	ompletion	State	e of New Mex	ico				Revised November 6, 201
	<u> </u>	STREET,				1. WELL API NO.		
	Energy, Minerals and Natural Resource					30-015-40625		
		Oil Cor	servation Di	vision		2. Well Name:	110000000000000000000000000000000000000	NAMES AND ADDRESS OF THE PARTY
1220 S. St Francis Dr.						DODD FEDERAL UNIT #910H 3. Well Number: 910H		
	Santa Fe, NM 87505							
HYDRAULIC FR	ACTURING	FLUID				4. Surface Hole L		
	ACTORNIC	LOID				Unit:E Lot:E Feet from: 1775		Fownship:17S Range:29E
DISCLOSURE						Feet from: 85		E/W Line:W
Original						5. Bottom Hole L	ocation:	pasts 1000
□ Amendment						Unit:H Lot:H Feet from: 1762		Township:17S Range:29E
						Feet from:353 6. latitude:	E	E/W Line:E longitude:
						A CONTRACTOR OF THE PROPERTY O	515737971534	
						7 County		104.053791006753
						7. County: Eddy		
 Operator Name and Address: COG OPERATING One Concho Cente 600 W. Illinois Ave Midland 79701 					9. OGRID:	229137	10. Phone Numl	ber: 432-685-4332
	2013 Frac Perform	ed by: Halliburton			12. Productio			
13. Pool Code(s): 97917						ss Fractured Interval: 4,910 ft to 9,180 ft		
97917			15. True Vertical Depth (TVD):					
15. True Vertical Depth (TVD):					16. Total Vol	ume of Fluid Pump	oed:	
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wat N/A	•				16. Total Vol 2,0 18. Percent o	ume of Fluid Pump 041,234 gals f Re-Use Water in F ot Disclosed		
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID	COMPOSITION				16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in F of Disclosed	Fluid Pumped:	
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID	•	N AND CONCENTRA	ATION:	(CAS #) Chemic Service #	16. Total Vol 2,1 18. Percent o No	041,234 gals f Re-Use Water in F	Fluid Pumped:	Maximum Ingredient Concentration in HF Fluid (% I mass)
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Frade Name	COMPOSITION Supplier		Ingredients	Service #	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	Fluid Pumped: lient Additive (% by	Concentration in HF Fluid (% I mass) 84.898
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30%	COMPOSITION Supplier Operator Halliburton				16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30%	Concentration in HF Fluid (% I mass) 84.898 0.52636
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh	COMPOSITION Supplier Operator Halliburton		Ingredients	Service #	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by	Concentration in HF Fluid (% I mass) 84.8989 0.526369 0.247569
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton		Ingredients	Service #	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30%	Concentration in HF Fluid (% I mass) 84.8989 0.526369 0.247569 10.702639
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton	Purpose	Hydrochloric acid	7647-01-0	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 100%	Concentration in HF Fluid (% I mass) 84.8986 0.526369 0.247569 10.702639 2.095149
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton Halliburton	Purpose Breaker	Hydrochloric acid Sodium chloride	7647-01-0 7647-14-5	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 100% 30%	Concentration in HF Fluid (% I mass) 84.898' 0.52636' 0.24756' 10.70263' 2.09514' 0.00014'
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton	Purpose	Hydrochloric acid Hydrochloric acid Sodium chloride Sodium hydroxide	7647-01-0 7647-14-5 1310-73-2	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 100%	Concentration in HF Fluid (% I mass) 84.898' 0.52636' 0.24756' 10.70263' 2.09514' 0.00014' 0.001019
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7TM	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton Halliburton	Purpose Breaker	Hydrochloric acid Sodium chloride	7647-01-0 7647-14-5	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 100% 30% 2%	Concentration in HF Fluid (% I mass) 84.898' 0.52636' 0.24756' 10.70263' 2.09514' 0.00014'
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7™ LOSURF-360W	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Purpose Breaker	Hydrochloric acid Hydrochloric acid Sodium chloride Sodium hydroxide	7647-01-0 7647-14-5 1310-73-2	16. Total Vol 2,1 18. Percent o No	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	Fluid Pumped: lient Additive (% by 100% 100% 100% 100% 20% 30% 30%	Concentration in HF Fluid (% I mass) 84.8986 0.526369 0.247566 10.702638 2.095149 0.000141 0.001019 0.01526
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7™ LOSURF-360W	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Purpose Breaker Blocide	Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential E	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	Fluid Pumped: Ilient Additive (% by 100% 100% 100% 100% 30% 2% 30% 100%	Concentration in HF Fluid (% I mass) 84.898 0.52636 0.24756 10.70263 2.09514 0.000101 0.0152 0.0152 0.020533
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7TM LOSURF-360W SUPERSET W	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Breaker Biocide Activator	Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential E	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 30% 20% 30% 60%	Concentration in HF Fluid (% I mass) 84.8989 0.526369 0.247569 10.702639 2.095149 0.000149 0.001019 0.01529 0.020539
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7TM LOSURF-360W SUPERSET W	COMPOSITION Supplier Operator Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton Halliburton	Purpose Breaker Blocide	Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol Ethylene glycol Monoethanolamine	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential E	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 100% 20% 30% 100% 60%	Concentration in HF Fluid (% I mass) 84.898 0.52636 0.24756 10.70263 2.09514 0.000101 0.0152 0.0152 0.020533
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7™ LOSURF-360W SUPERSET W	COMPOSITION Supplier Operator Halliburton	Breaker Biocide Activator	Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol Ethylene glycol	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential EInformation 107-21-1	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	Fluid Pumped: Ilient Additive (% by 100% 30% 100% 100% 30% 30% 20% 30% 60% 60% 30% 100%	Concentration in HF Fluid (% I mass) 84.8988 0.526369 0.247569 10.7026349 0.000149 0.001019 0.01529 0.020538 0.020538 0.01699 0.056349
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7™ _OSURF-360W SUPERSET W BC-140 X2	COMPOSITION Supplier Operator Halliburton	Breaker Biocide Activator	Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol Ethylene glycol Monoethanolamine borate	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential EInformation 107-21-1	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 100% 30% 2% 30% 60% 60%	Concentration in HF Fluid (% I mass) 84.898 0.52636 0.24756 10.70263 2.09514 0.00101 0.0152 0.020533 0.020533 0.01699 0.056349
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HPH BREAKER 3BE-7TM OSURF-360W SUPERSET W CAT-106SI (TP) N/G-36 GELLING AGENT	COMPOSITION Supplier Operator Halliburton	Breaker Biocide Activator	Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol Ethylene glycol Monoethanolamine	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential Elnformation 107-21-1 26038-87-9	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 30% 100% 100% 30% 60% 60% 100% 100%	Concentration in HF Fluid (% I mass) 84.8988 0.526369 0.247569 10.7026349 0.000149 0.001019 0.01529 0.020538 0.020538 0.01699 0.056349
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7™ COSURF-360W SUPERSET W CAT-106SI (TP) WG-36 GELLING AGENT BE-6 MICROBIOCIDE	COMPOSITION Supplier Operator Halliburton	Breaker Biocide Activator Initiator Gelling Agent	Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol Ethylene glycol Monoethanolamine borate Guar gum 2-Bromo-2-nitro-1,3-	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential Elinformation 107-21-1 26038-87-9	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	lient Additive (% by 100% 100% 100% 20% 30% 100% 60% 60% 100% 100% 100% 100% 100%	Concentration in HF Fluid (% I mass) 84.898* 0.52636* 0.24756* 10.70263* 2.09514* 0.00014* 0.00101* 0.0152* 0.02053* 0.02053* 0.02634* 0.01569* 0.05634*
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate N/A 19. HYDRAULIC FLUID Trade Name Fresh Water HYDROCHLORIC ACID 10- 30% 100 Mesh Premium Brown 20/40 CRC 16/30 HpH BREAKER BE-7™ LOSURF-360W SUPERSET W BC-140 X2 CAT-106SI (TP) WG-36 GELLING AGENT BE-6 MICROBIOCIDE DPTIFLO-HTE	COMPOSITION Supplier Operator Halliburton	Breaker Biocide Activator Initiator Gelling Agent Biocide Breaker	Ingredients Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol Ethylene glycol Monoethanolamine borate Guar gum 2-Bromo-2-nitro-1,3- propanediol Crystalline silica,	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential Elnformation 107-21-1 26038-87-9 9000-30-0 52-51-7 14808-60-7 Mixture	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	Fluid Pumped: Section Color Color	Concentration in HF Fluid (% I mass) 84.898* 0.52636* 0.24756* 10.70263* 2.09514* 0.00014* 0.00101* 0.0152* 0.02053* 0.02053* 0.0169* 0.05634* 0.013962* 0.0015* 0.00131*
15. True Vertical Depth (TVD): 4,676 ft 17. Total Volume of Re-Use Wate	COMPOSITION Supplier Operator Halliburton	Breaker Biocide Activator Initiator Gelling Agent Biocide	Ingredients Hydrochloric acid Sodium chloride Sodium hydroxide Sodium hydroxide Sodium hypochlorite Methanol Ethoxylated nonylphenol Ethylene glycol Monoethanolamine borate Guar gum 2-Bromo-2-nitro-1,3- propanediol Crystalline silica, quartz	7647-01-0 7647-14-5 1310-73-2 7681-52-9 67-56-1 Confidential Enformation 107-21-1 26038-87-9 9000-30-0 52-51-7 14808-60-7	18. Total Vol 2,1 18. Percent o No cal Abstract	041,234 gals of Re-Use Water in Fot Disclosed Maximum Ingred Concentration in	Fluid Pumped: Ilient Additive (% by 100% 30% 100% 100% 30% 20% 30% 60% 60% 100% 100% 100% 100% 30% 30% 30% 30% 30% 30%	Concentration in HF Fluid (% I mass) 84.8988 0.526369 0.247569 10.702638 2.095149 0.001019 0.01529 0.020539 0.01699 0.056344 0.00159 0.0139629 0.00159

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