

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:  
30-025-41885

2. Well Name:  
RED TANK 31 STATE #005H

3. Well Number:  
005H

HYDRAULIC FRACTURING FLUID  
DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:  
Unit:A    Lot:A    Section:31    Township:22S    Range:33E  
Feet from:660    N/S Line:N  
Feet from:150    E/W Line:E

5. Bottom Hole Location:  
Unit:1    Lot:1    Section:31    Township:22S    Range:33E  
Feet from:657    N/S Line:N  
Feet from:289    E/W Line:W

6. latitude:  
32.3537001226132    longitude:  
-103.603561482901

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:  
10/28/2014    Frac Performed by:  
Nabors

12. Production Type:  
O

13. Pool Code(s):  
51687

14. Gross Fractured Interval:  
11,056 ft to 15,276 ft

15. True Vertical Depth (TVD):  
10,750 ft

16. Total Volume of Fluid Pumped:  
2,373,000 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%	76.10159%
Acid Inhibitor 3M (AI-3M)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	1-DECANOL 1-OCTANOL 2-Butoxyethanol Cinnamaldehyde Ethoxylated Nonyphenol Ethylene Glycol Isopropyl Alcohol N,N-Dimethylformamide Triethyl Phosphate	112-30-1 111-87-5 111-76-2 104-55-2 68412-54-4 107-21-1 67-63-0 68-12-2 78-40-0	5% 2.5% 7% 6% 5% 40% 2.5% 20% 2.5%	0.00039% 0.00019% 0.00054% 0.00047% 0.00039% 0.0031% 0.00019% 0.00155% 0.00019%
HCL Acid (0%-7.5%)	Nabors Completion and Production Services	Bulk Acid	20° Baume Hydrochloric Acid	7647-01-0	100%	0.34286%
KR-153SL	Nabors Completion and Production Services	Biocides	Water	7732-18-5	100%	1.38006%
			2,2-dibromo-3-nitrilopropionamide	10222-01-2	20%	0.00525%
			Polyethylene-Glycol	25322-68-3	50%	0.01311%
ClayTreat LT	Nabors Completion and Production Services	Clay Control Additives	Water	7732-18-5	65%	0.06944%
XLSTA-1	Nabors Completion and Production Services	Cross-linkers	Sodium Thiosulfate	7772-98-7	30%	0.03431%
			Water	7732-18-5	70%	0.08005%
OB-2	Nabors Completion and Production Services	Gel Breakers	Ammonium Persulfate	7727-54-0	100%	0.01112%
			Silica, crystalline quartz	7631-86-9	10%	0.00111%
LSG-100	Nabors Completion and Production Services	Gelling Agents	guar gum	9000-30-0	50%	0.21471%
			Petroleum Distillates	64742-47-8	60%	0.25765%
			Surfactant	68439-51-0	2%	0.00859%
IC-100L	Nabors Completion and Production Services	Iron Control Additives	Citric Acid Anhydrous	77-92-9	50%	0.00419%
PH-15L	Nabors Completion and Production Services	pH Control Additives	Sodium Chloride	7647-14-5	7%	0.00214%
			Sodium Hydroxide	1310-73-2	60%	0.01834%
TX Specific 100 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - Texas	Aluminum Oxide	1344-28-1	1.1%	0.00589%
			Crystalline Silica, quartz	14808-60-7	99.9%	0.53473%
			Iron Oxide	1309-37-1	0.1%	0.00054%
			Titanium Oxide	13463-67-7	0.1%	0.00054%
Santrol Super LC 20/40	Nabors Completion and Production Services	Proppants - Manufactured - Santrol	Aluminum Oxide	1344-28-1	1%	0.1962%
			Crystalline Silica (Quartz)	14808-60-7	89%	17.46188%
			Iron Oxide	1309-37-1	0.1%	0.01962%
			phenolic resin	9003-35-4	20%	3.92402%
			Titanium Oxide	13463-67-7	0.1%	0.01962%
Santrol Super LC 30/50	Nabors Completion and Production Services	Proppants - Manufactured - Santrol	Aluminum Oxide	1344-28-1	1%	0.00619%
			Crystalline Silica (Quartz)	14808-60-7	89%	0.55065%
			Iron Oxide	1309-37-1	0.1%	0.00062%
			phenolic resin	9003-35-4	20%	0.12374%
			Titanium Oxide	13463-67-7	0.1%	0.00062%
XL-11	Nabors Completion and Production Services	Cross-linkers	Ethylene Glycol	107-21-1	10%	0.02511%
			Potassium Hydroxide	1310-58-3	5%	0.01256%
			Potassium Metaborate	13709-94-9	30%	0.07533%
			Water	7732-18-5	75%	0.18832%
Acetic Acid (80%)	Nabors Completion and Production Services	Bulk Acid	Glacial Acetic Acid	64-19-7	82%	0.12612%
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives	Aliphatic Hydrocarbons	Proprietary	95%	0.00649%
			Dodecane	Proprietary	14%	0.00096%
			tetradecane	Proprietary	11%	0.00075%
			Tridecane	Proprietary	9%	0.00062%
			Undecane	Proprietary	8%	0.00055%
EB-20L	Nabors Completion and Production Services	Gel Breakers	Hemicellulase Enzyme	Proprietary	1%	6E-05%
Super TSC 2 LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	AMINO METHYLENE PHOSPHONIC ACID SALT	68649-44-5	100%	0.00618%
			Methanol	67-56-1	100%	0.02279%
Super OW 4	Nabors Completion and Production Services	Surfactants & Foamers	2-Butoxyethanol	111-76-2	15%	0.00028%
			Fatty Amide, Sodium Salt	Proprietary	15%	0.00028%
			Glycerin	56-81-5	5%	9E-05%
Super Stim-340 E	Nabors Completion and Production Services	Surfactants & Foamers	Non-Hazardous Mixture	Proprietary	100%	0.22474%

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: 12/29/2014

E-mail Address: david\_stewart@oxy.com

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