

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: 30-025-40753							
		2. Well Name: AMOCO 21 FEDERAL #001H							
		3. Well Number: 001H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: A Lot: A Section: 21 Township: 19S Range: 32E Feet from: 470 N/S Line: N Feet from: 660 E/W Line: E							
		5. Bottom Hole Location: Unit: A Lot: A Section: 21 Township: 19S Range: 32E Feet from: 470 N/S Line: N Feet from: 660 E/W Line: E							
		6. Latitude: 32.6518500671662 Longitude: -103.764784056781							
		7. County: Lea							
8. Operator Name and Address: OCCIDENTAL PERMIAN LTD PO Box 4294 Houston 77210		9. OGRID: 157984	10. Phone Number: 713-366-5485						
11. Last Fracture Date: 2/6/2013 Frac Performed by: HALLIBURTON		12. Production Type: O							
13. Pool Code(s): 41442		14. Gross Fractured Interval: 9,954 ft to 13,452 ft							
15. True Vertical Depth (TVD): 13,566 ft		16. Total Volume of Fluid Pumped: 1,273,853 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%	85.84679%			
HYDROCHLORIC ACID 10-30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.39144%			
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.64061%			
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	8.24994%			
			Hexamethylenetetramine	100-97-0	2%	0.165%			
			Phenol / formaldehyde resin	9003-35-4	5%	0.4125%			
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02414%			
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00192%			
SCALECHECK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.1224%			
LoSurf-360W	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00068%			
			Ethanol	64-17-5	60%	0.04063%			
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02031%			
			Naphthalene	91-20-3	5%	0.00339%			
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00339%			
BC-200 UC	Halliburton	Crosslinker	Modified Alkane	Confidential Business Information	60%	0.05501%			
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00247%			
			Potassium metaborate	13709-94-9	60%	0.0296%			
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.07773%			
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.07773%			
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01371%			
D-AIR 3000L	Halliburton	Defoamer	Alkenes	Confidential Business Information	100%	0.01735%			
			Silica, amorphous precipitated	67762-90-7	30%	0.00521%			
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.01827%			
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.27041%			
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100%	0.00364%			
K-34	Halliburton	Buffer	Sodium bicarbonate	144-55-8	100%	0.00081%			
Ingredients Listed Below This Line Are Part of the			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%			
			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%			
			Borate salts	1319-33-1	0%	0%			
			Butyl alcohol	71-36-3	0%	0%			
			Crystalline silica, quartz	14808-60-7	0%	0%			
			Food red 10	3734-67-6	0%	0%			
			Methanol	67-56-1	0%	0%			
			Modified bentonite	68953-58-2	0%	0%			
			Organic salt	26264-06-2	0%	0%			
			Oxyalkylated Phenolic Resin	29316-47-0	0%	0%			
			Oxyalkylated Phenolic Resin	63428-92-2	0%	0%			
			Polypropylene glycol	25322-69-4	0%	0%			
			Propylene carbonate	108-32-7	0%	0%			
			Propylene glycol	57-55-6	0%	0%			
			Quaternary Amine	34004-36-9	0%	0%			
			Quaternary Amine	3327-22-8	0%	0%			
			Quaternary Amine	75-50-3	0%	0%			
			Silica gel	112926-00-8	0%	0%			
			Sodium carbonate	497-19-8	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		Regulatory Team Title: 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.