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. 30-025-41237
2. Well Name: RED TANK 33 FEDERAL #001H
3. Well Number: 001H

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:P Lot:P Section:33 Township:22S Range:32E
Feet from:330 N/S Line:S
Feet from:330 E/W Line:E

5. Bottom Hole Location:
Unit:A Lot:A Section:33 Township:22S Range:32E
Feet from:130 N/S Line:N
Feet from:766 E/W Line:E

6. latitude: 32.3416923567331 longitude: -103.672196708781

7. County: Lea

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

9. OGRID: 16696

10. Phone Number: 713-366-5069

11. Last Fracture Date: 1/25/2015 Frac Performed by: NABORS

12. Production Type: O

13. Pool Code(s): 51689

14. Gross Fractured Interval: 8,690 ft to 12,788 ft

15. True Vertical Depth (TVD): 8,431 ft

16. Total Volume of Fluid Pumped: 1,633,716 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	OCCIDENTAL PETROLEUM	Water	Water	7732-18-5	100%	43.23227%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL	112-30-1	5%	5E-05%
			1-OCTANOL	111-87-5	2.5%	3E-05%
			2-Butoxyethanol	111-76-2	7%	7E-05%
			Cinnamaldehyde	104-55-2	6%	6E-05%
			Ethoxylated Nonyphenol	68412-54-4	5%	5E-05%
			Ethylene Glycol	107-21-1	40%	0.00041%
			Isopropyl Alcohol	67-63-0	2.5%	3E-05%
			N,N-Dimethylformamide	68-12-2	20%	0.0002%
			Triethyl Phosphate	78-40-0	2.5%	3E-05%
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	20° Baume Hydrochloric Acid	7647-01-0	100%	0.03028%
			Water	7732-18-5	100%	0.02969%
ClayTreat LT	Nabors Completion and Production Services	Clay Control Additives	Water	7732-18-5	65%	0.03013%
XLSTA-1	Nabors Completion and Production Services	Cross-linkers	Sodium Thiosulfate	7772-98-7	40%	0.00999%
			Water	7732-18-5	70%	0.01748%
OB-2	Nabors Completion and Production Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.00227%
			Sillica, crystalline quartz	7631-86-9	10%	0.00023%
LSG-100	Nabors Completion and Production Services	Gelling Agents	guar gum	9000-30-0	50%	0.1037%
			Petroleum Distillates	64742-47-8	60%	0.12444%
			Surfactant	68439-51-0	2%	0.00415%
IC-100L	Nabors Completion and Production Services	Iron Control Additives	Citric Acid Anhydrous	77-92-9	50%	0.0011%
PH-15L	Nabors Completion and Production Services	pH Control Additives	Sodium Chloride	7647-14-5	7%	0.00036%
			Sodium Hydroxide	1310-73-2	60%	0.00311%
TX Specific 16/30 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.04374%
			Crystalline Silica, quartz	14808-60-7	99.9%	3.97219%
			Iron Oxide	1309-37-1	0.1%	0.00398%
			Titanium Oxide	13463-67-7	0.1%	0.00398%
TX Specific 20/40 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.01552%
			Crystalline Silica, quartz	14808-60-7	99.9%	1.40942%
			Iron Oxide	1309-37-1	0.1%	0.00141%
			Titanium Oxide	13463-67-7	0.1%	0.00141%
XL-11	Nabors Completion and Production Services	Cross-linkers	Ethylene Glycol	107-21-1	10%	0.00689%
			Potassium Hydroxide	1310-58-3	5%	0.00345%
			Potassium Metaborate	13709-94-9	30%	0.02067%
			Water	7732-18-5	75%	0.05167%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Aliphatic Hydrocarbons	Proprietary	95%	0.00383%
			Dodecane	Proprietary	14%	0.00056%
			tetradecane	Proprietary	11%	0.00044%
			Tridecane	Proprietary	9%	0.00036%
			Undecane	Proprietary	8%	0.00032%
EB-20L	Nabors Completion and Production Services	Gel Breakers	Hemicellulase Enzyme	Proprietary	1%	2E-05%
Super TSC 2 LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	AMINO METHYLENE PHOSPHONIC ACID SALT	68649-44-5	100%	0.0025%
			Methanol	67-56-1	100%	0.00924%
Super OW 4	Nabors Completion and Production Services	Surfactants & Foamers	2-Butoxyethanol	111-76-2	15%	7E-05%
			Fatty Amide, Sodium Salt	Proprietary	15%	7E-05%
			Glycerin	56-81-5	5%	2E-05%
AQUCAR DB 20	Nabors Completion and Production Services	Biocides	2,2-Dibromo-3-nitrilo-propionamide (DBNPA)	10222-01-2	20%	0.00228%
			Dibromoacetonitrile	3252-43-5	3%	0.00034%
			Polyethylene glycol	25322-68-3	54.5%	0.00621%
			Sodium bromide	7647-15-6	4%	0.00046%
Super Stim-340 E	Nabors Completion and Production Services	Surfactants & Foamers	Non-Hazardous Mixture	Proprietary	100%	0.04461%
Momentive Black Ultra 16/30	Nabors Completion and Production Services	Proppants - Manufactured - Momentive	*Quartz (SiO2)	14808-60-7	100%	50.89066%
			Furfuryl Alcohol	98-00-0	1%	0.50891%

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: David Stewart Title: Sr. Regulatory Advisor

Date: 4/13/2015

E-mail Address: david_stewart@oxy.com

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