

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:
30-025-41448

2. Well Name:
NOCASTER 19 FEDERAL #003H

3. Well Number:
003H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:O Lot:O Section:19 Township:23S Range:34E
Feet from:330 N/S Line:S
Feet from:1980 E/W Line:E

5. Bottom Hole Location:
Unit:O Lot:O Section:19 Township:23S Range:34E
Feet from:330 N/S Line:S
Feet from:1980 E/W Line:E

6. latitude: longitude:
32.2837906 -103.5069962

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: 10/25/2014 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
2209

14. Gross Fractured Interval:
10,953 ft to 14,714 ft

15. True Vertical Depth (TVD):
10,550 ft

16. Total Volume of Fluid Pumped:
2,917,065 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%	83.82666%
HYDROCHLORIC ACID 5-10%	Halliburton		Hydrochloric acid	7647-01-0	10%	0.12039%
PROP-CERAMIC PLUS-30/60, BULK (101297533)	Halliburton				100%	6.36419%
RC CERAMIC PROP PLUS	Halliburton	Proppant	Aluminum silicate	1302-76-7	60%	3.56923%
			Aluminum oxide	1344-28-1	60%	3.56923%
			Crystalline silica, quartz	14808-60-7	1%	0.05949%
CARBOPROP 40/70, BULK (101217071)	Halliburton				100%	2.03294%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30%	0.0036%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.0046%
CL-22 UC	Halliburton	Crosslinker	Potassium formate	590-29-4	60%	0.03696%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.0034%
			Potassium metaborate	13709-94-9	60%	0.04084%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.01697%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01328%
RockOn™ MX 5-2673	Multi-Chem	Surfactant	2-Butoxyethanol	111-76-2	10%	0.01911%
			Ethoxylated Alcohols	Proprietary	30%	0.05732%
			Methanol	67-56-1	70%	0.13374%
			Potassium chloride	7447-40-7	5%	0.00955%
MC S-2510T	Multi-Chem	Scale Inhibitor	Ethylene Glycol	107-21-1	60%	0.01221%
MC B-8614	Halliburton				100%	0%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.01418%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17711%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00069%
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00138%
Ingredients Listed Below This Line Are Part of the			4,4'-Isopropylidenediphenol	80-05-7	0%	0%
			Acrylate polymer	Confidential Business Information	0%	0%
			Alcohols, C12-16, ethoxylated	68551-12-2	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%
			Borate salts	Confidential Business Information	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Dimethyl polysiloxane	63148-62-9	0%	0%
			Fatty acid tall oil amide	Confidential Business Information	0%	0%
			Formaldehyde, polymer with 4-nonylphenol and phenol	40404-63-5	0%	0%
			Formaldehyde-4,4'-isopropylidene diphenol	25085-75-0	0%	0%
			Neutralized Polycarboxylic Acid	Proprietary	0%	0%
			Phenol	108-95-2	0%	0%
			Polyacrylamide copolymer	Confidential Business Information	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%
			Sorbitan monooleate	9005-65-6	0%	0%
			polyoxyethylene derivative			
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
			Surfactant mixture	Confidential Business Information	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

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.