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.
30-025-43427

2. Well Name:
RED HILLS 21 W1DM FEDERAL COM #002H

3. Well Number:
002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:21 Township:26S Range:32E
Feet from:200 N/S Line:N
Feet from:990 E/W Line:W

5. Bottom Hole Location:
Unit:M Lot: Section:21 Township:26S Range:32E
Feet from:334 N/S Line:S
Feet from:926 E/W Line:W

6. latitude: 32.03500782 longitude: -103.6853863

7. County:
Lea

8. Operator Name and Address:
MEWBOURNE OIL CO
4801 Business Park Blvd.
PO Box 5270
Hobbs 88240

9. OGRID: 14744

10. Phone Number: 575-393-5905

11. Last Fracture Date: 8/26/2017 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
98065

14. Gross Fractured Interval:
12,005 ft to 12,051 ft

15. True Vertical Depth (TVD):
12,055 ft

16. Total Volume of Fluid Pumped:
11,227,325 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	Water	7732-18-5	100%	89.3794774%
DCA-32003	Halliburton	Wetting Agent	Listed Below	Listed Below	0%	0%
FDP-S1226-15	Halliburton	Surfactant	Listed Below	Listed Below	0%	0%
FDP-S1232-16	Halliburton	Friction Reducer	Listed Below	Listed Below	0%	0%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Listed Below	Listed Below	0%	0%
HCl < 10%	Halliburton	Solvent	Listed Below	Listed Below	0%	0%
MC B-8614	Halliburton	Biocide	Listed Below	Listed Below	0%	0%
OptiKleen-WF(TM)	Halliburton	Concentrate	Listed Below	Listed Below	0%	0%
SAND-COMMON WHITE-100 MESH, SSA-2	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
SAND-PREMIUM WHITE-40/70	Halliburton	Proppant	Listed Below	Listed Below	0%	0%
MSDS and Non-MSDS Ingredients are listed below the					0%	0%
Ingredients	Listed Above	Listed Above	Alcohols, C12-13, ethoxylated	66455-14-9	30%	9E-05%
			Alcohols, C12-16, ethoxylated	68551-12-2	5%	1E-05%
			Alkylbenzene sulfonate compd. with 2-propanamine	68584-25-8	10%	0.00411%
			Alkylbenzene sulfonate compd. with triethanolamine	68584-24-7	10%	0.00411%
			Benzene, C10-16 alkyl derivatives	68648-87-3	1%	0.00041%
			Copolymer of acrylamide and sodium acrylate	25085-02-3	30%	0.04098%
			Crystalline silica, quartz	14808-60-7	100%	10.07464%
			Ethanol	64-17-5	1%	0.00028%
			Ethoxylated alcohols	Proprietary	30%	0.00698%
			Ethoxylated sorbitan monostearate	9005-67-8	5%	0.00683%
			Ethylene oxide	75-21-8	0.01%	0%
			Fatty acids, tall oil	Proprietary	30%	0.00015%
			Glutaraldehyde	111-30-8	30%	0.00854%
			Hydrochloric acid	7647-01-0	10%	0.03237%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.04098%
			Hydroxyacetic acid	79-14-1	1%	0.00137%
			Methanol	67-56-1	100%	0.04144%
			Modified thiourea polymer	Proprietary	100%	0.00015%
			Olefins	Proprietary	5%	6E-05%
			Phosphoric acid	7664-38-2	0.1%	3E-05%
			Propargyl alcohol	107-19-7	10%	5E-05%
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5%	0.00142%
			Sobitan, mono-9-octadececenoate, (Z)	1338-43-8	1%	0.00137%
			Sodium perborate tetrahydrate	10486-00-7	100%	0.01528%
			Water	7732-18-5	100%	0.44186%

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: Nm Young Title: Manager

Date: 11/13/2017

E-mail Address: rterrell@mewbourne.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.