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.
30-021-20595

2. Well Name:
MAES 2131 #181

3. Well Number:
181

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

4. Surface Hole Location:
Unit:G Lot:G Section:18 Township:21N Range:31E
Feet from:1650 N/S Line:N
Feet from:1650 E/W Line:E

5. Bottom Hole Location:
Unit:G Lot:G Section:18 Township:21N Range:31E
Feet from:1650 N/S Line:N
Feet from:1650 E/W Line:E

6. latitude: 36.0523658101478 longitude: -103.675470098709

7. County:
Harding

8. Operator Name and Address:
WHITING OIL AND GAS CORPORATION
400 W. Illinois
Midland 79701

9. OGRID: 25078

10. Phone Number: 432-686-6709

11. Last Fracture Date: 6/4/2014 Frac Performed by: Schlumberger

12. Production Type:
C

13. Pool Code(s):
96305

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
3,500 ft

16. Total Volume of Fluid Pumped:
9,269 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	Schlumberger	Bactericide (Myacide GA25), Foaming Agent, Surfactant , Breaker, Gelling Agent, Scale Inhibitor, Cla	Water (Including Mix Water Supplied by Client)*		0%	71.09898%
			Ceramic materials and wares, chemicals	66402-68-4	97.18875%	28.08854%
			Guar gum	9000-30-0	1.16716%	0.33732%
			Sodium 2-[2-[2-(tridecyloxy) ethoxy]ethoxy]ethyl sulphate	25446-78-0	0.7166%	0.2071%
			Diammonium peroxidisulphate	7727-54-0	0.38378%	0.11092%
			Cholinium chloride	67-48-1	0.19706%	0.05695%
			Propan-2-ol	67-63-0	0.18772%	0.05425%
			Vinylidene chloride/methylacrylate copolymer	25038-72-6	0.06803%	0.01966%
			Polyethylene glycol monohexyl ether	31726-34-8	0.02548%	0.00736%
			Ethane-1,2-diol	107-21-1	0.02543%	0.00735%
			2-Propenoic acid, polymer with sodium phosphinate	129898-01-7	0.02441%	0.00705%
			Glutaraldehyde	111-30-8	0.01407%	0.00407%
			Sodium chloride	7647-14-5	0.00501%	0.00145%
			Non-crystalline silica	7631-86-9	0.00318%	0.00092%
			Calcium chloride	10043-52-4	0.00231%	0.00067%
			Magnesium silicate hydrate (talc)	14807-96-6	0.00208%	0.0006%
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00106%	0.00031%
			poly (tetrafluoroethylene)	9002-84-0	0.00089%	0.00026%
			2,2'-oxydiethanol	111-46-6	0.00026%	7E-05%
			Sodium hydroxide	1310-73-2	0.00013%	4E-05%

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: Kay Maddox Title: Regulatory Agent

Date: 11/20/2014

E-mail Address: kay.maddox@whiting.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.