Renergy, Minerals and Natural Resources 2016 Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505 3. Well Number: 0.002 3. We	Submit within 45 da	ays of	State of New Mexico				Revised February 15, 2012				
Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	well completion						The state of the s				
CONDOCO 8 STATE ## ## ## ## ## ## ## ## ## ## ## ## ##			Natural Resources Oil Conservation Division				Control Transaction				
HYDRAULIC FRACTURING FLUID DISCLOSURE		CONOCO 8 STATE #002									
Notinity County							002				
Amendment	HYDRAULIC FRACTURING FLUID DISCLOSURE										
Units Lots Sections Township Table Rest from 2310 No St Line S Feet from 2310 No St Line S Feet from 1650 EVY Line E 104.093821254963 7. County Eddy Township							Feet from:2310 N/S Line:S				
Feet from 2310	□ Amendmer	nt									
S. Operator Name and Address:	Amendmen						Feet from:2	310 N/S	Line	:S	
S. Operator Name and Address:							6. latitude: longitude:				
8. Operator Name and Address: COG OPERATING LLC 550 W TEXAS SUITE 1300 MIDLAND 79701 11. Last Fracture Date: 4/1/2012 Fao Performed by: Halliburton O 13. Pool Code(s): 96610 15. True Vertical Depth (TVD: 5,410 t 17. HYDRAULC FLUID COMPOSITION AND CONCENTRATION: Trade Name Supplier Purpose Ingredients Additive (by mass) HCL Acid Halliburton O CRC 16/30 Halliburton BE-7™ Halliburton Initiator Ethylene glycol Noncettanolate Nomorethanolamic BC-140 X2 Halliburton BID-140 X2 Halliburton BID-140 X2 Halliburton BID-140 X2 Halliburton Surfactant LoSurf-300D Halliburton Surfactant Surfactant Initiator Ethylene glycol Noncettanolamic Portocate Noncettanolamic Portocate Noncettanolamic Portocate Noncettanolamic Noncettanolamic Portocate Noncettanolamic Surfactant Initiator Initiator Surfactant Initiator Initiator Initiator Surfactant Initiator Initiator Initiator Surfactant Initiator Initiator Surfactant Initiator Initi							3	2.84825955524		- 104.093821254863	
S. Operator Name and Address: COG OPERATING LLC 229137				The state of the s							
COG OPERATING LLC 550 W TEXAS SUITE 1300 MIDLAND 79701 11. Last Fracture Date: 4/1/2012 Frac Performed by: Halliburton 12. Production Type:											
11. Last Fracture Date:											
MIDLAND 79701	550 W TEXAS										
11. List Fracture Date: 4/1/2012 Frac Performed by: Halliburton 12. Production Type: 0 14. Gross Fractured Interval: 3,950 ft to 5,160 ft 15. True Vertical Depth (TVD): 5,410 ft 16. Total Volume of Fluid Pumped: 11,571 bbls 11,571	1 TO	7.7.2.2									
13. Pool Code(s): 96610 14. Gross Fractured Interval: 3,950 ft to 5,160 ft											
15. True Vertical Depth (TVD):	13. Pool Code(s):										
11,571 bbls	/ F. F. F. F. F.										
Purpose											
Presh Water						1000		I			
Fresh Water Operator	Trade Name	Supplie	r	Purpose	Ingredients	Abstra		Concentration in		Ingredient Concentration in HF	
Ottawa 16/30 Halliburton 0% 0% CRC 16/30 Halliburton 0% 0% BE-7™ Halliburton Biocide Sodium hydroxide 1310-73-2 2% 0.00072% BC-140 X2 Halliburton Initiator Ethylene glycol 107-21-1 30% 0.02044% BC-140 X2 Halliburton Breaker Sodium chloride 107-21-1 30% 0.02044% HpH BREAKER Halliburton Breaker Sodium chloride 7647-14-5 30% 0.0023% LoSurf-300D Halliburton Surfactant 1,24 95-63-6 1% 0.00023% LoSurf-300D Halliburton Surfactant 1,24 95-63-6 1% 0.00023% Heavy aromatic petroleum naphtha 64-17-5 60% 0.05656% 0.02828% Heavy aromatic petroleum naphtha 127087-87-0 5% 0.00471% Naphthalene P-20-3 5% 0.00471% Poly(oxy-1,2-ethanedyl), alpha-(4-nonlyphenyl)-omega-hydroxy-petrolyphenyl)-omega-hydroxy-petrolyphenyl-omega-hydroxy-petrolyphenyl-omega-h	Fresh Water	Operat	or	1				10	0%		
Record											
BE-7™		_		-							
BC-140 X2				Biocide	Sodium hydroxide	1310-	-73-2				
Monoethanolamine borate 26038-87-9 100% 0.06812%											
HpH BREAKER Halliburton Breaker Sodium chloride 7647-14-5 30% 0.00023%	BC-140 X2	Hallibu	ırton	Initiator					_		
LoSurf-300D		1				2003	5-87-9	10	10%	0.06812%	
Trimethylbenzene Ethanol 64-17-5 60% 0.05656%					_				_		
Ethanol 64-17-5 60% 0.05656% Heavy aromatic petroleum naphtha Naphthalene Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy-, branched Poly(oxy-1,2-ethanediyl),alpha-(4-	LoSurf-300D	Hallibu	irton	Surfactant		95-63	3-6		1%	0.00094%	
Petroleum naphtha Naphthalene 91-20-3 5% 0.00471%		-		0	Ethanol	64-17	'-5	6	0%	0.05656%	
Naphthalene							2-94-5	3	0%	0.02828%	
Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy-, branched SUPERSET W Halliburton Activator Methanol 67-56-1 60% 0.03231%						91-20-3 127087-87-0			5%	0.00471%	
CAT-106SI								1	5%	0.00471%	
SUPERSET W Halliburton Activator Methanol 67-56-1 60% 0.03231%											
SUPERSET W Halliburton Activator Methanol 67-56-1 60% 0.03231% CAT-106SI Nonylphenol Business Information 0% 0% OPTIFLO-HTE Halliburton Breaker Crystalline silica, quartz 14808-60-7 30% 0.00152% K-35 Halliburton Buffer Sodium carbonate 497-19-8 100% 0.00103% WG-36 GELLING AGENT Agent Guar gum 9000-30-0 100% 0.14486% 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: Date: Signed Electronically Printed Name: Chasity Jackson Title: Regulatory Analyst					omega-hydroxy-,						
Ethoxylated Nonylphenol Business Information CAT-106SI OPTIFLO-HTE Halliburton Breaker Crystalline silica, quartz Walnut hulls Mixture 100% 0.00507% 0.00103% 0.001	SLIPERSET W	Hallihi	ırton	Activator		67-56	i_1	6	0%	0.03231%	
CAT-106S OPTIFLO-HTE	OOI EROET W	Tiambo	Ethoxylate			_					
OPTIFLO-HTE Halliburton Breaker Crystalline silica, quartz Walnut hulls Mixture 100% 0.00507% K-35 Halliburton Buffer Sodium carbonate 497-19-8 100% 0.00103% WG-36 GELLING Halliburton Gelling Agent 9000-30-0 100% 0.14486% AGENT Agent Printed Name: Chasity Jackson Title: Regulatory Analyst Date: 5/19/2012					Nonylphenol	5 3 5 47 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15		2000 (2002) 200	
K-35 Halliburton Buffer Sodium carbonate 497-19-8 100% 0.00507% WG-36 GELLING Halliburton Gelling Agent 9000-30-0 100% 0.14486% 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: Chasity Jackson Title: Regulatory Analyst Date: 5/19/2012		I I - III -		Deselves	Ot-liiiii	1/19/19/ 60 7					
K-35 Halliburton Buffer Sodium carbonate 497-19-8 100% 0.00103% WG-36 GELLING Halliburton Gelling Guar gum 9000-30-0 100% 0.14486% AGENT 8. 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: Chasity Jackson Title: Regulatory Analyst Date: 5/19/2012	OPTIFLO-HTE	Hallibu	irton	Breaker	quartz						
WG-36 GELLING Halliburton Gelling Agent 9000-30-0 100% 0.14486% AGENT 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: Chasity Jackson Title: Regulatory Analyst Date: 5/19/2012	V 25	Halliba		Duffer							
AGENT Agent 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: Chasity Jackson Title: Regulatory Analyst Date: 5/19/2012											
Signature: Signed Electronically Printed Name: Chasity Jackson Title: Regulatory Analyst Date: 5/19/2012	AGENT			Agent							
Date: 5/19/2012	18. I, as Operator, h	ereby certi	ify that	the informatio	n shown on this disclosure	form is	true and con	plete to the best of	f my	knowledge and belief.	
0/10/20/12	10 DESERTED (0.000)			nically	Printed Name:	Chasi	ty Jackson	Title: R	egul	atory Analyst	
VINETUR VILLE VALUE VALU	7.			choresource	s.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.