



Memorandum

TO: Mr. Paul Kautz, New Mexico Oil Conservation Division
FROM: Jeremy Winston, Geologist, Breitburn Energy Partners
DATE: 11/19/2015
SUBJECT: M-State # 19 Formation Tops

The formation tops for the M-State # 19 are as follows:

Formation	Depth (MD)	Formation Top	Depth (MD)
Anhydrite	1,106'	San Andres	3,893'
Rustler	1,256'	Glorieta	5,081'
Yates	2,674'	Blinbry	5,467'
Tansill	2,473'	Tubb	6,130'
Seven Rivers	2,868'	Drinkard	6,258'
Queen	3,406'	Abo	6,633'
Penrose	3,479'	Woodford	7,204'
Grayburg	3,632'	Devonian	7,231'

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