

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:
30-025-41778

2. Well Name:
MCDONALD STATE AC 2 #036

3. Well Number:
036

4. Surface Hole Location:
Unit:F Lot:F Section:13 Township:22S Range:36E
Feet from:1650 N/S Line:N
Feet from:2260 E/W Line:W

5. Bottom Hole Location:
Unit:F Lot:F Section:13 Township:22S Range:36E
Feet from:1650 N/S Line:N
Feet from:2260 E/W Line:W

6. latitude:
32.3945486486879 longitude:
-103.220056166825

7. County:
Lea

HYDRAULIC FRACTURING FLUID DISCLOSURE

☒ Original

☐ Amendment

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:
2/19/2015 Frac Performed by:
Cudd

12. Production Type:
O

13. Pool Code(s):
19190, 60240, 62700

14. Gross Fractured Interval:
6,325 ft to 7,329 ft

15. True Vertical Depth (TVD):
7,600 ft

16. Total Volume of Fluid Pumped:
95,134 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%	79.62784%
Super DC/LC TLC/THS Opti RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	14.15416%
			P/F Novolak Resin	9003-35-4	5%	0.7296%
			Hexamethylenetetramine	1009-7-0	1%	0.14592%
B-15	Water Science Tech	Biocide	Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	20%	0.00274%
			Water	7732-18-5	80%	0.01095%
CS-14	Chemplex, L.C.	Clay Control	Non-hazardous salts (Choline)	Proprietary	66%	0.05787%
			Water	7732-18-5	45%	0.03946%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.67478%
			Water	7732-18-5	85%	3.82374%
SG-15G	PFP Technology	Polymer	Guar Gum	9000-30-0	50%	0.32014%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.35215%
			Bentonite Clay	14808-60-7	2%	0.01281%
			Surfactant	68439-51-0	2%	0.01281%
XL-335	ASK	Crosslinker	Ethylene Glycol	107-21-1	25%	0.02477%
			Potassium Hydroxide	1310-58-3	25%	0.02477%
			Proprietary	Proprietary	25%	0.02477%
			Proprietary	Proprietary	15%	0.01486%
			Proprietary	Proprietary	10%	0.00991%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.0534%
EGB-16LT	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00903%
NE-227	CESI	Non-emulsifier	Silica, Crystalline-Quartz	14808-60-7	10%	0.0009%
			Isopropanol	67-63-0	15%	0.00635%
			Methanol	67-56-1	15%	0.00635%
Superset W	Santrol	Resin Activator	Ethoxylated Nonylphenol	9016-45-9	20%	0.00846%
			Methanol	67-56-1	50%	0.15691%
			Poly(oxyethylene) nonylphenol ether	9016-45-9	54%	0.16946%
Ferriplex 78	Chemplex	Iron Control Additive	Thioglycol	60-24-2	95%	0.0136%
Cronox 242ES	Baker Hughes	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00224%
			Fatty Acids	Trade Secret	30%	0.00112%
			Polyoxyalkylenes	Trade Secret	30%	0.00112%
			Propargyl alcohol	107-19-7	10%	0.00037%
			Olefin	Trade Secret	5%	0.00019%
			Cupric Sulfate	7758-98-7	100%	0.0005%
Copper Sulfate	Univar USA, Inc.	Iron Control Additive				
EC9546A	Nalco Company	Surfactant	Heavy aromatic naphtha	64742-94-5	10%	0.00039%
			Isopropanol	67-63-0	60%	0.00234%
			Polyethylene Glycol	25322-68-3	5%	0.00019%
			Naphthalene	91-20-3	1%	4E-05%
			Phosphoric Acid Ester	Proprietary	10%	0.00039%
			Oxyalkylated alcohol	Proprietary	10%	0.00039%
			Oxyalkylated alkyl alcohol	Proprietary	10%	0.00039%

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:
Reesa R. Holland

Sr Staff Regulatory
Title: Analyst

Date:
4/2/2015

E-mail Address:
reesa.fisher@apachecorp.com

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