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 February 15, 2012

1. WELL API NO.
30-015-40434

2. Well Name:
PIGLET 21 STATE #019

3. Well Number:
019

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:I Lot:I Section:21 Township:17S Range:28E
Feet from:2090 N/S Line:S
Feet from:1190 E/W Line:E

5. Bottom Hole Location:
Unit:I Lot:I Section:21 Township:17S Range:28E
Feet from:2090 N/S Line:S
Feet from:1190 E/W Line:E

6. latitude: 32.8184126406061 longitude: -104.176174238755

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: 5/16/2013 Frac Performed by: HALLIBURTON

12. Production Type:
O

13. Pool Code(s):
96830

14. Gross Fractured Interval:
3,612 ft to 4,749 ft

15. True Vertical Depth (TVD):
4,830 ft

16. Total Volume of Fluid Pumped:
500,359 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%	83.24115%
HYDROCHLORIC ACID 10-30%	Halliburton	Acid	Hydrochloric acid	7647-01-0	30%	0.40214%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.31916%
Premium Brown 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	14.37067%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00147%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02017%
LOSURF-360W	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-	61827-42-7	30%	10%
			Glycerine	56-81-5	10%	5%
			Complex alkylamine	Confidential Business Information	5%	1%
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.0556%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.0699%
			Acetic acid	64-19-7	10%	0.01165%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02067%
			Monoethanolamine borate	26038-87-9	100%	0.06891%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00027%
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential Business Information	100%	0.15011%
			Butyl glycidyl ether	2426-08-6	30%	0.04503%
			Butyl lactate	138-22-7	10%	0.01501%
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.05432%
			Modified cycloaliphatic amine adduct	Mixture	60%	0.05432%
			Phosphate ester	Confidential Business Information	10%	0.00905%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.15657%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.00299%
			Crystalline silica, quartz	14808-60-7	30%	0.0009%
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.001%
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-sulfophenyl)-4-[(4-sulfophenyl)azo]-, trisodium salt	1934-21-0	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl) azo] -, trisodium salt	915-67-3	0%	0%
			2,7-Naphthalenedisulfonic acid, 5-(acetylamino) -4-hydroxy-3-[(2-methoxyphenyl) azo] -, disodium salt	6625-46-3	0%	0%
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfophenyl)azo]-, disodium salt	2783-94-0	0%	0%
			Amine Salts	75-57-0	0%	0%
			Amine Salts	593-81-7	0%	0%
			Bentonite, benzyl (hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline Silica, Quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Mixture	0%	0%
			Enzyme	37288-54-3	0%	0%
			Ethylenediamine	107-15-3	0%	0%
			FD&C Blue 1	3844-45-9	0%	0%
			Food red 10	3734-67-6	0%	0%
			Organo Amino Silane	1760-24-3	0%	0%
			Phosphoric acid	7664-38-2	0%	0%
			Quaternary Amine	34004-36-9	0%	0%
			Quaternary Amine	3327-22-8	0%	0%
			Quaternary Amine	75-50-3	0%	0%
			Quaternary Amine	177149-89-2	0%	0%
			Silica gel	112926-00-8	0%	0%
			Siloxanes and silicones, dimethyl,	63148-52-7	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	0%	0%
			Surfactant Mixture	67254-71-1	0%	0%
			Surfactant Mixture	56449-46-8	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 Title: Regulatory Team Leader

Date: 10/2/2013

E-mail Address: keith_barton@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.