

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:
30-025-27051

2. Well Name:
STRATOCASTER 20 FEDERAL #004H

3. Well Number:
004H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:I Lot:I Section:20 Township:23S Range:34E
Feet from:1980 N/S Line:S
Feet from:660 E/W Line:E

5. Bottom Hole Location:
Unit:I Lot:I Section:20 Township:23S Range:34E
Feet from:1980 N/S Line:S
Feet from:660 E/W Line:E

6. latitude:
32.2883346720361 longitude:
-103.4856590943

7. County:
Lea

8. Operator Name and Address:
ENDURANCE RESOURCES LLC
15455 Dallas Parkway
Suite 600
Addison 75234

9. OGRID:
270329

10. Phone Number:
972-764-3131

11. Last Fracture Date:
10/4/2013 Frac Performed by:
Halliburton

12. Production Type:
G

13. Pool Code(s):
2209

14. Gross Fractured Interval:
10,840 ft to 13,234 ft

15. True Vertical Depth (TVD):
10,536 ft

16. Total Volume of Fluid Pumped:
1,509,535 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%	86.91509%
HYDROCHLORIC ACID 15%	Halliburton		Hydrochloric acid	7647-01-0	15%	0.00056%
CERAMIC PROP	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	0.89999%
			Mullite	1302-93-8	100%	2.99997%
			Silica, amorphous - fumed	7631-86-9	30%	0.89999%
CERAMIC PROP PLUS	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	2.82238%
			Mullite	1302-93-8	100%	9.40793%
			Silica, amorphous - fumed	7631-86-9	30%	2.82238%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00498%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02702%
SandWedge ABC	Halliburton	Flow Enhancer	Ethoxylated amine	Confidential Business Information	5%	0.0012%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00717%
			Naphthalene	91-20-3	5%	0.0012%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01814%
			Monoethanolamine borate	26038-87-9	100%	0.06046%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.00163%
RockOn MX 5-3447	Multi-Chem Group LLC	Surfactant	Methyl alcohol	67-56-1	70%	0.14242%
			Sulfonate		30%	0.06104%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.23809%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00035%
OptiKleen-WF™	Halliburton	Concentrate	Sodium perborate tetrahydrate	10486-00-7	100%	0.00076%
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00035%
Ingredients Listed Below This Line Are Part of the			1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-[(4-sulfofenyl)-4-[(4-sulfofenyl)azo]-, trisodium salt	1934-21-0	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfur-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfofenyl)azo]-, disodium salt	2783-94-0	0%	0%
			Acetic acid	64-19-7	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	0%	0%
			Aluminum Silicate	1302-76-7	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Ammonium chloride	12125-02-9	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Diatomaceous earth	61790-53-2	0%	0%
			Fatty acid amine salt mixture	68139-75-3	0%	0%
			Fatty acid tall oil amide	Confidential Business Information	0%	0%
			FD&C Blue 1	3844-45-9	0%	0%
			Formaldehyde	50-00-0	0%	0%
			Hexamethylenetetramine	100-97-0	0%	0%
			Iron oxide	1309-37-1	0%	0%
			Phenol	108-95-2	0%	0%
			Phenol / formaldehyde resin	9003-35-4	0%	0%
			Polyacrylamide copolymer	Confidential Business Information	0%	0%
			Potassium acetate	127-08-2	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Quaternary amine	Confidential Business Information	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	0%	0%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Titanium dioxide	13463-67-7	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:
Peggy Redman

Title:

Date:
12/2/2013

E-mail Address:
peggy@enduranceresourcesllc.com

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