

Submit within 45 days of well completion	<div>State of New Mexico</div> <div>Energy, Minerals and Natural Resources</div> <div>Oil Conservation Division</div> <div>1220 S. St Francis Dr.</div> <div>Santa Fe, NM 87505</div>	Revised November 6, 2013				
		1. WELL API NO: 30-025-36992				
		2. Well Name: SOUTH LUSK 28 FEDERAL #001				
		3. Well Number: 001				
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>		4. Surface Hole Location: Unit:M Lot:M Section:28 Township:19S Range:32E Feet from:660 N/S Line:S Feet from:830 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:28 Township:19S Range:32E Feet from:660 N/S Line:S Feet from:830 E/W Line:W				
		6. Iatitude: 32.6259509366564 longitude: - 103.776985123381				
		7. County: Lea				
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705		9. OGRID: 873	10. Phone Number: 432-818-1168			
11. Last Fracture Date: 5/3/2012 Frac Performed by: Baker Hughes		12. Production Type: O				
13. Pool Code(s): 41460		14. Gross Fractured Interval: 9,144 ft to 9,594 ft				
15. True Vertical Depth (TVD): 9,594 ft		16. Total Volume of Fluid Pumped: 67,956 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	Operator	Carrier	Water	7732-18-5	100%	79.30525%
Superset-U, tote	Baker Hughes	Activator	Denatured Ethanol	64-17-5	45%	0.02629%
			Di (Ethylene Glycol) Ethyl Ether Acetate	112-15-2	55%	0.03213%
			Alpha 125	Baker Hughes	Biocide	Glutaraldehyde
GBW-5	Baker Hughes	Breaker	Ammonium Persulfate	7727-54-0	100%	0.007%
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3%	0.00116%
			Water	7732-18-5	97%	0.03736%
			ClayCare	Baker Hughes	Clay Control	Choline Chloride
XLW-10A	Baker Hughes	Crosslinker	Water	7732-18-5	30%	0.02712%
			Ethylene Glycol	107-21-1	30%	0.0313%
			Sodium Hydroxide	1310-73-2	10%	0.01043%
GW-4LDF	Baker Hughes	Gelling Agent	Sodium Tetraborate	1330-43-4	30%	0.0313%
			Guar Gum	9000-30-0	60%	0.38497%
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.38497%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Petroleum Distillate	64742-47-8	60%	0.38497%
			Mixture of Surfactants	Trade Secret	50%	0.04844%
Sand, White, 20/40	Baker Hughes	Proppant	Propylene Glycol	57-55-6	30%	0.02907%
Super LC, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	15.45225%
			Hexamethylenetetramine	1009-7-0	0.01%	0.00035%
			P/F Resin	9003-35-4	5%	0.17566%
			Silicon Dioxide (Silica Sand)	14808-60-7	97%	3.40775%
Ingredients shown above are subject to 29 CFR 1910			Methanol	67-56-1	0%	0.0003173%
			Water	7732-18-5	0%	0.1160611%
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 Title: Sr Staff Reg Tech						
Date: 11/18/2013						
E-mail Address: reesa.holland@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.