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 February 15, 2012

1. WELL API NO.
30-015-41340

2. Well Name:
YESO VIKING FEDERAL #003

3. Well Number:
003

## HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:K Lot:K Section:23 Township:17S Range:27E
Feet from:2240 N/S Line:S
Feet from:1680 E/W Line:W

5. Bottom Hole Location:
Unit:K Lot:K Section:23 Township:17S Range:27E
Feet from:2240 N/S Line:S
Feet from:1680 E/W Line:W

6. latitude: 32.8186134543919 longitude: -104.252451762155

7. County:
Eddy

8. Operator Name and Address:
OXY USA WTP LIMITED PARTNERSHIP
PO Box 4294
Houston 77210

9. OGRID: 192463

10. Phone Number: 713-366-5485

11. Last Fracture Date: 8/16/2013 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
96836

14. Gross Fractured Interval:
3,292 ft to 4,349 ft

15. True Vertical Depth (TVD):
4,534 ft

16. Total Volume of Fluid Pumped:
611,837 gals

## 17. 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 | Fresh Water | 7732-18-5 | 100% | 82.93305% |
| HYDROCHLORIC ACID 10-30% | Halliburton | Solvent | Hydrochloric acid | 7647-01-0 | 30% | 0.43692% |
| SSA-2 | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 0.26752% |
| SAND - PREMIUM BROWN | Halliburton | Proppant | Crystalline silica, quartz | 14808-60-7 | 100% | 14.68244% |
| BE-9 | Halliburton | Biocide | Tributyl tetradecyl phosphonium chloride | 81741-28-8 | 10% | 0.00158% |
| Cla-Web™ | Halliburton | Additive | Ammonium salt | Confidential | 60% | 0.02099% |
| LoSurf-360W | Halliburton | Surfactant | Complex alkylamine | Confidential | 5% | 0.00355% |
| | | | Glycerine | 56-81-5 | 10% | 0.0071% |
| | | | Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy- | 61827-42-7 | 30% | 0.02129% |
| SCALECHEK LP-55 SCALE INHIBITOR | Halliburton | Scale Inhibitor | Polyacrylate | Confidential | 60% | 0.05874% |
| BC-140 | Halliburton | Crosslinker | Ethylene glycol | 107-21-1 | 30% | 0.01975% |
| | | | Monoethanolamine borate | 26038-87-9 | 60% | 0.03949% |
| HpH BREAKER | Halliburton | Breaker | Sodium chloride | 7647-14-5 | 30% | 0.00013% |
| EXPEDITE 225 COMPONENT A | Halliburton | Resin | Epoxy resin | Confidential | 100% | 0.10503% |
| | | | Butyl glycidyl ether | 2426-08-6 | 30% | 0.03151% |
| | | | Butyl lactate | 138-22-7 | 10% | 0.0105% |
| EXPEDITE 225 COMPONENT B | Halliburton | Hardener | Methanol | 67-56-1 | 60% | 0.05692% |
| | | | Modified cycloaliphatic amine adduct | Mixture | 60% | 0.05692% |
| | | | Phosphate ester | Confidential | 10% | 0.00949% |
| WG-36 GELLING AGENT | Halliburton | Gelling Agent | Guar gum | 9000-30-0 | 100% | 0.17018% |
| BE-6 MICROBIOCIDE | Halliburton | Biocide | 2-Bromo-2-nitro-1,3-propanediol | 52-51-7 | 100% | 0.00049% |
| OPTIFLO-III DELAYED RELEASE BREAKER | Halliburton | Breaker | Ammonium persulfate | 7727-54-0 | 100% | 0.00081% |
| | | | Crystalline silica, quartz | 14808-60-7 | 30% | 0.00024% |

18. 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: Jennifer Duarte Title: Regulatory Specialist

Date: 10/10/2013

E-mail Address: jennifer_duarte@oxy.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.