

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 November 6, 2013 1. WELL API NO: 30-025-41542 2. Well Name: KING TUT FEDERAL #001H 3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:D Section:30 Township:24S Range:32E Feet from:190 N/S Line:N Feet from:330 E/W Line:W 5. Bottom Hole Location: Unit:M Lot:4 Section:31 Township:24S Range:32E Feet from:367 N/S Line:S Feet from:382 E/W Line:W 6. latitude: longitude: 32.1950390073808 -103.72192372013 7. County: Lea				
8. Operator Name and Address: COG PRODUCTION, LLC 600 W. Illinois Ave Midland 79701 9. OGRID: 217955 10. Phone Number: 432-685-4372						
11. Last Fracture Date: 1/10/2015 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 96629		14. Gross Fractured Interval: 8,596 ft to 17,990 ft				
15. True Vertical Depth (TVD): 8,397 ft		16. Total Volume of Fluid Pumped: 767,507 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. 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)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	85.70113%
FE Acid < 10%	Halliburton				100%	2.998%
SAND - PREMIUM BROWN	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	7.49769%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.2133%
			Hexamethylenetetramine	100-97-0	2%	0.06427%
			Phenol / formaldehyde resin	9003-35-4	5%	0.16066%
LOSURF-360	Halliburton	Surfactant	Complex Alkylamine	100545-50-4	5%	0.00215%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-omega-hydroxy-	61827-42-7	30%	0.01287%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00414%
Cla-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.02804%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.04886%
			Ethoxylated nonylphenol	Confidential	60%	0.04886%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00011%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.01043%
Scalechek(R) LP-65 Scale Inhibitor	Halliburton	Scale Inhibitor	Ammonium chloride	12125-02-9	10%	0.0024%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02281%
			Monoethanolamine borate	26038-87-9	100%	0.07604%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00274%
			Walnut hulls	Mixture	100%	0.00914%
Scalechek(R) SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02678%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.2237%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2834-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			Alkane	Confidential	0%	0%
			Amine salts	Confidential	0%	0%
			Amine salts	Confidential	0%	0%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured acrylic resin	Confidential	0%	0%
			Cured acrylic resin	Confidential	0%	0%
			Enzyme	Confidential	0%	0%
			Enzyme	Confidential	0%	0%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Formaldehyde	50-00-0	0%	0%
			Organic phosphonate	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Quaternary amine	Confidential	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Surfactant mixture	Confidential	0%	0%
			Surfactant mixture	Confidential	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	0%	0%
20. 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: Stormi Davis		Senior Regulatory Title: Analyst		
Date: 2/10/2015						
E-mail Address: sdavis@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.