

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:
30-025-42034

2. Well Name:
STRATOSPHERE 36 STATE COM #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:A Lot:A Section:36 Township:20S Range:34E
Feet from:380 N/S Line:N
Feet from:660 E/W Line:E

5. Bottom Hole Location:
Unit:P Lot:P Section:36 Township:20S Range:34E
Feet from:343 N/S Line:S
Feet from:644 E/W Line:E

6. latitude: 32.5357819 longitude: -103.507225

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: 9/26/2015 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
5535

14. Gross Fractured Interval:
11,620 ft to 15,650 ft

15. True Vertical Depth (TVD):
11,557 ft

16. Total Volume of Fluid Pumped:
6,723,964 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%	88.39693%
HCl < 10%		Base Fluid	Hydrochloric Acid	NA	0%	0%
BE-9M, CL-28E BU, CL-31 CROSSLINKER, Cla-Web (TM),	Halliburton	Additive, Biocide, Breaker, Concentrate, Corrosion Inhibitor, Crosslinker, Friction Reducer, Gelling	NA	NA	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676	Halliburton	Scale Preventer, Surfactant	NA	NA	0%	0%
Parasord, Scaletrol	Baker	Corrosion Inhibitor, Scale Inhibitor	NA	NA	0%	0%
			Alcohols ethoxylated	Confidential	5%	0.00044%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00023%
			Alkane	Confidential	1%	0.00045%
			Aluminum Silicate	1302-76-7	100%	7.43854%
			Amide	Confidential	5%	0.00044%
			Amine salts	Confidential	0.1%	0.0001%
			Ammonium chloride	12125-02-9	5%	0.00044%
			Ammonium persulfate	7727-54-0	100%	0.00414%
			Ammonium salt	Confidential	60%	0.0294%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00646%
			Calcium chloride	10043-52-4	0%	0%
			Complex alkylamine	Proprietary	5%	0.00224%
			Crystalline silica	14808-60-7	1%	0.00018%
			Crystalline silica, cristobalite	14464-46-1	30%	2.23156%
			Crystalline silica, quartz	14808-60-7	100%	2.81682%
			Crystalline Silica, Quartz	14808-60-7	0.1%	0.00013%
			Cured acrylic resin	Confidential	30%	0.00124%
			Diatomaceous earth	91053-39-3	60%	0.01064%
			Ethylene glycol	0107-21-1	30%	0.00781%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00023%
			Glassy calcium magnesium phosphate	65997-17-3	100%	0.01655%
			Guar gum	9000-30-0	100%	0.12928%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00262%
			Methanol	67-56-1	60%	0.01333%
			Mineral oil	08042-47-5	30%	0.00532%
			Mullite	1302-93-8	100%	7.43854%
			NFIDB:CL-28E BU	NFIDB:CL-28E BU	100%	0%
			NFIDB:HCl < 10%	NFIDB:HCl < 10%	100%	0.99119%
			Olefins	Confidential	5%	9E-05%
			Poly(oxy-1,2-ethanediyl), ,alpha -isodecyl- omega -hydroxy-	61827-42-7	30%	0.01345%
			Polyacrylamide copolymer	Confidential	30%	0.00262%
			Potassium hydroxide	1310-58-3	5%	0.00041%
			Potassium metaborate	13709-94-9	60%	0.00486%
			Propargyl alcohol	107-19-7	10%	8E-05%
			Quaternary amine	Confidential	5%	0.00299%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30%	0.00023%
			Silica gel	112926-00-8	1%	0.00129%
			Silica, amorphous - fumed	7631-86-9	30%	2.23156%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	5%	0.00297%
			Sodium hydroxide	1310-73-2	30%	0.00255%
			Sodium perborate tetrahydrate	10496-00-7	100%	0.00083%
			Sodium persulfate	7775-27-1	100%	0.00039%
			Sodium sulfate	7757-32-6	0.1%	0%
			Sorbitan monooleate	9005-65-6	1%	9E-05%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	9E-05%
			Surfactant mixture	Confidential	1%	0.00259%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00429%
			Water	7732-18-5	100%	0.14066%

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: 10/12/2015

E-mail Address: sdavis@conchoresources.com

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