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.
30-015-41260

2. Well Name:
YESO VIKING FEDERAL #005

3. Well Number:
005

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:I Lot:I Section:23 Township:17S Range:27E
Feet from:1670 N/S Line:S
Feet from:860 E/W Line:E

5. Bottom Hole Location:
Unit:I Lot:I Section:23 Township:17S Range:27E
Feet from:1670 N/S Line:S
Feet from:860 E/W Line:E

6. latitude: 32.816957771421 longitude: -104.243636504899

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: 12/23/2013 Frac Performed by: Haliburton

12. Production Type:
O

13. Pool Code(s):
96836

14. Gross Fractured Interval:
3,169 ft to 4,248 ft

15. True Vertical Depth (TVD):
4,500 ft

16. Total Volume of Fluid Pumped:
582,177 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)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	82.09618%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.45671%
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.33362%
PREMIUM PROP	Halliburton	Proppant	Crystalline silica, cristobalite	14464-46-1	5%	0.75442%
			Sintered bauxite	1318-16-7	100%	15.08841%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00245%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential	60%	0.01786%
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Confidential	5%	0.00402%
			Glycerine	56-81-5	10%	0.00804%
			Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	0.02413%
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential	60%	0.05822%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential	100%	0.02573%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.15917%
			Acetic acid	64-19-7	10%	0.02653%
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.06442%
			Modified cycloaliphatic amine adduct	Mixture	60%	0.06442%
			Phosphate ester	Confidential	10%	0.01074%
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential	100%	0.08477%
			Butyl glycidyl ether	2426-08-6	30%	0.02543%
			Butyl lactate	138-22-7	10%	0.00848%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01858%
			Monoethanolamine borate	26038-87-9	100%	0.06194%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00023%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17918%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.001%
			Crystalline silica, quartz	14808-60-7	30%	0.0003%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00167%

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: Jennifer Duarte Title: Regulatory Specialist

Date: 3/20/2014

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.