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.
30-025-41751

2. Well Name:
NORTH MONUMENT G/SA UNIT #435

3. Well Number:
435

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ **Original**

☐ **Amendment**

4. Surface Hole Location:
Unit:I Lot:I Section:29 Township:19S Range:37E
Feet from:2498 N/S Line:S
Feet from:180 E/W Line:E

5. Bottom Hole Location:
Unit:I Lot:I Section:29 Township:19S Range:37E
Feet from:2498 N/S Line:S
Feet from:180 E/W Line:E

6. latitude: 32.6308594 longitude: -103.2656479

7. County:
Lea

8. Operator Name and Address:
APACHE CORP
303 Veterans Airpark Lane
Suite 3000
Midland 79705

9. OGRID: 873

10. Phone Number: 432-818-1062

11. Last Fracture Date: 6/4/2015 Frac Performed by: CUDD

12. Production Type:
O

13. Pool Code(s):
23000

14. Gross Fractured Interval:
3,735 ft to 3,938 ft

15. True Vertical Depth (TVD):
3,966 ft

16. Total Volume of Fluid Pumped:
51,538 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%	85.87119%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	9.43101%
Super DC/LC TLC/THS Opti RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	3.99722%
			P/F Novolak Resin	9003-35-4	5%	0.20604%
			Hexamethylenetetramine	1009-7-0	1%	0.04121%
B-15	Brenntag	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00254%
			Water	7732-18-5	80%	0.01017%
FR-601	SNF	Friction Reducer	Copolymer of acrylamide and sodium acrylate	25987-30-8	10%	0.00087%
			Isoparaffinic Solvent	64742-47-8	10%	0.00087%
			Water	7732-18-5	60%	0.00525%
			Nonylphenol	9016-45-9	10%	0.00087%
			Sorbitan Monooleate	1338-43-8	10%	0.00087%
SG-15G	Multiple Suppliers	Polymer	Guar Gum	9000-30-0	50%	0.18568%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.20425%
			Bentonite Clay	14808-60-7	2%	0.00743%
			Surfactant	68439-51-0	2%	0.00743%
XL-335	PfP	Crosslinker	Sodium Metaborate	7775-19-1	40%	0.02659%
			Glycerol	56-81-5	45%	0.02992%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.03666%
NE-227	Multiple Suppliers	Non-emulsifier	Isopropanol	67-63-0	15%	0.01215%
			Methanol	67-56-1	15%	0.01215%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.0162%

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: Emily Follis Title: Sr Prod Dept Asst

Date: 8/18/2015

E-mail Address: emily.follis@apachecorp.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.