

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 8, 2013

1. WELL API NO:  
30-045-33056

2. Well Name:  
PIERRE COM #090

3. Well Number:  
090

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:  
Unit:M    Lot:M    Section:23    Township:23N    Range:11W  
Feet from:790    N/S Line:S  
Feet from:1050    E/W Line:W

5. Bottom Hole Location:  
Unit:M    Lot:M    Section:23    Township:23N    Range:11W  
Feet from:790    N/S Line:S  
Feet from:1050    E/W Line:W

6. latitude:    36.2071063007941    longitude:    -107.980206146807

7. County:  
San Juan

8. Operator Name and Address:  
DUGAN PRODUCTION CORP  
PO BOX 420  
FARMINGTON 87499

9. OGRID:  
6515

10. Phone Number:

11. Last Fracture Date:    4/22/2015    Frac Performed by: Baker Hughes

12. Production Type:  
G

13. Pool Code(s):  
71629

14. Gross Fractured Interval:  
400 ft to 471 ft

15. True Vertical Depth (TVD):  
513 ft

16. Total Volume of Fluid Pumped:  
104,200 gals

17. Total Volume of Re-Use Water Pumped:  
0 gals

18. Percent of Re-Use Water in Fluid Pumped:  
%

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	Dugan Production Corp.	Carrier	Water	7732-18-5	100%	59.0891%
Alpha 1427	Baker Hughes	Biocide	Listed with Chemicals iin Ingredients	N/A	0%	0.053%
GBW-5	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/a	0%	0.0014%
Enzyme G-I	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/A	0%	0.0808%
BC-6	Baker Hughes	Breaker Catalyst	Listed with Chemicals in Ingredients	N/A	0%	0.0272%
BF-7L	Baker Hughes	Buffer	Listed with Chemicals in Ingredients	N/A	0%	0.1163%
ClayCare, ClayTreat-2C, 330 gal tote	Baker Hughes	Clay Control	Listed with Chemicals In Ingredients	N/A	0%	0.0605%
CorrSorb 3600, 25 lb pail	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0404%
XLW-32	Baker Hughes	Crosslinker	Listed with Chemicals in Ingredients	N/A	0%	0.0534%
GW-3LDF	Baker Hughes	Gelling Agent	Listed with Chemicals in Ingredients	N/A	0%	0.3016%
Nitrogen	Baker Hughes	Nitrogen	Listed with Chemicals in Ingredients	N/A	0%	4.5587%
Sand, Brown, 20/40	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	35.1756%
ScaleSorb 3, 25# pail	Baker Hughes	Scale Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0404%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Listed with Chemicals in Ingredients	N/A	0%	0.1427%
Chemical Ingredients	Baker Hughes	Treatment System	1-butoxy-2-propanol 2-butoxy-1-propanol Acid Phosphate Ester Alcohols, ethoxylated Amines, unsatd, alkyl, ethoxylated Amino Trimethylene Phosphonic Acid Ammonium Persulphate Boric Acid (H3BO3) Choline Chloride Crystalline Cristoballite Crystalline Silica (Quartz) Crystalline Silica: Quartz Diatomaceous Earth, Calcined Didecyl Dimethyl Ammonium Chloride Ethanol Ethylene Glycol Glutaraldehyde Guar Gum Hemicellulase Enzyme Concentrate Isotridecanol, ethoxylated Methanol Methyl Borate Mineral Oil Nitrogen Paraffinic Petroleum Distillate Petroleum Distillates Phosphonic Acid Phosphoric Acid Polyethylene glycol nonylphenyl ether Polyoxyalkylenes Potassium Carbonate Potassium Hydroxide Quaternary Ammonium Chloride Quaternary Ammonium Compound Thioglycolic Acid Triethanolamine Water Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on MSDS	5131-66-8 15821-83-7 9046-01-9 68551-12-2 68155-39-5 6419-19-8 7727-54-0 10043-35-3 67-48-1 14464-46-1 14808-60-7 14808-60-7 91053-39-3 7173-51-5 64-17-5 107-21-1 111-30-8 9000-30-0 9025-56-3 9043-30-5 67-56-1 121-43-7 8042-47-5 7727-37-9 64742-55-8 64742-47-8 13598-36-2 7664-38-2 9016-45-9 78330-21-9 584-08-7 1310-58-3 61789-71-7 68424-85-1 68-11-1 102-71-6 7732-18-5	5% 0.1% 10% 10% 5% 28% 100% 30% 75% 1% 100% 5% 100% 10% 5% 1% 30% 70% 100% 30% 30% 1% 1% 15% 1% 60% 1% 30% 5% 1% 60% 97% 0%	0.015012% 0.0003% 0.004022% 0.014211% 0.007105% 0.011262% 0.001408% 0.015943% 0.045197% 0.000402% 35.022578% 0.015415% 0.069988% 0.005279% 0.00264% 0.000402% 0.015838% 0.180149% 0.002415% 0.015012% 0.074518% 0.015943% 0.210174% 4.5388% 0.090075% 0.090075% 0.000402% 0.000402% 0.021316% 0.000402% 0.069475% 0.001158% 0.012067% 0.00264% 0.000402% 0.016254% 0.322226% 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:    Tyra M Feil

Date:    5/20/2015

E-mail Address:    tyrafeil@duganproduction.com

ENGINEERING

Title:    ASSISTANT

NMOCED does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCED does not require the reporting or disclosure of proprietary, trade secret or confidential business information.