

**State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505**

1. WELL API NO: 30-015-42826

2. Well Name: SCREECH OWL FEDERAL #002H

3. Well Number: 002H

**HYDRAULIC FRACTURING FLUID DISCLOSURE**  
 Original  
 Amendment

4. Surface Hole Location:  
Unit: C Lot: C Section: 19 Township: 26S Range: 27E  
Feet from: 50 N/S Line: N  
Feet from: 1550 E/W Line: W

5. Bottom Hole Location:  
Unit: N Lot: N Section: 30 Township: 26S Range: 27E  
Feet from: 341 N/S Line: S  
Feet from: 1901 E/W Line: W

6. latitude: 32.0350153718113 longitude: -104.232761533646

7. County: Eddy

8. Operator Name and Address: COG OPERATING LLC  
One Concho Center  
600 W. Illinois Ave  
Midland 79701

9. OGRID: 229137

10. Phone Number: 432-685-4332

11. Last Fracture Date: 8/15/2015 Frac Performed by: Halliburton

12. Production Type: O

13. Pool Code(s): 64010

14. Gross Fractured Interval: 7,700 ft to 17,365 ft

15. True Vertical Depth (TVD): 7,514 ft

16. Total Volume of Fluid Pumped: 12,004,306 gals

17. Total Volume of Re-Use Water Pumped: N/A

18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed

**10. 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%	14.32473%
			Fresh Water	7732-18-5	100%	71.44405%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BC-140 X2, BE-6 MICROBIOCIDES, BE-9, CLA-STA XP-ADD	Halliburton	Additive, Biocide, Breaker, Clay Stabilizer, Clay Stabilizer, Corrosion Inhibitor, Defoamer, Friction	NA	NA	0%	0%
NA	Halliburton	pH Control Additive, Proppant, Surfactant	NA	NA	0%	0%
Scaletrol 720	Baker Hughes	Scale Inhibitor	NA	NA	0%	0%
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0.1%	2E-05%
			2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	2E-05%
			Alcohols ethoxylated	Confidential	5%	4E-05%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00074%
			Alkane	Confidential	1%	0.00043%
			Alkenes	Confidential	100%	0.00585%
			Amide	Confidential	5%	4E-05%
			Amine salts	Confidential	0.1%	9E-05%
			Ammonium chloride	12125-02-9	5%	4E-05%
			Ammonium salt	Confidential	60%	0.0273%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00657%
			C.I. Pigment Red 5	6410-41-9	1%	2E-05%
			Calcium chloride	10043-52-4	5%	0.00127%
			Complex alkylamine	Proprietary	5%	0.00217%
			Crystalline silica, quartz	14809-60-7	100%	12.45975%
			Crystalline Silica, Quartz	14809-60-7	0.1%	0.00013%
			Cured acrylic resin	Confidential	30%	0.00076%
			Enzyme	Confidential	5%	0.00012%
			Ethylene glycol	107-21-1	30%	0.0148%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00074%
			Guar gum	9000-30-0	100%	0.1314%
			Hexamethylenetetramine	100-97-0	2%	0.0485%
			Hydrochloric acid	7647-01-0	60%	0.85245%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00022%
			Methanol	67-56-1	60%	0.00147%
			Monoethanolamine borate	26039-87-9	100%	0.02333%
			Olefins	Confidential	5%	0.00029%
			Phenol / formaldehyde resin	9003-35-4	5%	0.12125%
			Poly(oxy-1,2-ethanediyl), ,alpha -isodecyl-, omega -hydroxy-	61827-42-7	30%	0.01301%
			Polyacrylamide copolymer	Confidential	30%	0.00022%
			Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00836%
			Polypropylene glycol	25322-69-4	30%	0.00175%
			Propargyl alcohol	107-19-7	10%	0.0025%
			Quaternary amine	Confidential	5%	0.00278%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00074%
			Silica gel	112926-00-8	1%	0.00131%
			Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	30%	0.00175%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	30%	0.00248%
			Sodium hydroxide	1310-73-2	30%	0.00439%
			Sorbitan monooleate	9005-65-6	1%	1E-05%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	1E-05%
			Surfactant mixture	Confidential	1%	0.00263%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00417%
			Trimethylamine, N-oxide	1184-78-7	5%	0.0007%
			Walnut hulls	NA	100%	0.00248%
			Water	7732-18-5	100%	1.56379%

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 Title: Regulatory Analyst

Date: 10/20/2015

E-mail Address: sdavis@conchoresources.com

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