Ingredient Concentration in Additive (% by mass) Hydrochloric acid FRE-ACID - Home Naximum Ingredient Concentration in Addit	9218	32.6945424757385 - 103.762151349218									
8. Operator Name and Address:				-							
COG OPERATING LLC One Concho Center 600 W. Illinois Ave Midland 79701											
13. Pool Code(s): 41442 15. True Vertical Depth (TVD): 9,485 ft 17. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION: 18. CAS #J Chemical Abstract Concentration in Additive	2-685-4332	per: 432-i	10. Phone Numb						ır	COG OPERATING L One Concho Cente 600 W. Illinois Ave Midland 79701	
13. Pool Code(s)			n Type:					by: Halliburton	2013 Frac Performed	11. Last Fracture Date: 8/23/2	
16. True Vertical Depth (TVD):			Y		14. Gross Fra						
Trade Name Supplier Purpose Ingredients (CAS #) Chemical Abstract Service # Maximum Ingredict Concentration in Additive (% by mass) Maximum Ingredict Concentration in Industry (% by mass) Fresh Water Operator 100% FE ACID - 410% HCL Halliburton 100% Premium White 20/40 Halliburton 100% CRC-20/40 Halliburton 100% LOSURF-360 Halliburton 50dium chloride 7647-14-5 30% Cla-Web™ Halliburton Breaker Sodium chloride 7647-14-5 30% Cla-Web™ Halliburton Additive Ammonium salt Confidential Business information 10% BE-9 Halliburton Biocide Tributyl tetradecyl phosphonium chloride 81741-28-8 10% SUPERSET W Halliburton Activator Methanol 67-56-1 60% BC-140 X2 Halliburton Initiator Ethylene glycol 107-21-1 30% MO-67 Halliburton pH Control Additive Sodium hydroxide 1310-73-2 30% C	ime of Fluid Pumped:				ertical Depth (TVD): 16. Total Vol					15. True Vertical Depth (TVD):	
Service # Concentration in Additive (% by mass) Concentration in mass							TION:	ND CONCENTRA	COMPOSITION A	The Control of the Co	
Fresh Water		Maximum Ingredie Concentration in H mass)		Concentration in	al Abstract		Ingredients	Purpose	Supplier	Trade Name	
Premium White 20/40	84.32098%		100%		1113/10/11	111111111111			Operator		
CRC-20/40 Halliburton 100% LOSURF-360 Halliburton 100% HPH BREAKER Halliburton Breaker Sodium chloride 7647-14-5 30% Cla-Web™ Halliburton Additive Ammonium salt Confidential Business Information 60% BE-9 Halliburton Biocide Tributyl tetradecyl phosphonium chloride 81741-28-8 10% SUPERSET W Halliburton Activator Methanol 67-56-1 60% BC-140 X2 Halliburton Initiator Ethylene glycol 107-21-1 30% MO-67 Halliburton pH Control Additive Sodium hydroxide 1310-73-2 30% CLA-STA XP ADDITIVE Halliburton Clay Stabilizer Polyepichlorohydrin, trimethyl amine quaternized 51838-31-4 60% 3rd Party Scale Inhibitor Operator *3rd Party Additive *Supplied by Operator 100% WG-36 GELLING AGENT Halliburton Gelling Agent Guar gum 9000-30-0 100% OPTIFLO-HTE Halliburton Breaker <td< td=""><td>0.21097%</td><td></td><td colspan="2"></td><td></td><td>7647-01-0</td><td>Hydrochloric acid</td><td></td><td></td><td></td></td<>	0.21097%					7647-01-0	Hydrochloric acid				
LOSURF-360	10.69991% 2.50842%							1			
HpH BREAKER Halliburton Breaker Sodium chloride 7647-14-5 30% Cla-Web™ Halliburton Additive Ammonium salt Confidential Business Information 60% BE-9 Halliburton Biocide Tributyl tetradecyl phosphonium chloride 81741-28-8 10% SUPERSET W Halliburton Activator Methanol 67-56-1 60% Ethoxylated consplement information Confidential Business information 60% 60% BC-140 X2 Halliburton Initiator Ethylene glycol 107-21-1 30% MO-67 Halliburton pH Control Additive Sodium hydroxide 1310-73-2 30% MC-ASTA XP ADDITIVE Halliburton Clay Stabilizer Polyepichlorohydrin, trimethyl amine quaternized 51838-31-4 60% 3rd Party Scale Inhibitor Operator *3rd Party Additive *Supplied by Operator 100% WG-36 GELLING AGENT Halliburton Gelling Agent Guar gum 9000-30-0 100% OPTIFLO-HTE Halliburton Breaker Crystalline silica,	0%										
BE-9	0.0001%					7647-14-5	Sodium chloride	Breaker		A STATE OF THE PARTY OF THE PAR	
Description	0.02819%					Ammonium salt					
Ethoxylated nonylphenol Ethoxylated nonylphenol Information Ethylene glycol 107-21-1 30%	0.00403%					81741-28-8	phosphonium	Biocide	Halliburton	BE-9	
None	0.02464%							Activator	Halliburton	SUPERSET W	
BC-140 X2 Halliburton Initiator Ethylene glycol Monoethanolamine borate 107-21-1 30% MO-67 Halliburton pH Control Additive Sodium hydroxide 1310-73-2 30% CLA-STA XP ADDITIVE Halliburton Clay Stabilizer Polyepichlorohydrin, trimethyl amine quaternized 51838-31-4 60% 3rd Party Scale Inhibitor Operator *3rd Party Additive Operator *Supplied by Operator 100% WG-36 GELLING AGENT Halliburton Gelling Agent Guar gum 9000-30-0 100% OPTIFLO-HTE Halliburton Breaker Crystalline silica, 14808-60-7 30%	0.02464%		60%		Business		Company of the Compan	0.00			
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CLA-STA XP ADDITIVE Halliburton Clay Stabilizer Polyepichlorohydrin, trimethyl amine quaternized 3rd Party Scale Inhibitor Operator *3rd Party Additive Supplied by Operator Operator Guar gum 9000-30-0 100% WG-36 GELLING AGENT Halliburton Gelling Agent Guar gum 9000-30-0 100% OPTIFLO-HTE Halliburton Breaker Crystalline silica, 14808-60-7 30%	0.00203%		200/			1210 72 0		nl Control Additive	Halliburtan	MO 67	
3rd Party Scale Inhibitor Operator *3rd Party Additive Operator *Supplied by Operator 100% WG-36 GELLING AGENT Halliburton Gelling Agent Guar gum 9000-30-0 100% OPTIFLO-HTE Halliburton Breaker Crystalline silica, 14808-60-7 30%	0.00203%						Polyepichlorohydrin, trimethyl amine				
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	0.13706%			v.	Charles and the control of the contr		Guar gum				
	0.00164%		10000				quartz	Breaker	Halliburton	OPTIFLO-HTE	
Walnut hulls Mixture 100% Scale Preventer Classy calcium 65007-17-2	0.00548%		100% 5997-17-3				Scale Proventer	Halliburton	Scalachak® COD O Cools		
Scalechek® SCP-2 Scale Halliburton Scale Preventer Glassy calcium magnesium phosphate 65997-17-3 100%	0.02077%	100%			65997-17-3	magnesium	Scale Preventer	Halliburton			
3rd Party Corrosion Inhibitor Operator *3rd Party Additive *Supplied by Operator *3rd Party Additive *Operator *3rd Party Additive *Supplied by Operator *3rd Party Additive *3r	0.02077%		100%				*Supplied by Operator		1-5/200 mass		
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.			Tb		edge and belie	best of my knowle				24 - 25	
Signature: Signed Electronically Printed Name: Kacie Connally Title: Permitting Tech Date: 10/3/2013 Title: Permitting Tech			j i ech	Title: <u>Permitting</u>			naliy	rinted Name: Kacle Con		Taraba and the same of the sam	

E-mail Address: kconnally@concho.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.