

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. 30-015-42309
2. Well Name: FOREHAND RANCH 27 STATE #004
3. Well Number: 004
4. Surface Hole Location: Unit:H Lot:H Section:27 Township:23S Range:27E Feet from:1980 N/S Line:N Feet from:660 E/W Line:E
5. Bottom Hole Location: Unit:H Lot:H Section:27 Township:23S Range:27E Feet from:1980 N/S Line:N Feet from:660 E/W Line:E
6. latitude: 32.2778289573742 longitude: -104.171741885159
7. County: Eddy

**HYDRAULIC FRACTURING FLUID
DISCLOSURE**

Original
 Amendment

8. Operator Name and Address: CAZA OPERATING, LLC 200 N LORAIN STE 1550 MIDLAND 79701	9. OGRID: 249099	10. Phone Number: 432-682-7424
11. Last Fracture Date: 8/29/2014 Frac Performed by: Nabors Completion & Production Services	12. Production Type: O	
13. Pool Code(s): 10410	14. Gross Fractured Interval: 3,315 ft to 3,337 ft	
15. True Vertical Depth (TVD): 4,710 ft	16. Total Volume of Fluid Pumped: 117,054 gals	
17. Total Volume of Re-Use Water Pumped: 0 gals	18. Percent of Re-Use Water in Fluid Pumped: %	

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)
KR 153SL	Nabors Completion & Production Ser	Biocides	2,2-Dibromo-3-nitriopropionamide	10222-01-2	20%	0.003902%
			Polyethylene-Glycol	25322-68-3	50%	0.009756%
Clay Treat LT	Nabors Completion & Production Ser	Clay Control Additives	Water	7732-18-5	65%	0.057955%
XL-11	Nabors Completion & Production Ser	Cross Linkers	Ethylene Glycol	107-21-1	10%	0.012897%
			Potassium Hydroxide	1310-58-3	5%	0.006449%
			Potassium Metaborate	13709-94-9	30%	0.038692%
			Water	7732-18-5	75%	0.09673%
OB Breaker	Nabors Completion & Production Ser	Gel Breaker	Ammonium Persulfate	7727-54-0	100%	0.009612%
EB-20L	Nabors Completion & Production Ser	Gel Breakers	Hemicellulase Enzyme	Proprietary	1%	0.00011%
LSG-100	Nabors Completion & Production Ser	Gelling Agents	guar gum	9000-30-0	50%	0.211167%
			petroleum Distillates	64742-47-8	60%	0.2534%
			Surfactant	68439-51-0	2%	0.008447%
Super TSC-LTS	Nabors Completion & Production Ser	Paraffin & Scale Additives	Water	7732-18-5	60%	0.010038%
TX Specific 16/30 mesh Sand	Nabors Completion & Production Ser	Sand-Bulk-Texas	Aluminum Oxide	1344-28-1	1.1%	0.19399%
			Crystalline Silica, quartz	14808-60-7	99.9%	17.617781%
			Iron Oxide	1309-37-1	0.1%	0.017635%
			Titanium Oxide	13463-67-7	0.1%	0.017635%
Water	Caza Operating, LLC	Water	Water	7732-18-5	100%	81.593501%
Biocides	Nabors Completion & Production Ser	Biocides	Water	7732-18-5	80%	0.015609%
Clay Control Additives	Nabors Completion & Production Ser	Clay Control Additives	ammonium, (2-Hydroxyethyl) trimethyl-, chlorides	67-48-1	80%	0.07133%
Gel Breakers	Nabors Completion & Production Ser	Gel Breakers	Proprietary	Proprietary	0%	0.00209%
			Proprietary	Proprietary	0%	0.009942%
Gelling Agents	Nabors Completion & Production Ser	Gelling Agents	Crystalline Silica (in the Form of quartz)	14808-60-7	2%	0.008447%
			Organophylic Clay	68953-58-2	2%	0.008447%
Paraffin & Scale Additives	Nabors Completion & Production Ser	Paraffin & Scale Additives	Proprietary	Proprietary	15%	0.00251%
			Proprietary	Proprietary	15%	0.00251%
			Proprietary	Proprietary	15%	0.00251%
Surfactant & Foamers	Nabors Completion & Production Ser	Surfactants & Foamers	Proprietary	Proprietary	0%	0.073712%
			Propylene Glycol	57-55-6	2.5%	0.001843%
			Water	7732-18-5	0%	0.073712%
			Proprietary	Proprietary	0%	0.073712%
			Proprietary	Proprietary	0%	0.073712%
			Proprietary	Proprietary	0%	0.073712%
			Proprietary	Proprietary	0%	0.073712%

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: Signed Electronically Printed Name: Richard Wright Title: _____
 Date: 10/6/2014
 E-mail Address: rwright@cazapetro.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.