

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.
30-015-38555

2. Well Name:
PURE GOLD B FEDERAL #016

3. Well Number:
016

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:F Lot:F Section:20 Township:23S Range:31E
Feet from:1698 N/S Line:N
Feet from:1818 E/W Line:W

5. Bottom Hole Location:
Unit:F Lot:F Section:20 Township:23S Range:31E
Feet from:1698 N/S Line:N
Feet from:1818 E/W Line:W

6. Latitude:
32.2925254675991
Longitude:
-103.802471100778

7. County:
Eddy

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

9. OGRID:
16696

10. Phone Number:
713-366-5485

11. Last Fracture Date: 1/10/2012 Frac Performed by: Halliburton

12. Production Type:
O

13. Pool Code(s):
53815

14. Gross Fractured Interval:
6,328 ft to 6,338 ft

15. True Vertical Depth (TVD):
8,232 ft

16. Total Volume of Fluid Pumped:
3,794 bbls

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%	81.78226%
HYDROCHLORIC ACID 5-10%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	1.59676%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.24613%
CRC Premium 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	15.02746%
			Hexamethylenetetramine	100-97-0	2%	0.30055%
			Phenol / formaldehyde resin	9003-35-4	5%	0.75137%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.32276%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.32276%
BC-200 UC	Halliburton	Crosslinker	Modified Alkane	Confidential Business Information	60%	0.08129%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00352%
			Potassium metaborate	13709-94-9	60%	0.04229%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.02959%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00034%
			Ethanol	64-17-5	60%	0.02027%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.01013%
			Naphthalene	91-20-3	5%	0.00169%
			Poly(oxy-1,2-ethanediy), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00169%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.003%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.17251%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.17251%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00085%
SCALECHECK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.08114%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.00407%
			Ammonium acetate	631-61-8	100%	0.01356%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.00993%
			Acetic anhydride	108-24-7	100%	0.01654%
FE-5A	Halliburton	Iron Reducing Agent	Thioglycolic acid	68-11-1	100%	0.01771%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00082%
			Propargyl alcohol	107-19-7	10%	0.00014%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	1E-05%
			Ethanol	64-17-5	60%	0.00083%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00042%
			Naphthalene	91-20-3	5%	7E-05%
			Poly(oxy-1,2-ethanediy), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	7E-05%
FR-38	Halliburton	Friction Reducer	Acetic acid	64-19-7	5%	9E-05%
			Ammonium sulfate	Confidential Business Information	30%	0.00055%
			Inorganic salt	Confidential Business Information		
BE-6 MICROBIOCIDE	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.00258%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	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-Ethyl hexanol	104-76-7	0%	0%
			Acrylamide copolymer	Proprietary	0%	0%
			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Amine Salt	Confidential Business Information	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
			Borate salts	Confidential Business Information	0%	0%
			Butyl alcohol	71-36-3	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Defoamer	Proprietary	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0%
			Food red 10	3734-67-6	0%	0%
			Glycerine	56-81-5	0%	0%
			Methanol	67-56-1	0%	0%
			Modified acrylamide copolymer	Proprietary	0%	0%
			Modified acrylate polymer	Proprietary	0%	0%
			Modified bentonite	Confidential Business Information	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%
			Organic salt	Confidential Business Information	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Oxyalkylated Phenolic Resin	Confidential Business Information	0%	0%
			Propylene carbonate	108-32-7	0%	0%
			Propylene glycol	57-55-6	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%
			Silica, amorphous - fumed	7631-86-9	0%	0%
			Sodium acetate	127-09-3	0%	0%
			Sodium carbonate	497-19-8	0%	0%
			Sodium Chloride	7647-14-5	0%	0%
			Sodium sulfate	7757-82-6	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.

Signed Electronically

Printed Name: KAREN M SINARD

Title:

Date: 7/5/2012

E-mail Address: karen_sinard@oxy.com

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