

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: 30-025-40531				
		2. Well Name: QUAIL 16 STATE #004H				
		3. Well Number: 004H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:16 Township:20S Range:34E Feet from:200 N/S Line:S Feet from:1650 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:16 Township:20S Range:34E Feet from:200 N/S Line:S Feet from:1650 E/W Line:W				
		6. latitude: longitude: 32.5664417907702 - 103.56850227648				
		7. County: Lea				
8. Operator Name and Address: FASKEN OIL & RANCH LTD 6101 Holiday Hill Road Midland 79707		9. OGRID: 151416		10. Phone Number: 432-687-1777		
11. Last Fracture Date: 2/12/2013 Frac Performed by: Cudd Energy Services		12. Production Type: O				
13. Pool Code(s): 37570		14. Gross Fractured Interval: 11,221 ft to 15,530 ft				
15. True Vertical Depth (TVD): 10,950 ft		16. Total Volume of Fluid Pumped: 63,842 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)
Water		Carrier / Base Fluid		7732-18-5	100%	85.69437%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	0.6952%
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.0021%
			Water	7732-18-5	80%	0.00839%
BF-200	ASK	Buffer	Potassium Hydroxide	1310-58-3	25%	0.01937%
			Water	7732-18-5	80%	0.06199%
AGA-380	Chemplex, L.C.	Acid Gellant	Acetic Acid	64-19-7	1%	1E-05%
			Sodium Bisulfite(Trade Secret)	7631-90-5	64%	0.0004%
			Petroleum Distillate	64742-47-8	35%	0.00022%
CS-14	Chemplex, L.C.	Clay Control	Non-hazardous salts(Choline)	Proprietary	66%	0.06547%
			Water	7732-18-5	45%	0.04464%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.19219%
			Water	7732-18-5	85%	1.08905%
I-122	Chemplex,L.C.	Acid Corrosion Inhibitor	Methonol	67-56-1	70%	0.00041%
			Propargyl alcohol	107-19-7	8%	8E-05%
			Alcohol Ethoxylate Surfactants	Trade Secret	30%	0.00031%
			n-olefins	Trade Secret	10%	0.0001%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.00031%
SG-15G	PIP Technology	Polymer	Guar Gum	9000-30-0	50%	0.22024%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.24227%
			Bentonite Clay	14808-60-7	2%	0.00881%
			Surfactant	68439-51-0	2%	0.00881%
CX-14G	Benchmark	Crosslinker	Petroleum Distillates	Proprietary	100%	0.0698%
			Organic alcohol	Proprietary	100%	0.0698%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.03895%
EGB-16HT	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00583%
			Silica, Crystalline-Quartz	14808-60-7	10%	0.00058%
NE-217	Chemplex, L.C.	Non-emulsifier	Methanol	67-56-1	50%	0.00052%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.00385%
			Water	7732-18-5	55%	0.00385%
CorrSorb 3600	Baker Hughes	Corrosion Inhibitor	Diatomaceous earth, calcined	91053-39-3	100%	0.00575%
			Quaternary ammonium chloride	Trade Secret	30%	0.00173%
			Acid phoshate ester	Trade Secret	10%	0.00058%
			Crystalline silica: Quartz (SiO2)	14808-60-7	1%	6E-05%
SI-30	Chemplex	Oxygen Scavenger	Ammonium Bisulfite	10192-30-0	55%	0.00675%
StimOil FBA M	CESI	Surfactant	Isopropanol	67-63-0	30%	0.04088%
			Citrus Terpenes	94266-47-4	30%	0.04088%
PropStar RCS	Unimin	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	98%	11.1945%
			Phenol-Formaldehyde Resin	9003-35-4	4%	0.45692%
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: Kim Tyson Title: _____						
Date: 3/15/2013						
E-mail Address: kimt@forl.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.						