

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 November 6, 2013				
		1. WELL API NO: 30-025-02262				
		2. Well Name: VACUUM GRAYBURG SAN ANDRES UNIT #053				
		3. Well Number: 053				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:2 Section:2 Township:18S Range:34E Feet from:660 N/S Line:N Feet from:1980 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:2 Section:2 Township:18S Range:34E Feet from:660 N/S Line:N Feet from:1980 E/W Line:E				
		6. Latitude: 32.7823677 longitude: -103.5291214				
		7. County: Lea				
8. Operator Name and Address: CHEVRON U S A INC Attn: Sandy Stedman-Daniel 1400 Smith Houston 77002			9. OGRID: 4323		10. Phone Number: 713-372-2978	
11. Last Fracture Date: 5/21/2015 Frac Performed by: Chemplex			12. Production Type: O			
13. Pool Code(s): 62180			14. Gross Fractured Interval: 4,171 ft to 4,750 ft			
15. True Vertical Depth (TVD): 4,710 ft			16. Total Volume of Fluid Pumped: 96,212 gals			
17. Total Volume of Re-Use Water Pumped: N/A			18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed			
19. 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%	83.37761%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	9.34645%
Super DC/LC TLC/THS Opti RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	3.11994%
			P/F Novolak Resin	9003-35-4	5%	0.16082%
			Hexamethylenetetramine	1009-7-0	1%	0.03216%
B-15	Brenntag	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00548%
			Water	7732-18-5	80%	0.02191%
BF-200	Multiple Suppliers	Buffer	Potassium Hydroxide	1310-58-3	25%	0.02405%
			Water	7732-18-5	80%	0.07696%
AGA-380	Chemplex, L.C.	Acid Gellant	Acetic Acid	64-19-7	1%	3E-05%
			Sodium Bisulfite(Trade Secret)	7631-90-5	64%	0.00171%
			Petroleum Distillate	64742-47-8	35%	0.00094%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.41918%
			Water	7732-18-5	85%	2.37536%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.00216%
			Propargyl Alcohol	107-19-7	4%	0.00017%
SG-15G	Multiple Suppliers	Polymer	Guar Gum	9000-30-0	50%	0.38387%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.42226%
			Bentonite Clay	14808-60-7	2%	0.01535%
			Surfactant	68439-51-0	2%	0.01535%
CX-10	Multiple Suppliers	Crosslinker	Sodium Borate Decahydrate	1303-96-4	29.9%	0.00798%
			Water	7732-18-5	69.1%	0.01844%
CX-14G	Multiple Suppliers	Crosslinker	Petroleum Distillates	Proprietary	100%	0.0546%
			Organic alcohol	Proprietary	100%	0.0546%
NE-217	Chemplex, L.C.	Non-emulsifier	Methanol	67-56-1	50%	0.01994%
FE-4	Multiple Suppliers	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.00846%
			Water	7732-18-5	55%	0.00846%
SI-625	Multiple Suppliers	Scale Inhibitor	Methanol	67-56-1	19.9%	0.01767%
S-222	Chemplex, L.C.	Flouro Surfactant	Methanol	67-56-1	100%	0.03827%
Superset W	Santrol	Resin Activator	Methanol	67-56-1	50%	0.01814%
			Poly(oxyethylene) nonyphenol ether	9016-45-9	54%	0.01959%
GB-150	Chemplex	Breaker	Mannanase Enzymes	Trade Secret	2%	0.00133%
			Sodium Chloride	7647-14-5	15%	0.01001%
			Water	7732-18-5	90%	0.06006%
20. 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: <u>Signed Electronically</u>		Printed Name: <u>Denise Pinkerton</u>		Title: <u>Regulatory Specialist</u>		
Date: <u>9/1/2015</u>						
E-mail Address: <u>leakejd@chevron.com</u>						

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.