NGL C12 Pore Volume Calculation

Lyons	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.65	82.5	2.47	0.1073	8.8500
			82.5		$\Sigma(\phi$*h)=	8.8500

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	8,627,625	bbl

L Satanka	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.65	0	2.65	0.0000	0.0000
			0		$\Sigma(\phi$*h)=	0.0000

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	-	bbl

Wolfcamp	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.87	0	2.87	0.0000	0.0000
			0		$\Sigma(\phi$*h)=	0.0000

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	-	bbl

Amazon	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.87	31.5	2.38	0.2636	8.3045
			31.5		$\Sigma(\phi$*h)=	8.3045

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	8,095,876	bbl

Council Grove	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.87	86.8	2.65	0.1187	10.3046
			86.8		$\Sigma(\phi$*h)=	10.3046

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	10,045,674	bbl

Admire	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.87	4	2.72	0.0791	0.3166
			4		$\Sigma(\phi$*h)=	0.3166

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	308,623	bbl

Virgil	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.87	12	2.60	0.1444	1.7326
	1.00	2.71	9.8	2.61	0.0585	0.5731
			21.8		$\Sigma(\phi$*h)=	2.3057

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	2,247,784	bbl

Fountain	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.87	63	2.59	0.1481	9.3321
	1.00	2.71	8	2.51	0.1199	0.9591
			71		$\Sigma(\phi$*h)=	10.2911

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	10,032,563	bbl

Missouri	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.65	11	2.54	0.0667	0.7333
			11		$\Sigma(\phi$*h)=	0.7333

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	714,907	bbl

Desmoines	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.65	0	2.65	0.0000	0.0000
			0		$\Sigma(\phi$*h)=	0.0000

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	-	bbl

Atoka	ρ_f, gm/cc	ρ_{ma}, gm/cc	h, ft	ρ_b, gm/cc	ϕ	ϕ*h, ft
	1.00	2.65	0	2.65	0.0000	0.0000
			0		$\Sigma(\phi$*h)=	0.0000

Volume Calculation

B_w=	1.00	
S_w=	1.00	
r=	1320	ft
V=	-	bbl

Total Volume

V= 40,073,050 bbl

Net Pay

h= 309 ft

Average φ

φ= 0.133