

**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. 30-015-37334
2. Well Name: FEDERAL 23 #009
3. Well Number: 009
4. Surface Hole Location: Unit:H Lot:H Section:23 Township:22S Range:31E Feet from:2261 N/S Line:N Feet from:656 E/W Line:E
5. Bottom Hole Location: Unit:H Lot:H Section:23 Township:22S Range:31E Feet from:2261 N/S Line:N Feet from:656 E/W Line:E
6. Latitude: 32.3780054986554 Longitude: 103.742209746308
7. County: Eddy

HYDRAULIC FRACTURING FLUID DISCLOSURE

Original

Amendment

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: 1/4/2012 Frac Performed by: Halliburton	12. Production Type: O	
13. Pool Code(s): 39360	14. Gross Fractured Interval: 8,397 ft to 8,518 ft	
15. True Vertical Depth (TVD): 8,690 ft	16. Total Volume of Fluid Pumped: 3,761 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%	83.34078%
HYDROCHLORIC ACID 5-10%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	1.63957%
100 Mesh	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.25273%
CRC Premium 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	13.31642%
			Hexamethylenetetramine	100-97-0	2%	0.26633%
			Phenol / formaldehyde resin	9003-35-4	5%	0.66582%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00272%
SCALECHECK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.08559%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00079%
			Ethanol	64-17-5	60%	0.04732%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02366%
			Naphthalene	91-20-3	5%	0.00394%
			Poly(oxy-1,2-ethanediy), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00394%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.04132%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.06331%
BC-200 UC	Halliburton	Crosslinker	Modified Alkane	Confidential Business Information	60%	0.06203%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00165%
			Potassium metaborate	13709-94-9	60%	0.01985%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.17628%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.17628%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00087%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.3568%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.3568%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60%	0.01019%
			Acetic anhydride	108-24-7	100%	0.01699%
FE-5A	Halliburton	Iron Reducing Agent	Thioglycolic acid	68-11-1	100%	0.01819%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00084%
			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%	0.00086%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00043%
			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%	0.00056%
			Inorganic Salt			
BE-6 MICROBIOCID	Halliburton	Biocide	2-Bromo-2-nitro-1,3-propanediol	52-51-7	100%	0.0019%
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-sulfur-1-naphthalenyl)azo]-, trisodium salt	915-67-3	0%	0%
			2,7-Naphthalenedisulfonic acid, 5-(acetyl amino)-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.

Signature: Signed Electronically Printed Name: KAREN M SINARD Title: _____

Date: 7/5/2012

E-Mail Address: karen_sinard@oxy.com

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