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.
30-015-40855

2. Well Name:
ROO 22 STATE #014

3. Well Number:
014

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:D Lot:D Section:22 Township:17S Range:28E
Feet from:1175 N/S Line:N
Feet from:212 E/W Line:W

5. Bottom Hole Location:
Unit:D Lot:D Section:22 Township:17S Range:28E
Feet from:1175 N/S Line:N
Feet from:212 E/W Line:W

6. latitude: 32.8239051569299 longitude: -104.171502348386

7. County:
Eddy

8. Operator Name and Address:
OXY USA INC
PO Box 4294
Houston 77210

9. OGRID: 16696

10. Phone Number: 713-366-5485

11. Last Fracture Date: 6/21/2013 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
96830

14. Gross Fractured Interval:
3,513 ft to 4,852 ft

15. True Vertical Depth (TVD):
4,957 ft

16. Total Volume of Fluid Pumped:
627,947 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	N/A			100%	83.3787%
FE ACID - >10% HCL	Halliburton	N/A	Hydrochloric acid	7647-01-0	15%	0.43992%
SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.32206%
SAND - PREMIUM BROWN	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	14.1354%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00416%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential	60%	0.02666%
LOSURF-360W	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl),alpha.-isodecyl-omega.-hydroxy-	61827-42-7	30%	0.02541%
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential	60%	0.05693%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.07054%
			Acetic acid	64-19-7	10%	0.01176%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.01763%
			Monoethanolamine borate	26038-87-9	60%	0.03525%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00022%
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential	100%	0.09981%
			Butyl glycidyl ether	2426-08-6	30%	0.02994%
			Butyl lactate	138-22-7	10%	0.00998%
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.06217%
			Modified cycloaliphatic amine adduct	Mixture	60%	0.06217%
			Phosphate ester	Confidential	10%	0.01036%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.13058%
K-35	Halliburton	Additive	Sodium carbonate	497-19-8	100%	0.00315%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00071%
			Walnut hulls	Mixture	100%	0.00236%

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.