

CASE 14418

CIMAREX ENERGY CO. RESERVE
CALCULATIONS FOR EACH QUARTER
– QUARTER SECTION IN THE W/2 W/2
OF SECTION 21

Calculation of Oil in Place

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

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Version 6.0

Oil Gravity	41 API		
Gas-Oil Ratio	2,100 cu ft/Bbl		
Gas Gravity	0.78		
Reservoir temp	150 F	Bubble Point Pressure	6,298
Seperator Temp	65 F	Formation Volume Factor	1.5340
Seperator Press	47 Psia		
Reservoir Press	3,400 Psia		
Porosity	10.0 %		
Water Sat.	41 %		
Drainage Area	40 Acre		
Net Pay	75 Feet	Oil in Place	895,143 Bbl
Recovery (est)	10 Bbl	% Recovery	8.00 %
% Recovery	8.00 %	Recovery	71,611 Bbl

Oil Gravity	41 API	Metric ?	
Gas-Oil Ratio	2,100 cu ft/Bbl		
Reservoir temp	150 F		
Seperator Temp	65 F		
Seperator Press	47 psia		
Reservoir Press	3,400 psia		
Drainage Area	40 Acre		
Net Pay	75 feet		
Recovery (est)	10 Bbl		
Results			
Recovery	71,611 Bbl		

Petroleum Toolkit Series
Integrity Consulting
(888) 533-7890
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Cimarex Energy
Company

Penny Pincher 40ac
Volumetrics

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Separator Temp	65 F		6,298
Separator Press	47 Psia	Formation Volume Factor	
Reservoir Press	3,400 Psia		1,5340
Porosity	10.0 %		
Water Sat.	41 %		
Drainage Area	40 Acre		
Net Pay	65 Feet	Oil in Place	775,791 Bbl
Recovery (est)	10 Bbl	% Recovery	8.00%
% Recovery	8.00%	Recovery	62,063 Bbl

Oil Gravity	41 API	Metric ?	
Gas-Oil Ratio	2,100 cu ft/Bbl		
Reservoir temp	150 F		
Separator Temp	65 F		
Separator Press	47 psia		
Reservoir Press	3,400 psia		
Drainage Area	40 Acre		
Net Pay	75 feet		
Recovery (est)	10 Bbl		
Results			
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Separator Press	47 Psia	Formation Volume Factor	
Reservoir Press	3,400 Psia		1,5340
Porosity	10.0 %		
Water Sat.	41 %		
Drainage Area	40 Acre		
Net Pay	55 Feet	Oil in Place	692,244 Bbl
Recovery (est)	10 Bbl	% Recovery	8.00%
% Recovery	8.00%	Recovery	55,380 Bbl

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