

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

1. WELL API NO:
30-015-39849

2. Well Name:
ROGERS #003

3. Well Number:
003

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒Original
☐Amendment

4. Surface Hole Location:
Unit: H Lot: H Section: 23 Township: 18S Range: 26E
Feet from: 1650 N/S Line: N
Feet from: 990 E/W Line: E

5. Bottom Hole Location:
Unit: H Lot: H Section: 23 Township: 18S Range: 26E
Feet from: 1650 N/S Line: N
Feet from: 990 E/W Line: E

6. Latitude:
32.7360077012526 Longitude:
-104.347368929426

7. County:
Eddy

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

9. OGRID:
16696

10. Phone Number:
713-366-5495

11. Last Fracture Date: 6/29/2012 Frac Performed by: HALLIBURTON

12. Production Type:
O

13. Pool Code(s):
3250

14. Gross Fractured Interval:
2,929 ft to 3,603 ft

15. True Vertical Depth (TVD):
3,722 ft

16. Total Volume of Fluid Pumped:
406,107 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				100%	83.63034%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	1.21808%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.29595%
Premium Brown 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	13.34193%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00272%
			Ammonium acetate	631-61-8	100%	0.00906%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02669%
			Monooethanolamine borate	26038-87-9	100%	0.08895%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00362%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.04473%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Acetic acid	64-19-7	10%	0.00651%
			Ethylene glycol monobutyl ether	111-76-2	60%	0.03907%
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential Business Information	100%	0.12936%
			Butyl glycidyl ether	2426-08-6	30%	0.03881%
			Butyl lactate	138-22-7	10%	0.01294%
			Methanol	67-56-1	60%	0.0716%
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Modified cycloaliphatic amine adduct	Mixture	60%	0.0716%
			Phosphate ester	Confidential Business Information	10%	0.01193%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00102%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.23074%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.23074%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00073%
			Ethanol	64-17-5	60%	0.04407%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02203%
			Naphthalene	91-20-3	5%	0.00367%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00367%
HYDROCHLORIC ACID	Halliburton	Solvent	Hydrochloric acid	7647-01-0	60%	0.31089%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00121%
			Propargyl alcohol	107-19-7	10%	0.0002%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	1E-05%
			Ethanol	64-17-5	60%	0.00061%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00031%
			Naphthalene	91-20-3	5%	5E-05%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	5E-05%
FE-5A	Halliburton	Iron Reducing Agent	Thioglycolic acid	68-11-1	100%	0.0025%
FR-36	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	40%	0.00204%
BE-6 MICROBIOCIDES	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00089%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-oxo-1-(4-sulfo-phenyl)-4-[(4-sulfo-phenyl)azo]-, trisodium salt	1934-21-0	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfo-1-naphthalenyl)azo]-, trisodium salt	915-67-3	0%	0%
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfo-phenyl)azo]-, disodium salt	2783-94-0	0%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Ethylenediamine	107-15-3	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%
			FD&C Blue 1	3844-45-9	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Organo Amino Silane	Confidential Business Information	0%	0%
			Oxalkylated alcohol	Mixture	0%	0%
			Oxalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Oxalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Phosphoric acid	7664-38-2	0%	0%
			Polyacrylate	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl, salts with bentonite	68953-58-2	0%	0%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%
			Siloxanes and silicones, dimethyl,	63148-52-7	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Water	7732-18-5	0%	0%

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: Keith Barton

Regulatory Team
Title: Leader

Date: 10/2/2013

E-mail Address: keith_barton@oxy.com

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