

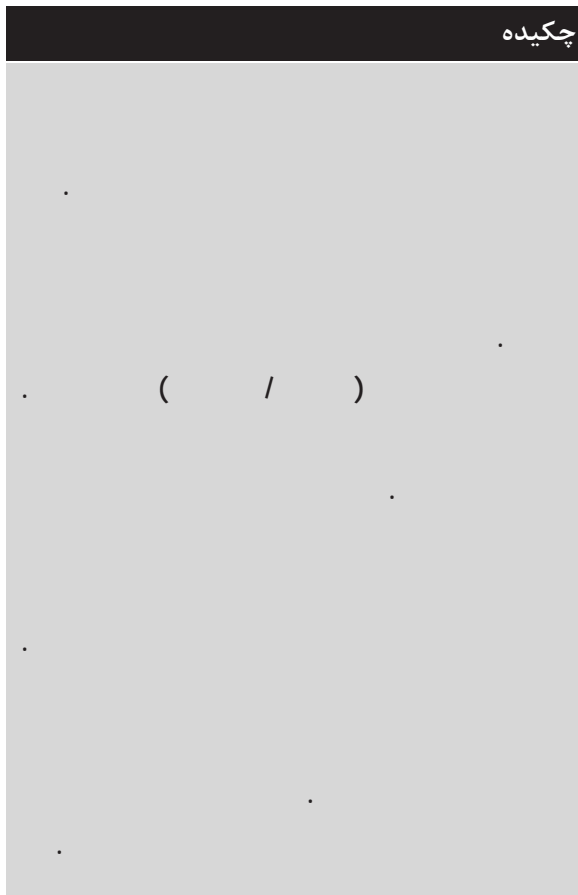


پژوهش‌نفت  
سال بیستم  
شماره ۶۱  
صفحه ۷۶-۶۷، ۱۳۸۹

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maryam.taghavi84@gmail.com

چکیده



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RMS

NZ=32·NY=23·NX=50

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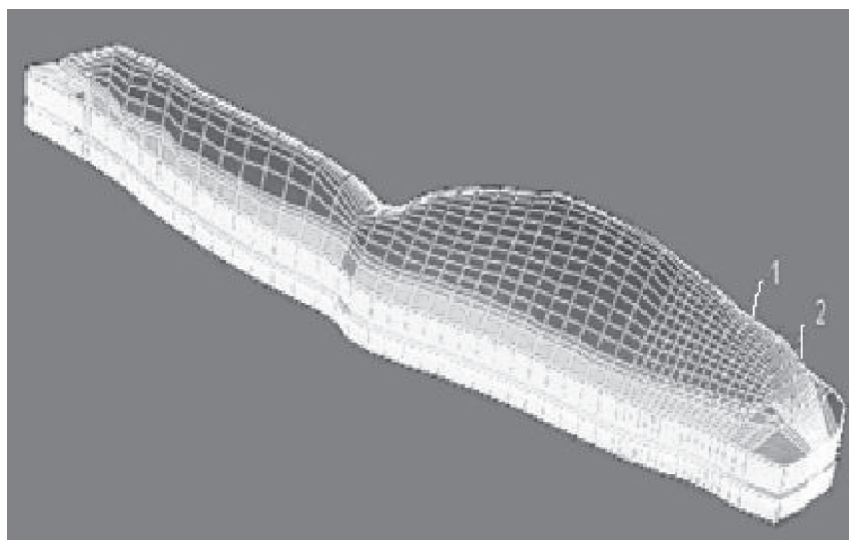
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RMS



- 1 .Cantarell
- 2 .Zama (Alberta)

-

(rb/STB)	(%)	(%)		
/	/	/	/	
/	/	/	/	
/	/	/	/	
/	/	/	/	
/	/	/	/	

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(rb/STB)	(%)	(%)		
/	/	/	/	
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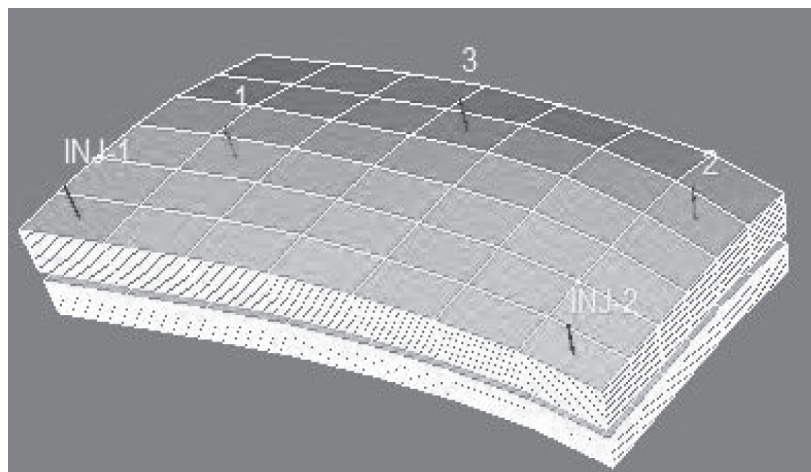
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(md)	(%)			
	/		-	
	/		-	
	/		-	
	/		-	
	/		-	
	/		-	

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1. Net To Gross
  2. Water Saturation
  3. Porosity
  4. Oil Flormation Valume Factor
  5. Permeability (Mili Darcy)

Eclipse

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|-----------------------------------|-------------------|
| 1. PVTi Model                     | 6. Dual Porosity  |
| 2. Bubble Point Pressure          | 7. Fully Implicit |
| 3. Differential Libration         | 8. Corner Point   |
| 4. Constant Composition Expansion | 9. Sigma          |
| 5. Separator Test                 | 10. Sector        |

/	(%)
/	(MMm <sup>3</sup> )
	(MMm <sup>3</sup> )

/	(m <sup>3</sup> /D)
/	(%)
/	(atm)

[ - ]

/	(%)
/	(MMm <sup>3</sup> )
	(MMm <sup>3</sup> )

/	(%)
/	*(MMm <sup>3</sup> )
	(MMm <sup>3</sup> )

= MM\*

1. Oil Production (Cubic Meter /Day)
2. Maximum Water Cut
3. Recovery Factor
4. Field Oil Production Total
5. Field Gas Production Rate

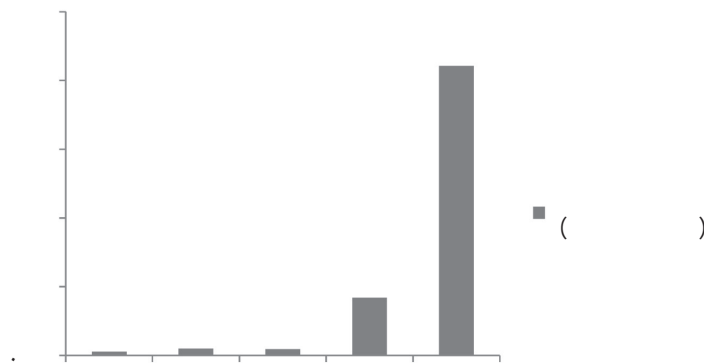
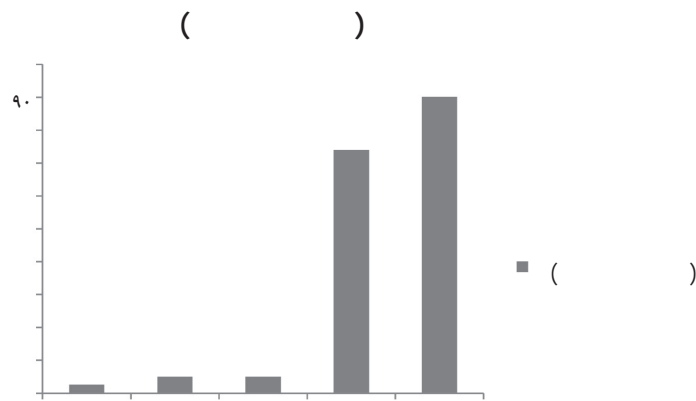
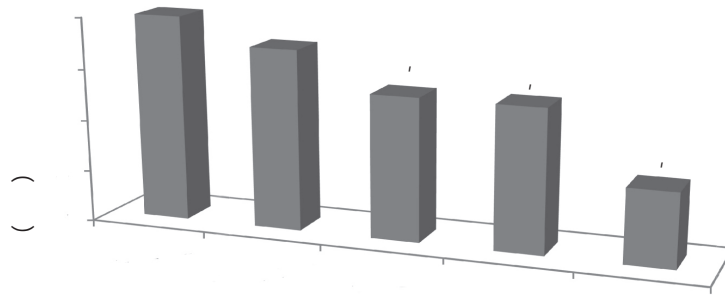
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	(%)
/	(MMm <sup>3</sup> )
	(MMm <sup>3</sup> )

	(%)
/	(MMm <sup>3</sup> )
	(MMm <sup>3</sup> )

1. Gravity Drainage
2. Cryogenic Air Separation



(NPV)

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$$NPV = \sum_{i=1}^N Pi - I$$

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: NPV

i ) i

:Pi

( i

:I

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:N

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Pi

$$Pi = Fi / (1+K)^{ni}$$

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i

:Fi

:K

i

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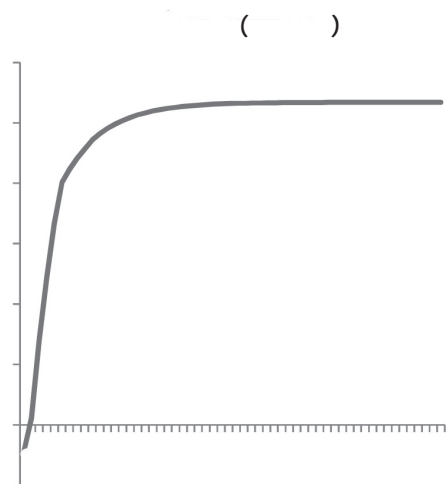
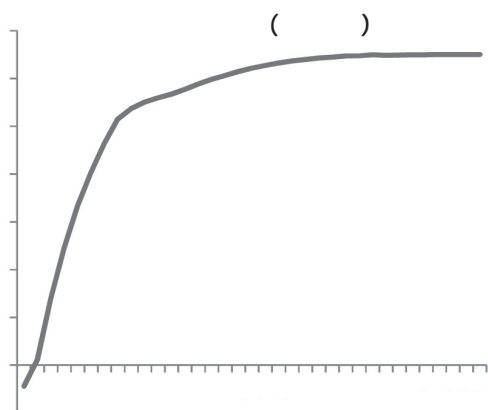
$$NPV = (\sum_{i=1}^N \frac{Fi}{(1+K)^{ni}} - I)$$

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%	
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- [1] Rodriguez F., Sanchez J.L. & Nava G., "Mechanisms and main parameters affecting nitrogen distribution in the gas cap of the supergiant akal reservoir in the cantarell complex", SPE 90288, 2004.
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