

SPECIFICS OF INVESTIGATION OF HORIZONTAL WELLS WITH FHF

E. F. Gilfanov

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Key words: hydrodynamic studies; formation multi-zone hydraulic fracturing; horizontal well; linear influx; radial influx

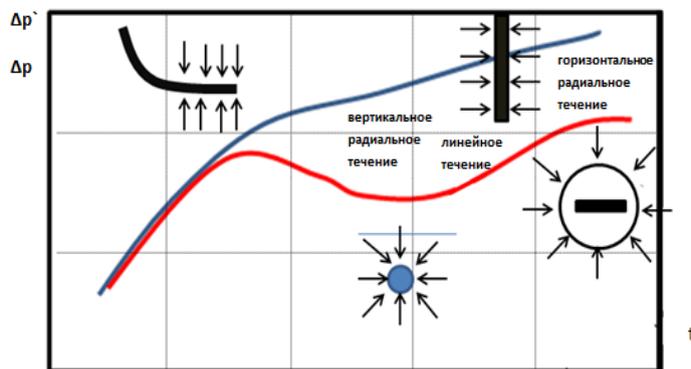
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,
(L — , h —). L/h ,

21- 80- , -

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) (-

(. 1),



. 1.

log-log
 $i = 1/4$,
 $i = 0$

$i = 1/2$ —

()

. 1.

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, (786) 4, (792) 3, 15, . 778

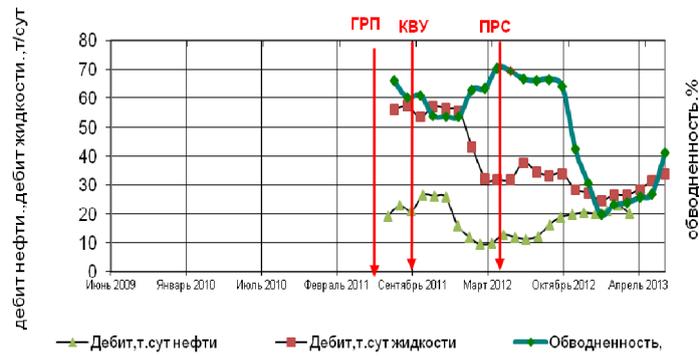
. 2 8-15, 778 (), 777 782.

, 4-8, — 6-7

().

		/	/	, %	
472		19	10	48	27.08.2009
624		6,8	0,1	99	25.04.2010 (12.11.2012)
773		64,5	–	100	20.01.2010
777		11,9	4,3	64	09.01.2011
778		38,5	22,5	41,2	20.06.2011
782		196,4	–	100	01.04.2011
783		51,8	–	100	02.07.2011
786		15,4	6,4	58	13.11.2011
787		18,4	7,3	61	13.12.2011
792		11,2	10,4	7	
839		47,8	7,3	85	14.12.2010

3–5.

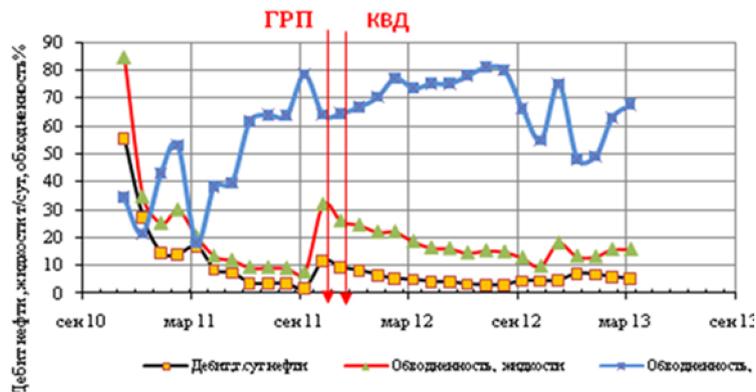


. 3.

. 778

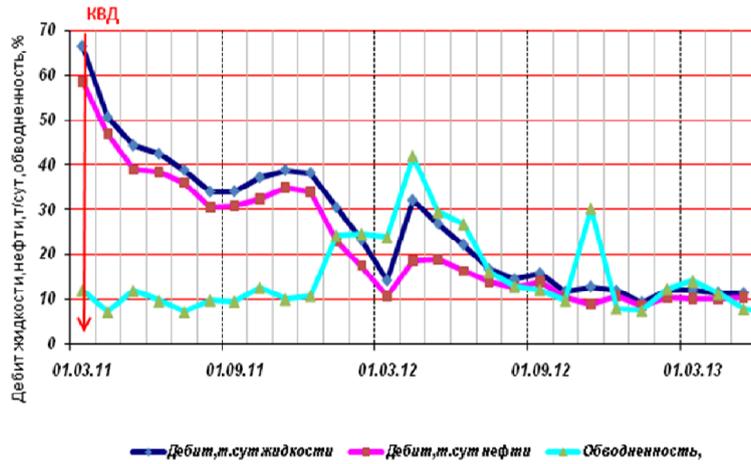
778 786
— 60 40 %.

. 792



. 4.

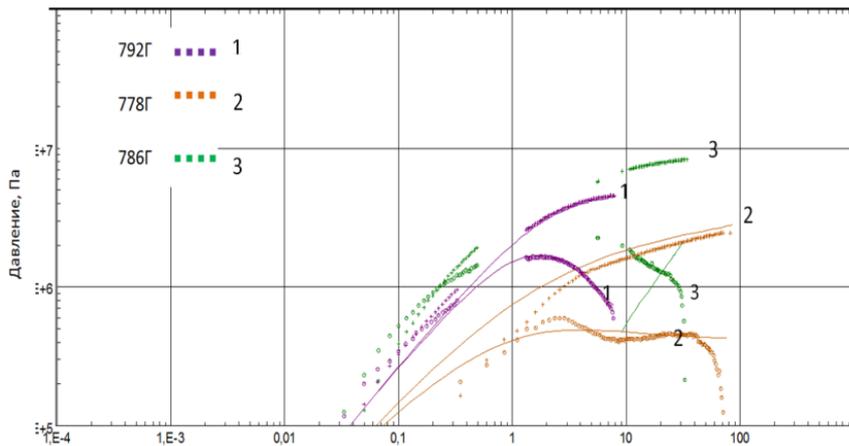
. 786



. 5.

. 792

), 792 (,) log-log (778 (4), 786 (1 -t dP/dt-t), . 6.



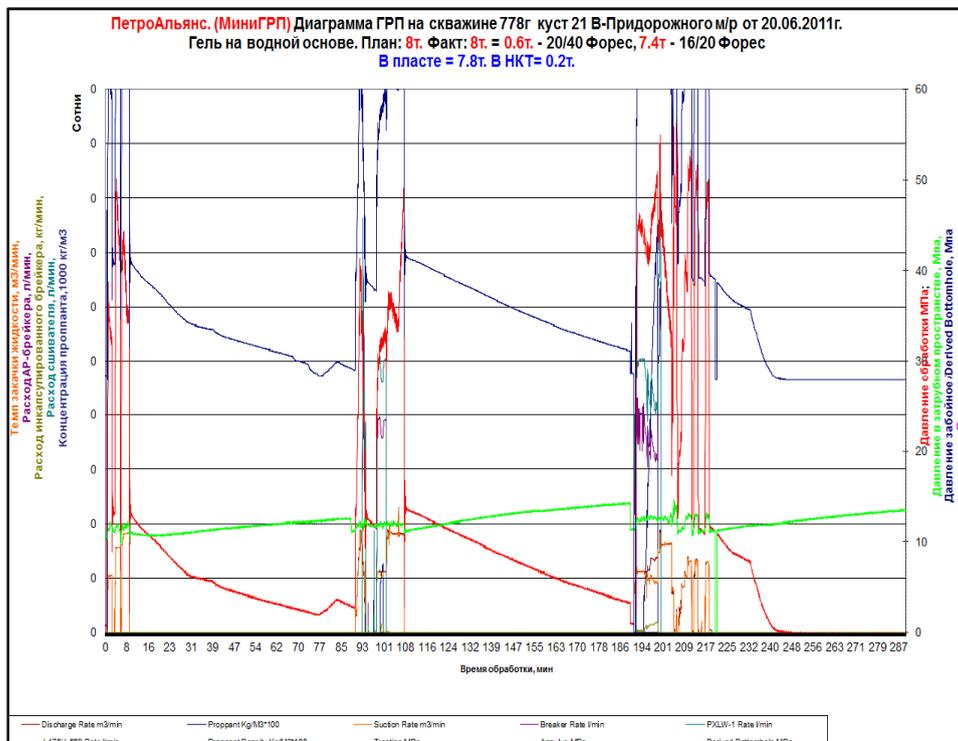
. 6.

. 778 (4 -), 786 (1 -), 792

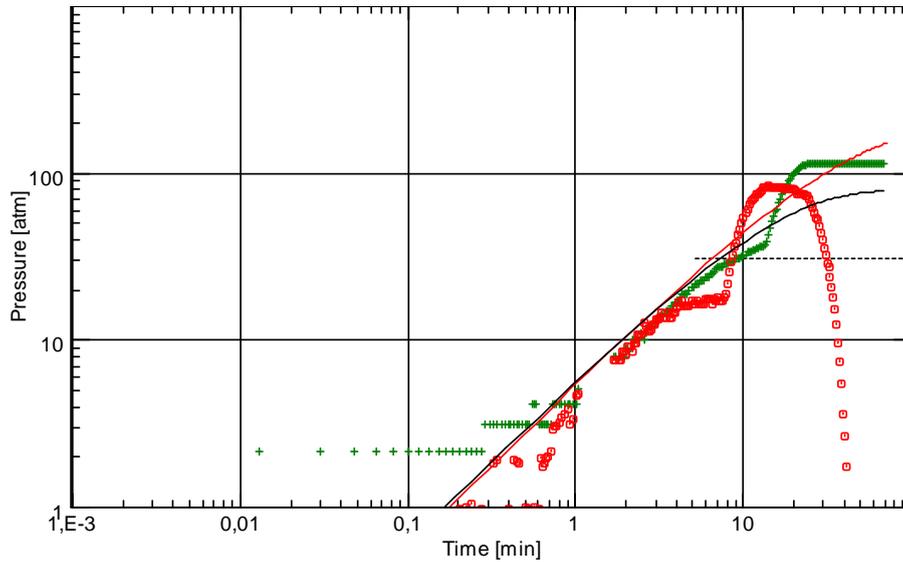
, , . 1 « » . 8 , . 778 « » 30 , - 1- 792 8 . 8 . 2 (), 1 (, . 778 i = 0,15). , () 60 % .

(. 7), ()
 , « »,
 (. 8).
 12-
 . 792 , - 7 %.
 () —
 786 , 58 %.
 35 ,
 (i = -1,1)
 (. . 1).

Saphir,



. 7.



. 8.

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