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. 30-025-41994

2. Well Name: PALOMA 21 FEDERAL COM #002H

3. Well Number: 002H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:C Lot:C Section:21 Township:20S Range:34E
Feet from:200 N/S Line:N
Feet from:1650 E/W Line:W

5. Bottom Hole Location:
Unit:F Lot: Section:28 Township:20S Range:34E
Feet from:2310 N/S Line:N
Feet from:1870 E/W Line:W

6. latitude: 32.5653381 longitude: -103.5685272

7. County: Lea

8. Operator Name and Address:
FASKEN OIL & RANCH LTD
6101 Holiday Hill Road
Midland 79707

9. OGRID: 151416

10. Phone Number: 432-687-1777

11. Last Fracture Date: 7/10/2015 Frac Performed by: ProPetro Services

12. Production Type: O

13. Pool Code(s): 37580

14. Gross Fractured Interval: 11,364 ft to 18,070 ft

15. True Vertical Depth (TVD): 11,121 ft

16. Total Volume of Fluid Pumped: 53,064,000 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)
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100%	89.8252811%
HA04-10-15% HCL	Reagent Chemical	Acidizing	Hydrogen Chloride	7647-01-0	15%	0.0946408%
			Water	7732-18-5	85%	0.536298%
IC5-Iron Control	Economy Polymers	Iron Control	Acetic Acid	64-19-7	60%	0.0036252%
			Citric Acid	77-92-9	30%	0.0018126%
			Water	7732-18-5	60%	0.0036252%
CI200-Corrosion Inhibitor	Economy Polymers	Corrosion Inhibitor	Methanol	67-56-1	60%	0.0010779%
NE-601-N/E Surfactant	EES	Surfactant	Methanol	67-56-1	70%	0.0701731%
			Ethylene Glycol Monobutyl Ether	111-76-2	50%	0.0501236%
			Diethanolamide	Proprietary	70%	0.0701731%
BR1-AP Breaker	Economy Polymers	AP Breaker	Ammonium Persulfate	7727-54-0	98%	0.000711%
BREC-High Temp Encap	Economy Polymers	High Temp. Encap Breaker	Ammonium Persulfate	7727-54-0	60%	0.0062754%
			Cured Acrylic Resin	Proprietary	25%	0.0026148%
			Silica, Crystalline-Quartz	14808-60-7	15%	0.0015689%
BRXPA-Plexgel XPA Breaker	Chemplex	Breaker	Hydrogen Peroxide	7722-84-1	100%	0.0221752%
FR02-Cationic Friction Reducer	Economy Polymers	Cationic Friction Reducer	Petroleum Distillates	Proprietary	25%	0.022783%
			Trade Secret	Proprietary	100%	0.091132%
BC01-MECTWSI Dry Bio	Economy Polymers	Biocide (Dry)	Dibromo - Nitrilopropionamide	10222-01-2	100%	9.42E-05%
K205-KCL Substitute	Colossal Chemical	KCL Substitute	Benzenemethanaminium	56-93-9	13%	0.0116548%
			Methanol	67-56-1	10%	0.0089652%
			Ammonium Acetate	631-61-8	40%	0.0358609%
			Sulfuric Acid	7664-93-9	1.5%	0.0013448%
O2S-Plexaid OS-30	Chemplex	Oxygen Scavenger	Ammonium Bisulfite	010192-30-0	55%	0.0073071%
Cortron R-2340	Champion Technologies	Corrosion Inhibitor	Methanol	67-56-1	60%	0.0085941%
			Acetic Acid	64-19-7	5%	0.0007162%
			Amines, coco alkyl, acetates	Proprietary	10%	0.0014324%
CorrSorb 6000	Baker Hughes	Corrosion Inhibitor	Diatomaceous earth, calcined	91053-39-3	100%	0.0141159%
			Quaternary ammonium chloride	Proprietary	30%	0.0042348%
			Acid phosphate ester	Proprietary	10%	0.0014116%
			Crystalline silica: Quartz	14808-60-7	1%	0.0001412%
ScaleSorb 3	Baker Hughes	Scale Inhibitor	Diatomaceous earth, calcined	91053-39-3	100%	0.0267347%
			Amino Alkyl Phosphonic Acid	Proprietary	30%	0.0080204%
			Phosphonic Acid	13598-36-2	1%	0.0002673%
			Crystalline silica: Quartz	14808-60-7	1%	0.0002673%
Ceramic - Sinterlite	Sintex	Proppant	Silica	14808-60-7	100%	9.1529963%

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: Addison Long Title: _____

Date: 7/21/2015

E-mail Address: addisonl@forl.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.