

---

# Актуальні питання нафтогазової галузі

---

---

622.245.42. 004.6

76018, «  
e-mail: [tershak@ndpi.ukrnafta.com](mailto:tershak@ndpi.ukrnafta.com), 2,

52-

52-

*The analysis of squeeze cementing efficiency is executed for behind-the-casing flow liquidation and renewal of well support impermeability of oil-and-gas fields of Ukraine. The experience of forming and renewal of well support is studied for 52-Rosilnyanska well. The results of control of cement stone quality, which formed from plugging solution in the well conditions, are presented. It is give that the cement stone additionally contains the substantial admixture of cleansing compound components, including barite bulk additive. The structure and component composition of this material are studied by the modern researches methods. The properties of works implementation on the improved technology are considered.*

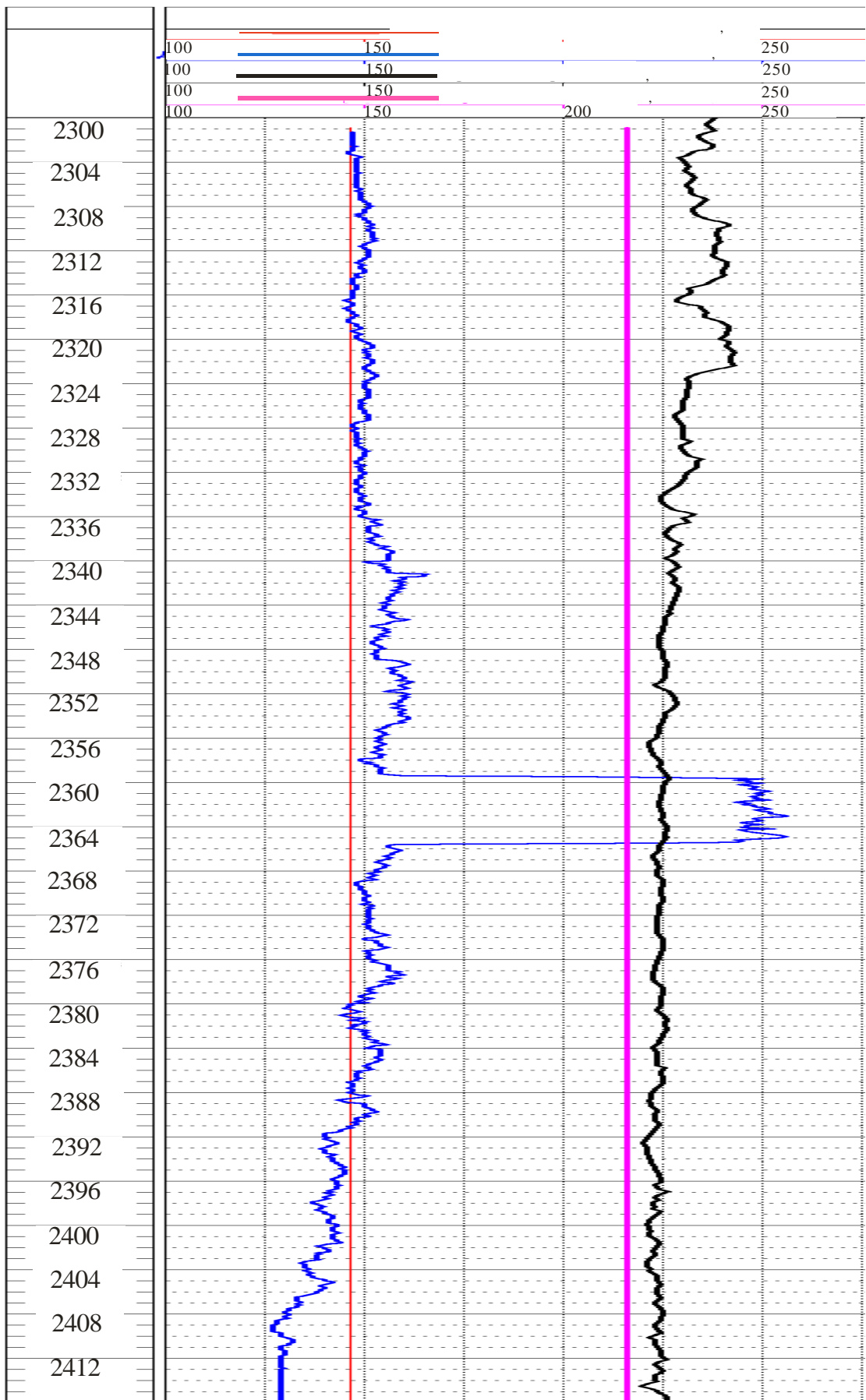
Keywords: bore hole annulus, well support, plugging material, drilling mud

( 98% )  
(2-10 / )

« », ( . 1).



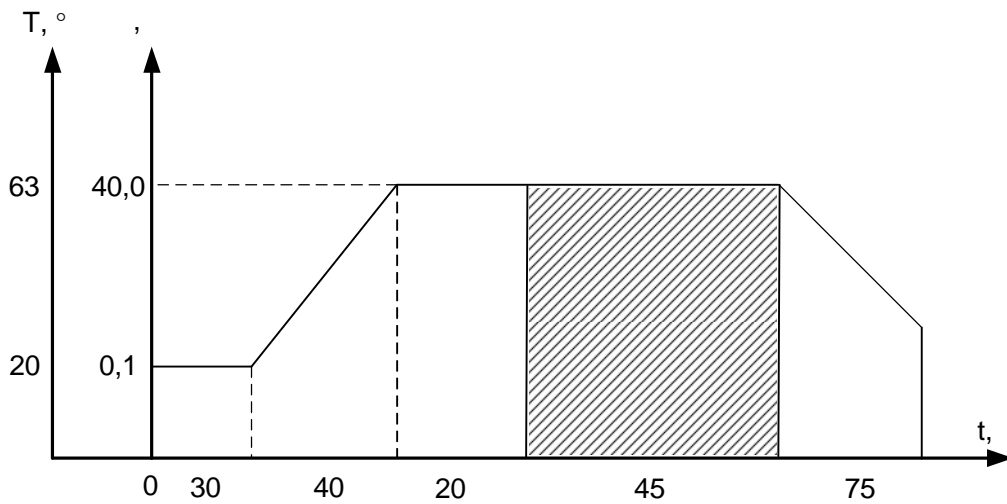
2130 52- 2397-2390 -  
 1500 / 3 2384-2383 -89 18 / , -  
 1800 / 3 30%). 70% ( 2352-2339 - , 2381-2380 , 2370-2358 -18  
 Ø10 1820 / 3 ( ) , -  
 6 8 , 9 10 Ø5 2008 . -  
 ( ) 1780 / 3 10-15 3/ 3/ -  
 ( = 8,0 ; = 20,0-21,0 ). 2418-2343 -  
 2375 . -  
 1770 / 3; 20° ) , -42 ; 3,6 3/ . -  
 30 - 20 3; 2350-2352 -  
 79 1/10 - 14,7/38,22 ; , - 2358-2362 . -  
 ; ( ) - 91,5 (2339-2352 ) -  
 - 12. : 2339-2342 - 2339-2352 -  
 1 3/ , 3 3/ -  
 2438-1611,5 Ø 168,3 2358-2362 - 2 3/ -  
 ( 0,3-0,5 ). « » -  
 -50 , 1960 / 3. -168 , 2359,5-2364,5 -  
 ( ) 15 ( .1). (215,9 ) 250 . , -  
 3 . -  
 ( 34 . 2336-2376 , -  
 ) -  
 ( 1574 ) -  
 74%, -  
 1720 / 3. , -  
 2030 / 3. , -  
 9 11 , , , -  
 3 . -  
 ( ) ( ) “ - ” -  
 ARL-9800. -  
 (2397- ( -1-100), -  
 2339 ) « » , CaO ( 65,7% , -  
 « » . 32,4-42,6%) SiO<sub>2</sub> ( 21,2% )



1 -

" "

	CaO		SiO <sub>2</sub>	SO <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	MgO	TiO <sub>2</sub>	S <sub>r</sub>	K <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	
	0,17	56,9	4,04	35,8	0,698	0,825	0,314		0,528		0,171	0,346
-100	65,7	-	21,2	2,94	3,93	5,14	0,684	0,388	0,89	0,225	0,94	0,84
	32,4-42,6	16,2-20,7	14,3-16,1	10,1-12,3	3,17-3,92	3,3-3,83	0,038-0,424	0,18-0,37	0,23	0,15-0,19	0,11-0,16	0,4



2 -

52-

14,3-16,1%).

(16,2-20,7%)  
2,94% 10,1-12,3% SO<sub>3</sub>,

$\frac{1150}{2300} / ^3 ( \frac{25}{2358-2366} ) ^3 /$

52-

2349

2339-

2414-2354

« . 2), »

[2].

-100

-

(

$\frac{1870}{00} / ^3;$

230 ;

4

-

);

1

5,0 / ^2.

-

;

-

2414-2354

-

;

-

»

« [3].

.

2366

48

( ) -  
 , -  
 1 . . . /  
 , . -  
 , 2 , 1988. – 263 . . . -  
 . -  
 3 , 1990. – 408 . / . . -  
 21 43/00. . 44098 , 21 33/13,  
 , -  
 . . . . . " -  
 " – u200812596; . 27.10.2008;  
 . 25.09.2009, . 18.  
 » 52- «  
 .  
 23.10.09  
 . .