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.
30-015-28391

2. Well Name:
GOVERNMENT R #002

3. Well Number:
002

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:K Lot:K Section:14 Township:20S Range:28E
Feet from:2310 N/S Line:S
Feet from:2310 E/W Line:W

5. Bottom Hole Location:
Unit:K Lot:K Section:14 Township:20S Range:28E
Feet from:2310 N/S Line:S
Feet from:2310 E/W Line:W

6. latitude: 32.5727604148704 longitude: -104.149283443786

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: 8/12/2013 Frac Performed by: Baker Hughes

12. Production Type:
O

13. Pool Code(s):
52810

14. Gross Fractured Interval:
4,918 ft to 5,093 ft

15. True Vertical Depth (TVD):
7,708 ft

16. Total Volume of Fluid Pumped:
101,388 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)
Water	Operator	Carrier	Water	7732-18-5	100%	80.8886%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00345%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.00145%
Alpha 114, 260 gl tote	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.01508%
			Quaternary Ammonium Compound	68424-85-1	5%	0.00251%
BC-3	Baker Hughes	Breaker Catalyst	Contains non-hazardous ingredents which are listed in in the non-MSDS section of the report	NA	0%	0%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.0017%
			Methanol	67-56-1	60%	0.00341%
			Olefin	Trade Secret	5%	0.00028%
			Polyoxyalkylenes	Trade Secret	30%	0.0017%
			Propargyl Alcohol	107-19-7	10%	0.00057%
			Thiourea Polymer	68527-49-1	30%	0.0017%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.07964%
			Water	7732-18-5	30%	0.03186%
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.00703%
			Ammonium Hydroxide	1336-21-6	5%	0.00035%
			Cupric Chloride	7447-39-4	5%	0.00035%
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0	100%	0.03827%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.5769%
			Petroleum Distillate Blend (1)	64742-47-8	70%	0.67305%
			Petroleum Distillate Blend (3)	8042-47-5	70%	0.67305%
			Petroluem Distillate Blend (2)	64742-55-8	70%	0.67305%
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.13876%
			Water	7732-18-5	85%	0.78629%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.01292%
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.01771%
			Mixture of Surfactants	Trade Secret	50%	0.02952%
			Water	7732-18-5	30%	0.01771%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.0016%
			Propylene Glycol	57-55-6	30%	0.00096%
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.32175%
Scaletrol 720, 330 gl tote	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00579%
			Ethylene Glycol	107-21-1	30%	0.03475%
Super LC, 16/30	Baker Hughes	Proppant	Hexamethylenetetramine	100-97-0	0.01%	0.00053%
			P/F Resin	9003-35-4	5%	0.26352%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	5.11228%
Superset-W, 55 gal drum	Baker Hughes	Activator	Methanol	67-56-1	50%	0.06498%
			Poly (Oxyethylene) Nonylphenol Ether	9016-45-9	50%	0.06498%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.07204%
			Sodium Hydroxide	1310-73-2	10%	0.02401%
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.07204%

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: 11/18/2013

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.