

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:
30-025-42035

2. Well Name:
STRATOSPHERE 36 STATE COM #004H

3. Well Number:
004H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit B Lot B Section 36 Township 20S Range 34E
Feet from 480 N/S Line N
Feet from 1980 E/W Line E

5. Bottom Hole Location:
Unit O Lot O Section 36 Township 20S Range 34E
Feet from 354 N/S Line S
Feet from 1970 E/W Line E

6. latitude: 32.535511 longitude: -103.5115051

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: 11/12/2015 Frac Performed by: Halliburton

12. Production Type: O

13. Pool Code(s): 5535

14. Gross Fractured Interval: 11,586 ft to 15,360 ft

15. True Vertical Depth (TVD): 11,434 ft

16. Total Volume of Fluid Pumped: 6,405,284 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%	89.12994%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BC-140 X2, BE-9, Cla-Web(TM), FE-1A ACIDIZING COMP	Halliburton	Additive, Biocide, Breaker, Concentrate, Corrosion Inhibitor, Friction Reducer, Gelling Agent, Initi	NA	NA	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Scale Preventer, Surfactant	NA	NA	0%	0%
Parasorb, Scaletrol	Baker Hughes	Additive, 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%	3E-05%
			Acetic acid	64-19-7	60%	0.00263%
			Acetic anhydride	108-24-7	100%	0.00439%
			Alcohols, C14-C15, ethoxylated	Confidential	5%	0.0017%
			Alkanes	68951-67-7	30%	0.00022%
			Aluminum oxide	Confidential	1%	0.00045%
			Aluminum silicate	1344-28-1	5%	0.10859%
			Aluminum Silicate	1302-76-7	10%	0.21718%
			Amide	1302-76-7	100%	7.52589%
			Amine salts	Confidential	5%	0.0017%
			Ammonium chloride	Confidential	0.1%	0.0001%
			Ammonium salt	12125-02-9	5%	0.0017%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	Confidential	60%	0.02973%
			C.I. Pigment Red 5	121888-68-4	5%	0.00594%
			Calcium chloride	6410-41-9	1%	5E-05%
			Citric acid	10043-52-4	5%	0.00135%
			Complex alkylamine	77-92-9	60%	0.00273%
			Crystalline silica, cristobalite	Proprietary	5%	0.00226%
			Crystalline silica, quartz	14464-46-1	30%	2.36636%
			Crystalline Silica, Quartz	14808-60-7	100%	0.66588%
			Crystalline silica, Quartz (SiO2)	14808-60-7	0.1%	0.00012%
			Cured acrylic resin	14808-60-7	1%	8E-05%
			Diatomaceous earth, calcined	Confidential	30%	0.00141%
			Enzyme	91053-39-3	60%	0.00501%
			Ethylene glycol	Confidential	5%	0.00023%
			Ethylenediaminetetraacetic acid, tetrasodium salt	107-21-1	30%	0.01573%
			Fatty acids, tall oil	64-02-8	0.01%	0%
			Glassy calcium magnesium phosphate	Confidential	30%	0.00022%
			Guar gum	65997-17-3	100%	0.0167%
			Hydrochloric acid	9000-30-0	100%	0.11883%
			Hydrotreated light petroleum distillate	7647-01-0	60%	0.06388%
			Iron oxide	64742-47-8	30%	0.0102%
			Methanol	1309-37-1	1%	0.02172%
			Mineral Oil	67-56-1	60%	0.00044%
			Monoethanolamine borate	8042-47-5	30%	0.00251%
			Mullite	26038-87-9	100%	0.02539%
			Olefins	1302-93-8	100%	7.52589%
			Poly(oxy-1,2-ethanediyl), alpha -isodecyl- omega -hydroxy	Confidential	5%	9E-05%
			Polyacrylamide copolymer	61827-42-7	30%	0.01357%
			Propargyl alcohol	Confidential	30%	0.0102%
			Quaternary amine	107-19-7	10%	7E-05%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	Confidential	5%	0.00302%
			Silica gel	68527-49-1	30%	0.00022%
			Silica, amorphous - fumed	112926-00-8	1%	0.00119%
			Sintered bauxite	7631-86-9	30%	2.25777%
			Sodium bicarbonate	1319-16-7	100%	2.17179%
			Sodium chloride	144-55-8	0.01%	0%
			Sodium hydroxide	7647-14-5	30%	0.0044%
			Sodium perborate tetrahydrate	1310-73-2	30%	0.00414%
			Sorbitan monooleate	10486-00-7	100%	0.00406%
			polyoxyethylene derivative	9005-65-6	1%	0.00034%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	0.00034%
			Surfactant mixture	Confidential	1%	0.00238%
			Titanium dioxide	13463-67-7	1%	0.02172%
			Tributyl tetradecyl phosphonium chloride	81741-28-3	10%	0.00439%
			Walnut hulls	NA	100%	0.00454%
			Water	7732-18-5	100%	0.2752%

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

Date: 12/2/2015

E-mail Address: sdavis@conchoresources.com

Printed Name: Stormi Davis

Title: Regulatory Analyst

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