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. 30-025-42025
2. Well Name: STARCASTER 18 FEDERAL COM #004H
3. Well Number: 004H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location: Unit:A Lot:A Section:18 Township:23S Range:34E Feet from:330 N/S Line:N Feet from:660 E/W Line:E
5. Bottom Hole Location: Unit:A Lot:A Section:18 Township:23S Range:34E Feet from:330 N/S Line:N Feet from:660 E/W Line:E
6. latitude: 32.3110123 longitude: -103.5027847
7. County: Lea

8. Operator Name and Address: ENDURANCE RESOURCES LLC, 15455 Dallas Parkway, Suite 1050, Addison 75234
9. OGRID: 270329
10. Phone Number: 972-764-3131
11. Last Fracture Date: 2/23/2015 Frac Performed by: Halliburton
12. Production Type: O
13. Pool Code(s): 5150
14. Gross Fractured Interval: 10,653 ft to 12,683 ft
15. True Vertical Depth (TVD): 10,394 ft
16. Total Volume of Fluid Pumped: 3,470,134 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				100%	86.36161%
PROP-CARBO HYDROPROP, BULK (101649541)	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	0.34287%
			Mullite	1302-93-8	100%	1.1429%
			Silica, amorphous - fumed	7631-86-9	30%	0.34287%
PROP-CERAMIC-40/70	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	0.38885%
			Mullite	1302-93-8	100%	1.29616%
			Silica, amorphous - fumed	7631-86-9	30%	0.38885%
PROP-CERAMIC PLUS-30/50	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	30%	2.65002%
			Mullite	1302-93-8	100%	8.8334%
			Silica, amorphous - fumed	7631-86-9	30%	2.65002%
Premium White-40/70	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.77851%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.01279%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.04222%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00201%
			Potassium metaborate	13709-94-9	60%	0.02416%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01365%
RockOn™ MX 5-2350	Multi-Chem	Surfactant	Ethoxylated Alcohols	Proprietary	13%	0.02389%
			Methanol	67-56-1	100%	0.18374%
			Sulfonate	Proprietary	10%	0.01837%
MC B-8614, 330 gal T	Multi-Chem	Biocide			100%	0%
MC S-2510T	Multi-Chem	Scale Inhibitor			100%	0%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00311%
			Ammonium acetate	631-61-8	100%	0.01035%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00027%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.19182%
Ingredients Listed Below This Line Are Part of the			Acrylate polymer	Confidential Business Information	0%	0%
			Aluminum Silicate	1302-76-7	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Borate salts	Confidential Business Information	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Diatomaceous earth	61790-53-2	0%	0%
			Diethylenetriaminepentakis (methylene phophonic acid), sodium salt	22042-96-2	0%	0%
			Disodium ethylenediaminediacetate	38011-25-5	0%	0%
			Ethylene oxide	75-21-8	0%	0%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Formaldehyde	50-00-0	0%	0%
			Hexamethylenetetramine	100-97-0	0%	0%
			Iron oxide	1309-37-1	0%	0%
			Nitrilotriacetic acid, trisodium salt monohydrate	5064-31-3	0%	0%
			Organic phosphonate	Confidential Business Information	0%	0%
			Organic salt	139-89-9	0%	0%
			Organic salt	62099-15-4	0%	0%
			Phenol	108-95-2	0%	0%
			Phenol / formaldehyde resin	9003-35-4	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 carboxymethyl cellulose	9004-32-4	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycollate	2836-32-0	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Titanium dioxide	13463-67-7	0%	0%
			Trisodium ethylenediaminetriacetate	19019-43-3	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: 2/24/2016

E-mail Address: peggy@enduranceresourcesllc.com

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