

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:  
30-045-33071

2. Well Name:  
PIERRE COM #091

3. Well Number:  
091

4. Surface Hole Location:  
Unit:J Lot:J Section:23 Township:23N Range:11W  
Feet from:1800 N/S Line:S  
Feet from:1900 E/W Line:E

5. Bottom Hole Location:  
Unit:J Lot: Section:23 Township:23N Range:11W  
Feet from:1800 N/S Line:S  
Feet from:1900 E/W Line:E

6. Latitude: 36.2098937872158 Longitude: -107.971958632846

7. County:  
San Juan

**HYDRAULIC FRACTURING FLUID  
DISCLOSURE**

Original

Amendment

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:  
429 ft to 497 ft

15. True Vertical Depth (TVD):  
497 ft

16. Total Volume of Fluid Pumped:  
97,700 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%	58.0789%
Alpha 1427	Baker Hughes	Biocide	Listed with Chemicals in Ingredients	N/A	0%	0.0572%
GBW-5	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/A	0%	0.0013%
Enzyme G-1	Baker Hughes	Breaker	Listed with Chemicals in Ingredients	N/A	0%	0.04%
BC-6	Baker Hughes	Breaker Catalyst	Listed with Chemicals in Ingredients	N/A	0%	0.047%
BF-7L	Baker Hughes	Buffer	Listed with Chemicals in Ingredients	N/A	0%	0.1282%
ClayCare, ClayTreat-2C, 330 gl tote	Baker Hughes	Clay Control	Listed with Chemicals in Ingredients	N/A	0%	0.0634%
CorrSorb 3600,25 lb pail	Baker Hughes	Corrosion Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0436%
XLW-32	Baker Hughes	Crosslinker	Listed with Chemicals in Ingredients	N/A	0%	0.0626%
FAW-1	Baker Hughes	Foamer	Listed with Chemicals in Ingredients	N/A	0%	0.2319%
GW-3LDF	Baker Hughes	Gelling Agent	Listed with Chemicals in Ingredients	N/A	0%	0.3213%
Nitrogen	Baker Hughes	Nitrogen	Listed with Chemicals in Ingredients	N/A	0%	4.7723%
Sand, Brown, 20/40	Baker Hughes	Proppant	Listed with Chemicals in Ingredients	N/A	0%	35.7108%
ScaleSorb 3, 25# pail	Baker Hughes	Scale Inhibitor	Listed with Chemicals in Ingredients	N/A	0%	0.0436%
GasFlo G, 330 gal tote	Baker Hughes	Surfactant	Listed with Chemicals in Ingredients	N/A	0%	0.1414%
Chemical Ingredients	Baker Hughes	Treatment System	1-butoxy-2-propanol 2-butoxy-1-propanol Acid Phosphate Ester Alcohols, ethoxylated Amines, unsated, alkyl, ethoxylated Amino Trimethylene Phosphonic Acid Ammonium Persulfate Boric Acid (H3BO3) Choline Chloride Cocoamidopropyl Betaine Crystalline Cristobalite Crystalline Silica (Quartz) Crystalline Silica: Quartz Diatomaceous Earth, Calcined Didecyl Dimethyl Ammonium Chloride Ethanol Ethylene Glycol Glutaraldehyde Glycerine 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 Hydroxide Potassium Carbonate Quaternary Ammonium Chloride Quaternary Ammonium Compound Sodium Chloride 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 61789-40-0 14464-46-1 14808-60-7 14808-60-7 91053-39-3 7173-51-5 64-17-5 107-21-1 111-30-8 56-81-5 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 7647-14-5 68-11-1 102-71-6 7732-18-5	5% 0.1% 10% 10% 5% 25% 100% 30% 75% 60% 1% 100% 5% 100% 10% 5% 1% 30% 30% 100% 30% 1% 1% 30% 60% 1% 30% 5% 5% 1% 1% 60% 97% 0%	0.015997% 0.00032% 0.004342% 0.014078% 0.007038% 0.012157% 0.001302% 0.018684% 0.0437307% 0.138553% 0.000434% 35.554166% 0.016431% 0.075545% 0.005698% 0.002849% 0.000434% 0.017095% 0.011546% 0.191959% 0.001195% 0.015997% 0.114233% 0.018684% 0.223952% 4.751311% 0.095979% 0.095979% 0.000434% 0.000434% 0.076587% 0.001276% 0.013025% 0.002849% 0.011546% 0.000434% 0.028071% 0.311624% 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 Fell ENGINEERING Title: ASSISTANT

Date: 5/20/2015

E-mail Address: tyrafeil@duganproduction.com

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