

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505		1. WELL API NO: 30-015-40531				
		2. Well Name: ROO 22 STATE #009				
		3. Well Number: 009				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: M Lot: M Section: 22 Township: 17S Range: 28E Feet from: 330 N/S Line: S Feet from: 870 E/W Line: W				
		5. Bottom Hole Location: Unit: M Lot: M Section: 22 Township: 17S Range: 28E Feet from: 330 N/S Line: S Feet from: 870 E/W Line: W				
		6. latitude: longitude: 32.8136756891972 - 104.169509931481				
		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: 5/22/2013 Frac Performed by: HALLIBURTON		12. Production Type: O				
13. Pool Code(s): 96830		14. Gross Fractured Interval: 3,510 ft to 4,783 ft				
15. True Vertical Depth (TVD): 4,953 ft		16. Total Volume of Fluid Pumped: 497,836 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%	83.10978%
HYDROCHLORIC ACID 15%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	0.40724%
Common White-100 Mesh, SSA-2	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	0.32106%
Premium Brown-16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	14.43178%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00148%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.02588%
LOSURF-360W	Halliburton	Surfactant	Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-, omega.-hydroxy-	61827-42-7	30%	0.02855%
			Glycerine	56-81-5	10%	0.00952%
			Complex alkylamine	Confidential Business Information	5%	0.00476%
SCALECHEK LP-55 SCALE INHIBITOR	Halliburton	Scale Inhibitor	Polyacrylate	Confidential Business Information	60%	0.04757%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.01637%
			Monoethanolamine borate	26038-87-9	100%	0.05457%
MO-67	Halliburton	pH Control Additive	Sodium hydroxide	1310-73-2	30%	0.01149%
EXPEDITE 225 COMPONENT A	Halliburton	Resin	Epoxy resin	Confidential Business Information	100%	0.13184%
			Butyl glycidyl ether	2426-08-6	30%	0.03955%
			Butyl lactate	138-22-7	10%	0.01318%
EXPEDITE 225 COMPONENT B	Halliburton	Hardener	Methanol	67-56-1	60%	0.06095%
			Modified cycloaliphatic amine adduct	Mixture	60%	0.06095%
			Phosphate ester	Confidential Business Information	10%	0.01016%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00011%
EXPEDITE 225 CLEAN-UP SOLUTION	Halliburton	Solvent	Ethylene glycol monobutyl ether	111-76-2	60%	0.06243%
			Acetic acid	64-19-7	10%	0.01041%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.21097%
OPTIFLO-III DELAYED RELEASE BREAKER	Halliburton	Breaker	Ammonium persulfate	7727-54-0	100%	0.001%
			Crystalline silica, quartz	14808-60-7	30%	0.0003%
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-sulfohenyl)-4-[(4-sulfohenyl)azo]-, trisodium salt	1934-21-0	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-(acetylamino)-4-hydroxy-3-[(2-methoxyphenyl)azo]-, disodium salt	6625-46-3	0%	0%
			2-Naphthalenesulfonic acid, 6-hydroxy-5-[(4-sulfohenyl)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 silcones, 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%
	</					