State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505  HYDRAULIC FRACTURING FLUID DISCLOSURE  Original  Amendment							Revised November 6, 2013		
APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705						9. OGRID:	873 10	0. Phone Number	: 432-818-1062
11. Last Fracture Date: 12/3/. 13. Pool Code(s): 62700 15. True Vertical Depth (TVD):	2013 Frac Po	erformed by:	C&J Energy Service	S		7,6	n Type: ctured Interval: 580 ft to 11,008 ft ume of Fluid Pump		
6,872 ft 17. Total Volume of Re-Use Wate N/A		TION AND	D CONCENTRA	16. 18. Percent of		ume of Fluid Pump 2,260 gals f Re-Use Water in F ot Disclosed			
19. HYDRAULIC FLUID Trade Name Water	Supplier		Purpose  Carrier/Base Fluid	Ingredients Water	(CAS #) Chemical Abstract Service #		Maximum Ingred Concentration in mass)		Maximum Ingredient Concentration in HF Fluid (% by mass)
Sand (Proppant) Hydrochloric Acid (15%)	CJES CJES	1	Proppant Acidizing	Sand (Proppant) Hydrochloric Acid (15%)	CJES CJES			0% 0%	0% 0%
FGP-912 pH-23M pH-29B	Blue Ribbo Magnablen Blue Ribbo Technology	d I	Guar Slurry Low pH buffer High pH buffer	pH-23M pH-29B	Blue Ribbon Magnablend Blue Ribbon Technology			0% 0% 0%	0% 0% 0%
XL-3	Economy	,	Borate Crosslink Accelerator	XL-3	Economy Blentech			0% 0% 0%	0% 0% 0%
AP-Surf-1A BR-31B	Blentech Blue Ribbo Technology	n /	Surfactant Ammonium persulfate gel breaker	AP-Surf-1A BR-31B	Blue Ribbon Technology			0% 0%	0% 0%
S-401 BR-EL2X	Benchmark Economy		Ammonium persulfate gel breaker Enzyme Breaker	S-401 BR-EL2X	Benchmark  Economy			0%	0%
CC-70  AP-Bio-Dow	Magnablen	d (	Clay Stabilizer	CC-70 AP-Bio-Dow	Magnablend Dow			0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0% 0%
AP-Scale-1 Al-150	Blentech Reef		Scale Inhibitor Acid Inhibitor	AP-Scale-1 Al-150	Blentech Reef			0% 0% 0%	0% 0% 0%
AC-307	Reef		Iron Control	AC-307	Reef			0% 0% 0% 0%	0% 0% 0% 0%
AP-FR-1	Ashland		Friction Reducer	AP-FR-1	Ashland			0% 0% 0%	0% 0% 0%
AS-290	Reef	,	Anti-Sludge Additive	AS-290	Reef			0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0% 0%
FR-1B	Blue Ribbo	n I	Friction Reducer	FR-1B	Blue Ribbon			0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0% 0%
								0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0% 0%
								0% 0% 0%	0% 0% 0%
								0% 0% 0%	0% 0% 0%
*Total Water Volume sources may include fresh wate				*Total Water Volume sources may include fresh water, produced water, and/or recycled water				0% 0%	
** Information is based on the maximum potential f				** Information is based on the maximum potential for concentration and thus the total may be over 100% All component				0%	0%
listed was obtained from				information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for ina				0% 0%	0%
								0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0% 0%
								0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0% 0%
								0% 0% 0%	0% 0% 0%
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								0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0%
								0% 0% 0%	0% 0% 0%
								0% 0% 0% 0%	0% 0% 0% 0%
								0% 0% 0%	0% 0% 0%
								0% 0% 0%	0% 0% 0%
20. I, as Operator, hereby certify	that the inform	ation shown	on this disclosure form is	true and complete to the	best of my knowl	edge and belie	f.	0% 0% 0%	0% 0% 0%
	ner@apached		MSDS data as describe	d in 29 CFR 1910.1200. N	IMOCD does not i	require the repo	orting or disclosure	of proprietary, trad	de secret or confidential business