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.
30-015-40962

2. Well Name:
CHECKER BIC FEDERAL COM #004H

3. Well Number:
004H

## HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:A Lot:A Section:9 Township:19S Range:31E
Feet from:660 N/S Line:N
Feet from:330 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot:A Section:9 Township:19S Range:31E
Feet from:660 N/S Line:N
Feet from:330 E/W Line:E

6. latitude: 32.6804436879549 longitude: -103.866916529675

7. County:
Eddy

8. Operator Name and Address:
YATES PETROLEUM CORPORATION
105 S 4TH ST
ARTESIA 88210

9. OGRID: 25575

10. Phone Number:

11. Last Fracture Date: 11/19/2013 Frac Performed by: Schlumberger

12. Production Type:
O

13. Pool Code(s):
97056

14. Gross Fractured Interval:
9,472 ft to 13,306 ft

15. True Vertical Depth (TVD):
9,045 ft

16. Total Volume of Fluid Pumped:
3,078,917 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) |
|---|---|---|---|---|---|---|
| 7.5 HCL, WF125, YF125FlexD, Slickwater | Schlumberger | Fracturing Fluid, Acid | Water (Including Mix Water Supplied by Client)* | 0 | 0% | 84.45773% |
| | | | Crystalline silica | 14808-60-7 | 95.82244% | 14.89298% |
| | | | Guar gum | 9000-30-0 | 1.36696% | 0.21246% |
| | | | Ethane-1,2-diol | 107-21-1 | 0.49814% | 0.07742% |
| | | | Cholinium chloride | 67-48-1 | 0.43828% | 0.06812% |
| | | | Phenolic resin | 9003-35-4 | 0.33478% | 0.05203% |
| | | | Sodium erythorbate | 6381-77-7 | 0.28504% | 0.0443% |
| | | | Hydrogen chloride | 7647-01-0 | 0.20935% | 0.03254% |
| | | | Diammonium peroxidisulphate | 7727-54-0 | 0.17938% | 0.02788% |
| | | | Propan-2-ol | 67-63-0 | 0.09831% | 0.01528% |
| | | | Alcohol, C7-9-iso, C8, ethoxylated | 78330-19-5 | 0.08532% | 0.01326% |
| | | | Glutaraldehyde | 111-30-8 | 0.06562% | 0.0102% |
| | | | Gum, xanthan | 11138-66-2 | 0.06514% | 0.01012% |
| | | | Tetrasodium ethylenediaminetetraacetate | 64-02-8 | 0.06112% | 0.0095% |
| | | | Sodium hydroxide | 1310-73-2 | 0.04798% | 0.00746% |
| | | | Sodium tetraborate | 1330-43-4 | 0.0417% | 0.00648% |
| | | | 2-Propenoic acid, polymer with sodium phosphinate | 129898-01-7 | 0.04037% | 0.00627% |
| | | | Vinylidene chloride/methylacrylate copolymer | 25038-72-6 | 0.03208% | 0.00499% |
| | | | Methanol | 67-56-1 | 0.00956% | 0.00149% |
| | | | Sodium chloride | 7647-14-5 | 0.00829% | 0.00129% |
| | | | Fatty acids, tall-oil | 61790-12-3 | 0.00702% | 0.00109% |
| | | | Acetic acid | 64-19-7 | 0.00653% | 0.00101% |
| | | | Thiourea, polymer with formaldehyde and 1-phenylethanone | 68527-49-1 | 0.00578% | 0.0009% |
| | | | Sodium Glycolate (impurity) | 2836-32-0 | 0.00495% | 0.00077% |
| | | | Calcium chloride | 10043-52-4 | 0.00382% | 0.00059% |
| | | | Non-crystalline silica | 7631-86-9 | 0.00372% | 0.00058% |
| | | | Polyethylene glycol monohexyl ether | 31726-34-8 | 0.00275% | 0.00043% |
| | | | Alcohols, C14-15, ethoxylated (7EO) | 68951-67-7 | 0.00269% | 0.00042% |
| | | | Tetrakis(hydroxymethyl) phosphonium sulfate | 55566-30-8 | 0.00216% | 0.00034% |
| | | | Prop-2-yn-1-ol | 107-19-7 | 0.00179% | 0.00028% |
| | | | Trisodium Ethylenediaminetetraacetate (impurity) | 150-38-9 | 0.00165% | 0.00026% |
| | | | Disodium Ethylene Diamine Tetra Acetate (impurity) | 139-33-3 | 0.00165% | 0.00026% |
| | | | Glycerol | 56-81-5 | 0.00153% | 0.00024% |
| | | | Crosslinked PO/EO-block polymer | 68123-18-2 | 0.00139% | 0.00022% |
| | | | Alkenes, C>10 a- | 64743-02-8 | 0.00119% | 0.00019% |
| | | | Magnesium silicate hydrate (talc) | 14807-96-6 | 0.00098% | 0.00015% |
| | | | Trisodium nitrilotriacetate (impurity) | 5064-31-3 | 0.00083% | 0.00013% |
| | | | Alkyl (c10-c14) alcohols, ethoxylated | 66455-15-0 | 0.00046% | 0% |
| | | | Alcohol, C11-14, ethoxylated | 78330-21-9 | 0.00046% | 0% |
| | | | Methyl oxirane polymer with oxirane | 9003-11-6 | 0.00046% | 0% |
| | | | 2,2'-oxydiethanol | 111-46-6 | 0.00042% | 0% |
| | | | poly(tetrafluoroethylene) | 9002-84-0 | 0.00042% | 0% |
| | | | Dioctyl sulfosuccinate sodium salt | 577-11-7 | 0.00022% | 0% |
| | | | Dicoco dimethyl quaternary ammonium chloride | 61789-77-3 | 0.00011% | 0% |
| | | | Propylene glycol | 57-55-6 | 0% | 0% |
| | | | 2-ethylhexan-1-ol | 104-76-7 | 0% | 0% |
| | | | Potassium oleate | 143-18-0 | 0% | 0% |
| | | | Oleic acid | 112-80-1 | 0% | 0% |
| | | | Acetic acid, potassium salt | 127-08-2 | 0% | 0% |
| † Proprietary Technology | | | | | 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: Tina Huerta Title: Regulatory Reporting Supervisor

Date: 1/17/2014

E-mail Address: tinah@ypcnm.com

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