

Calculation of Oil in Place

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by Douglas M Boone

Well Name: **Penny Pincher 1H**
Field Name: **Eddy Co, NM**

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Version 6.0

A-RS

Oil Gravity	41 API			A-RS
Gas-Oil Ratio	1,800 cu ft/Bbl			B-RS
Gas Gravity	0.78			C-RS
Reservoir temp	150 F	Bubble Point Pressure		A-Bo
Seperator Temp	65 F		5,531	B-Bo
Seperator Press	47 Psia	Formation Volume Factor		C-Bo
Reservoir Press	3,400 Psia		1.5340	A-RS
Porosity	11.0 %			B-RS
Water Sat.	41 %			C-RS
Drainage Area	160 Acre			GIP
Net Pay	66 Feet	Oil in Place	3,465,993Bbl	PBP
Recovery (est)	10 Bbl	% Recovery	10.00%	GAS GS
% Recovery	10.00 %	Recovery	346,599Bbl	Bobp
				CO
				RSb

		Metric ?
Oil Gravity	41API	n
Gas-Oil Ratio	1,800cu ft/Bbl	n
Reservoir temp	150F	n
Seperator Temp	65F	n
Seperator Press	47psia	n
Reservoir Press	3,400psia	n
Drainage Area	160Acre	n
Net Pay	66feet	n
Recovery (est)	10Bbl	n
Results		n
Recovery	346,599Bbl	n

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Instructions

1) Fill in all of the hightlighted values and the Oil-in-place will be calculated.

OCC Case No. 14418

CIMAREX ENERGY
Exhibit #18