Calculation of Oil in Place

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Version 6.0

Well Name:	Penny Pincher 1H			A-RS	0.0178
Field Name:	Eddy Co, NM			B-RS	1.1870
				C-RS	23.9310
				A-Bo	0.0000
Oil Gravity	41 API			B-Bo	0.0005
Gas-Oil Ratio	2,100 cu ft/Bbl			C-Bo	0.0000
Gas Gravity	0.78			A-RS	0.0178
Reservoir temp	150 F	Bubble Point Pressure		B-RS	1.1870
Seperator Temp	65 F		6,298	C-RS	23.9310
Seperator Press	47 Psia	Formation Volume Factor		GIP	420,120
Reservoir Press	3,400 Psia		1.5340	PBP	6,298
Porosity	11.0 %			GAS GS	0.7324
Water Sat.	41 %			Bobp	2.0503
Drainage Area	40 Acre			CO	0.0000
Net Pay	32 Feet	Oil in Place	420,120 Bbl	RSb	1,010.26
Recovery (est)	8 Bbl	% Recovery	10.00%		
% Recovery	8.00%	Recovery	33,610 Bbl		

		Metric ?
Oil Gravity	41 API	n
Gas-Oil Ratio	2,100 cu ft/Bbl	n
Reservoir temp	150 F	n
Seperator Temp	65 F	n
Seperator Press	47 psia	n
Reservoir Press	3,400 psia	n
Drainage Area	40 Acre	n
Net Pay	32 feet	n
Recovery (est)	8 Bbl	n
Results		n
Recovery	33,610 Bbl	n

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CIMAREX

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Penny Pincher 40ac
Volumetrics

OCC Case No. 14418
CIMAREX ENERGY
Exhibit # 19