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 9, 2012

1. WELL API NO.: 30-025-42741
2. Well Name: QUESO STATE #006H
3. Well Number: 006H
4. Surface Hole Location: Unit: P Lot: P Section: 36 Township: 23S Range: 32E; Feet from: 373 N/S Line: S; Feet from: 260 E/W Line: E
5. Bottom Hole Location: Unit: A Lot: A Section: 36 Township: 23S Range: 32E; Feet from: 333 N/S Line: N; Feet from: 386 E/W Line: E
6. Latitude: 32.267457 Longitude: -103.620505
7. County: Lea

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original
☐ Amendment

8. Operator Name and Address: CXO PRODUCTION, LLC, 600 W. Illinois Ave, Midland, 79705
9. OGRID: 217955
10. Phone Number: 432-685-4372
11. Last Fracture Date: 12/6/2015 Frac Performed by: Halliburton
12. Production Type: O
13. Pool Code(s): 96503
14. Gross Fractured Interval: 9,779 ft to 13,795 ft
15. True Vertical Depth (TVD): 9,540 ft
16. Total Volume of Re-Use Water Pumped: 7,572,689 gals
17. Total Volume of Re-Use Water Pumped: 9,540 ft
18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed

☒ HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:

Trade Name	Supplier	Purpose	Ingredients	CAS # (if Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Fresh Water	Operator	Base Fluid	Fresh Water	7732-18-5	100%	88.24571%
HYDROCHLORIC ACID	Halliburton	Base Fluid	NA	NA	0%	0%
BE-9W, CAB-WM(TM), FDP-S1145-14, FE-1A ACIDIZING	Halliburton	Additive, Biocide, Breaker, Concentrate, Corrosion Inhibitor, Friction Reducer, Gelling Agent, Proppant	NA	NA	0%	0%
SAND-PREMIUM WHITE-40/70, BULK, WG-36 GELLING AGEN	Halliburton		NA	NA	0%	0%
Paraloc0, Scaletrol	Baker Hughes	Paraffin Inhibitor, Scale Inhibitor	NA	NA	0%	0%
ScaleSorb	Baker Petrolite	Scale Inhibitor	NA	NA	0%	0%
			1,2-Benzisothiazolin-3-one	2634-33-5	0.1%	0%
			Acetic acid	64-19-7	60%	0.00307%
			Acetic anhydride	108-24-7	100%	0.00512%
			Alcohols ethoxylated	Confidential	5%	0.00021%
			Alcohols, C14-C15, ethoxylated	68951-67-7	30%	0.00026%
			Alkane	Confidential	1%	0%
			Amide	Confidential	5%	0.00021%
			Amine salts	Confidential	0.1%	0.0001%
			Ammonium chloride	12125-02-9	5%	0.00021%
			Ammonium salt	Confidential	60%	0.02915%
			Bentonite, benzyl(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	5%	0.00817%
			C.I. Pigment Red 5	6410-41-9	1%	2E-05%
			Calcium Chloride (CaCl2)	10043-52-4	5%	0.00711%
			Citric acid	77-92-9	60%	0.03119%
			Citrus, extract	94266-47-4	10%	0.00967%
			Complex alkylamine	Confidential	5%	1E-05%
			Crystalline silica, quartz	14808-60-7	100%	11.26089%
			Cured acrylic resin	Confidential	30%	0.00045%
			Diatomaceous earth, calcined	91053-39-3	65%	0.00079%
			Enzyme	Confidential	5%	8E-05%
			Ethoxylated alcohol	Proprietary	30%	0.00046%
			Ethoxylated alcohols	Confidential	5%	0.00434%
			Ethoxylated fatty acid	Confidential	30%	0.00967%
			Ethylene glycol	107-21-1	30%	0.00797%
			Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	0.01%	0%
			Fatty acids, tall oil	Confidential	30%	0.00026%
			Glycerine	56-81-5	10%	3E-05%
			Glycol	Confidential	5%	0.00967%
			Guar gum	9000-30-0	100%	0.12398%
			Hydrochloric acid	7647-01-0	60%	0.0269%
			Hydrogen peroxide	7722-84-1	0.01%	0%
			Hydrotreated light petroleum distillate	64742-47-8	30%	0.00126%
			Isopropanol	67-63-0	30%	0.00802%
			Methanol	67-56-1	60%	0.00051%
			Methyl alcohol	67-56-1	30%	0.03646%
			Mineral oil	8042-47-5	30%	0.00133%
			Nitrilotriacetic acid, trisodium salt monohydrate	5064-31-3	0.01%	0%
			Olefins	Confidential	5%	0.00011%
			Organic salt	Confidential	0.1%	9E-05%
			Organophosphorous salt	Proprietary	40%	0.00377%
			Polyoxy-1,2-ethanediyl), alpha -(decoxy)-omega -hydroxy-	61827-42-7	30%	8E-05%
			Polyacrylamide copolymer	Confidential	30%	0.01126%
			Propargyl alcohol	107-19-7	10%	9E-05%
			Proprietary Component	Proprietary	30%	0.03646%
			Proprietary Component	Proprietary	10%	0.00852%
			Propylene glycol	57-55-6	60%	0.02641%
			Quaternary amine	Confidential	5%	0.02641%
			Reaction product of acetophenone, formaldehyde, thiourea, and oleic acid in dimethyl formamide	68527-49-1	30%	0.00026%
			Silica gel	112926-00-8	1%	0.00123%
			Sodium bicarbonate	144-55-8	0.01%	0%
			Sodium chloride	7647-14-5	30%	0.00269%
			Sodium glycolate	2836-32-0	0.01%	0%
			Sodium hydroxide	1310-73-2	0.01%	0%
			Sodium persulfate tetrahydrate	10486-00-7	100%	0.00004%
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1%	4E-05%
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1%	4E-05%
			Surfactant mixture	Confidential	1%	0.00247%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00447%
			Walnut hulls	NA	100%	0.00146%
			Water	7732-18-5	100%	0.22908%

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: Storm Davis Title: Senior Regulatory Analyst

Date: 1/13/2016

E-mail Address: sdavis@cxoenergy.com

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