

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.
30-025-42200

2. Well Name:
KING AIR 8 FEDERAL COM #004H

3. Well Number:
004H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit:M Lot:M Section:8 Township:19S Range:32E
Feet from:58 N/S Line:S
Feet from:982 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:8 Township:19S Range:32E
Feet from:342 N/S Line:N
Feet from:650 E/W Line:W

6. latitude: longitude:
32.6678928325054 -103.793794230374

7. County:
Lea

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: 2/22/2015 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
41440

14. Gross Fractured Interval:
9,410 ft to 13,680 ft

15. True Vertical Depth (TVD):
9,261 ft

16. Total Volume of Fluid Pumped:
5,513,277 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%	85.39458%
FE Acid < 10%	Halliburton				100%	1.6231%
Premium White 20/40	Halliburton				100%	10.03656%
CRC 20/40	Halliburton				100%	2.57909%
LOSURF-360W	Halliburton	Surfactant	Complex alkylamine Glycerine Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	Confidential 56-81-5 61827-42-7	5% 10% 30%	0.00218% 0.00436% 0.01309%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00417%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.00646%
Cla-Web(TM)	Halliburton	Additive	Ammonium salt	Confidential	60%	0.02811%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.00316%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.0001%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.00713%
			Monoethanolamine borate	26038-87-9	60%	0.01426%
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential	100%	0.00441%
			Silica, amorphous precipitated	67762-90-7	30%	0.00132%
SALT	Halliburton	Additive	Sodium chloride	7647-14-5	100%	0.04589%
BE-6 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	4E-05%
Scalechek(R) SCP-2	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01393%
Scale Inhibitor						
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.0016%
			Walnut hulls	Mixture	100%	0.00533%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.11953%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	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%
			Hydrogen peroxide	7722-84-1	0%	0%
			Nitrotriactic acid, trisodium salt monohydrate	5064-31-3	0%	0%
			Polypropylene glycol	25322-69-4	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%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	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

Date: 4/9/2015

E-mail Address: sdavis@conchoresources.com

Title: Regulatory Analyst

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.