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() 1 : 500 000
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**ON GENESIS OF THE CARBONATES WITHIN BAZHENOVO SUIT
IN CENTRAL AND SOUTH-EASTERN REGIONS OF WEST-SIBERIAN PLATE**

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Primary biogenic carbonates (low-magnesian calcite) and secondary diagenetic and catagenetic ones (calcite and protodolomite) were defined making use of mineral diagnostic methods, i.e. scanning electron microscopy, stage, X-ray and others. By pattern of well logging curves corresponding to the established rock associations the types and classes of sections, their correlation with paleoecological observations, facial zonation and dynamics of sediment accumulation in the Kaimysovskaya aquatory (Tomsk region) of the Bazhenovo paleobasin, were defined. Facial series of «permeable» shelly banks and relatively deep-water depressions essentially with clayey-cherty-carbonate and clayey-cherty types of sedimentation were mapped at the scale of 1 : 500 000. The confinement of high-output HC pools to paleoslopes of submarine elevations bordering on silt depressions with heightened primary bioproductivity is shown.

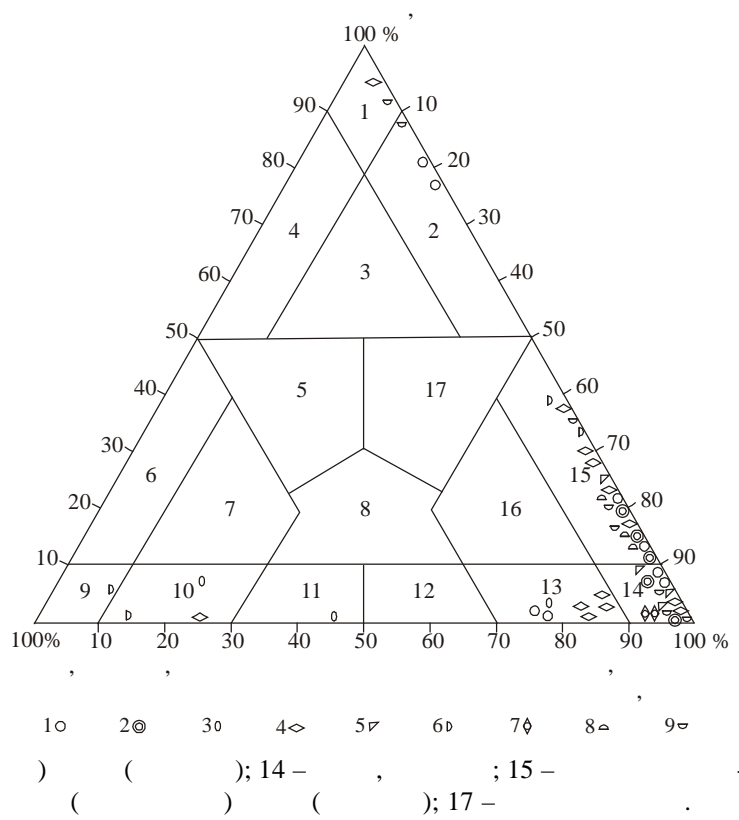
Key words: *West Siberia, Bazhenovo suite, carbonate, facies, oil content.*

Buchia.
 (70-90 %), (10-22 %),
 (930 /),
 Fe+Mn/Ti (73-76) (*Onichites*),
 Fe/Mn (348-846)
 I/Na (4-12) Al/Si (0,04-0,53), (5,8-10,6 %),
 (30-65 %),
 (310-690 /),
 V/Cr (2,2-4,3), Fe+Mn/Ti (15-29),
 (B/Ga = 1,9-4,5) 15-20 %.
 (Al/Ti = 16-
 26) (B/Ga = 30-33), (V/Cr = 10-11).
 (400) , 100-200
 [1967],
 ..., 1978]
 1,
 222, 98
 3-10 %
 50-70 %
 6-8 10-15
 ()
 ()
 (.1).
Nassellaria Spummellaria, 1967; [, 1978;
 1981; , 1982,].

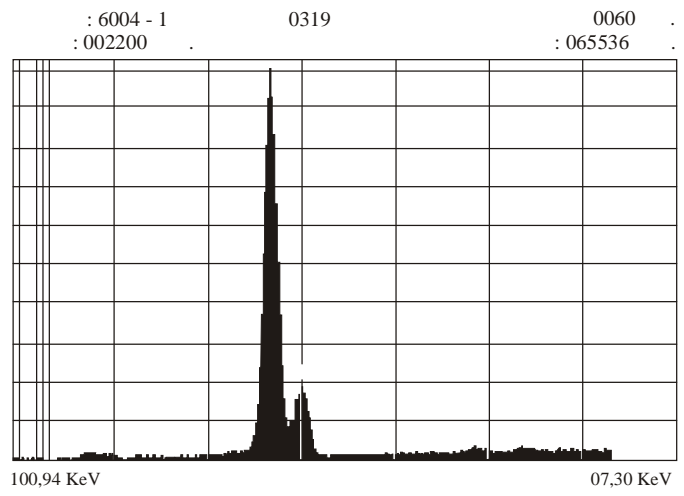
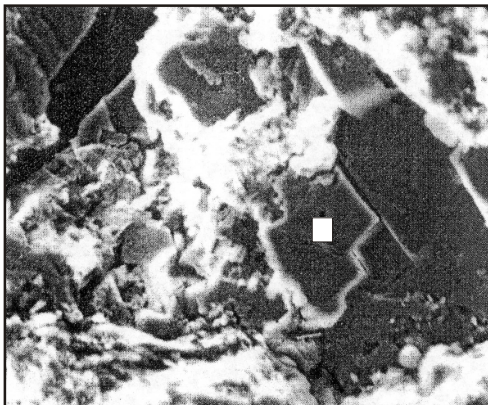
1 – (SiO₂ = 1-5 %);
 2 – (SiO₂ = 5-15 %)
 3 – (SiO₂ = 15-30 %).
 1 – (CaCO₃ < 30 %; SiO₂ > 30 %)

1981; 1983; ..., 1988;
 1987; 2001, 2002],
 [1984].
 25 %

2.
 1 – 441;
 2 – 403; 3 – ;
 4 – 1; 5 – ;
 6 – 1 (;
 7 – ;
 8 – ;
 9 – 8.
 [1954]: 1 – ;
 2 – ; 3 – ;
 4 – ;
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 8 – ;
 9 – ; 10 – ;
 11 – ;
 12 – ;
 13 – ;
 16 –

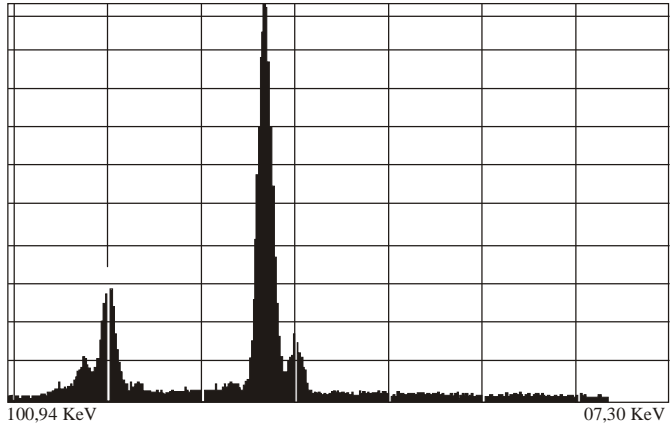
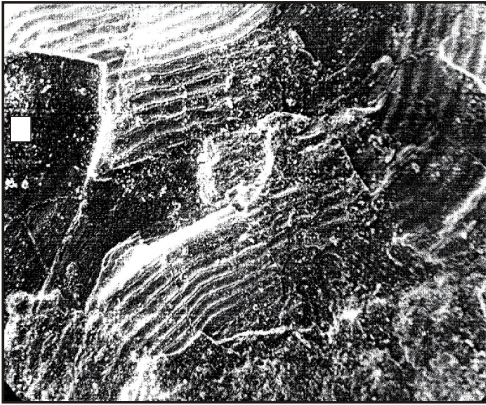


. . . , . . . , . . . , . . . , . . . , . . .
 , 5 -
 , 6 -
 , 7 -
 , 8 -
 ()
 [1954]
 100-
 200 ,
 50-100 (. 2).
 1 -
 (); 2 -
 ; 3 - ; 4 -
 60-70 % , 30-45 %
 : 1 - () , 2 -
 , 3 - (,)
 , 4 -



. 3. (. × 660),
 222, . 200, . 2763,3 ,
 (),
 ().

: 8604 0319 0087
: 001641 : 001641



. 5. () (. × 40), (),
41, .246, .2602,1 ,

(d = 0,2900-0,2916).

$d_{10,4}$ 0302 0,303 ,

(.4),

[Bethe, 1929].

([, 1985]

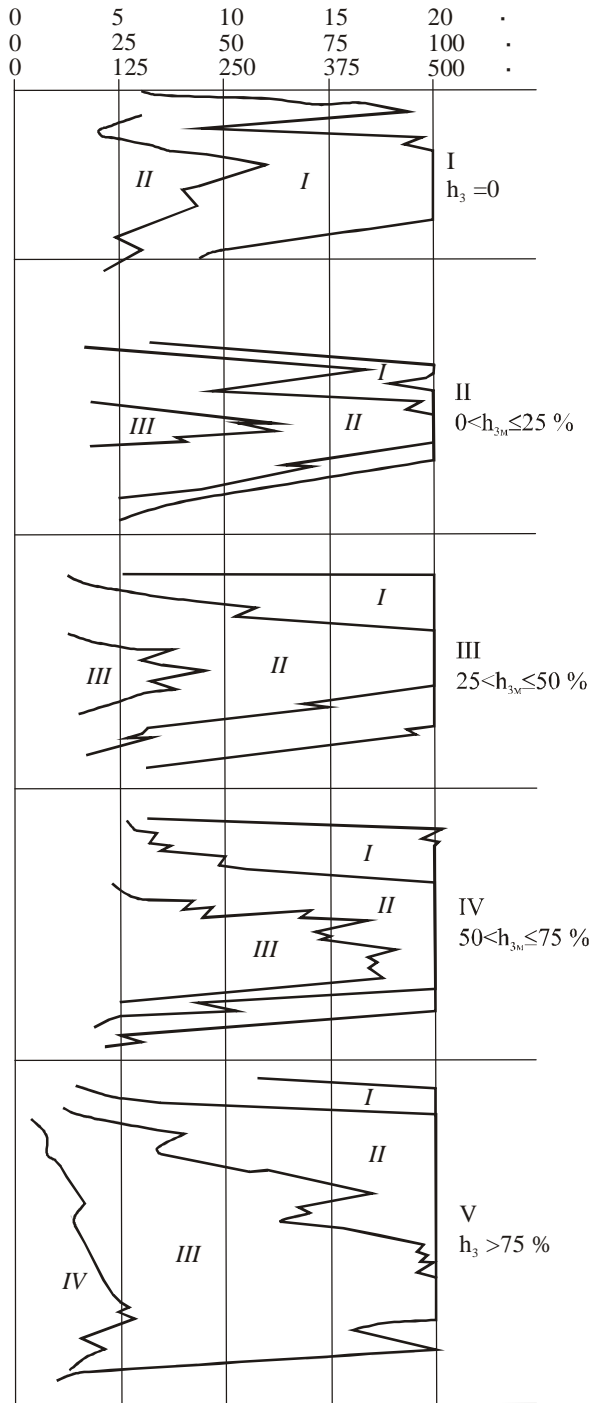
(s = 1/2 s = -1/2),
(m),

(sp-, sd-, pd-)

().

($\frac{-2}{2}$, .)

. .) , , , , , .
 , , , (I, I, II),
 . - , . -
 $\frac{-2}{2}$ - (.7). ()
 . , - ,
 , -
 , , (100 , 300 .) *max* -
 = 272,16 , 0,5. -
 0,17. ,
 -
 () -
 . -
 , - , -
 - 0,67, -
 - 0,22. . -
 -
 , - () -
 - 1,0, () ,
 - 0,33.). () -
 () -
 = 0,5 , (60-130
 .) -
 -
 - II -
 = (200-300 .),
 0,67 0,22, -
 , -
 . -
 - 5 . , 2-3
 -
 -
 - [., 2001],
 . ,
 100-500 . ,
 . -
 , -
 , -
 , -
 , -
 -
 5 -
 8 (. 8):
 (. 6). $h_3 = 0\%$; II) $0 < h_3 \leq 25\%$; III) $25 < h_3$
 - $\leq 50\%$; IV) $50 < h_3 \leq 75\%$; V) $h_3 > 75\%$.



. 8.

I, II, III, IV -

V 10-30 / , III-IV - 50 / , 50 /

II III - , IV -

, V -

(. 9).

() , () ,

() ,

1 : 500 000

100 400 (. 10).

1 2 -

100 ;

100 500

250-500 ;

700

I II

9. [, 2001].

1 - ; 2 - ; 3 - ; 4 -

150 (),

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() -

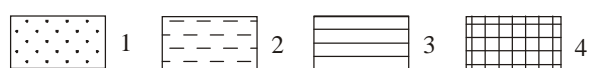
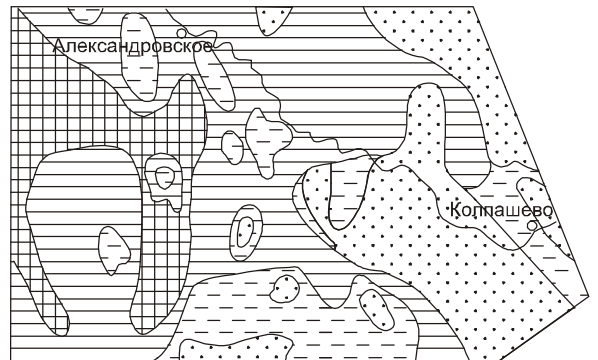
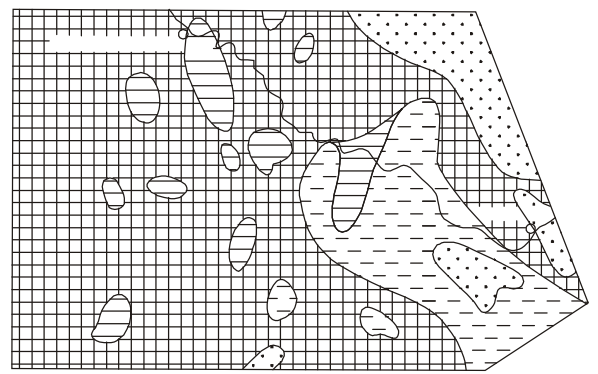
, [, 1994; , 2001, 2002; , 2003],

II (),

(),

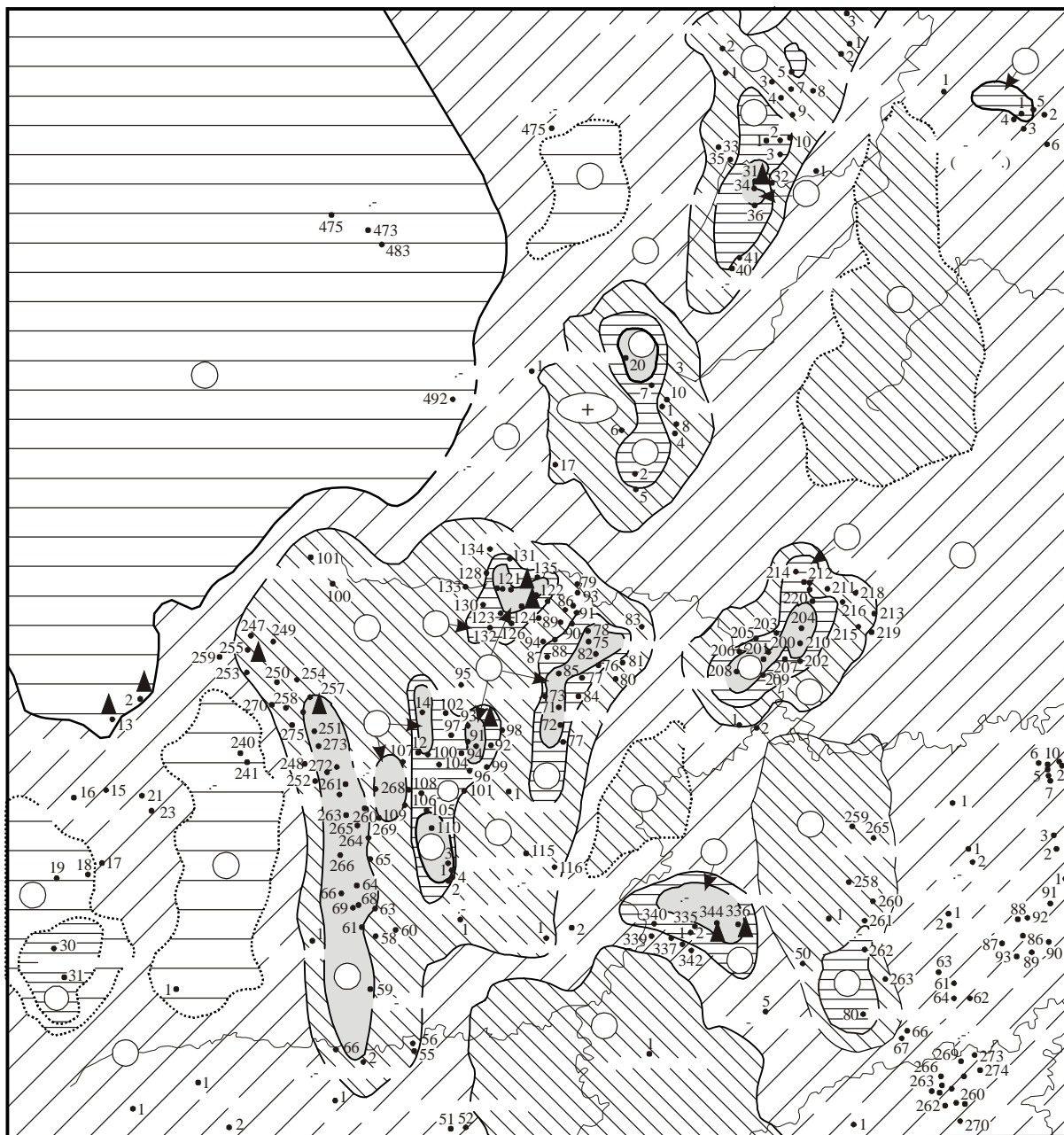
(),

[, 1982; , 1983] (. 10).

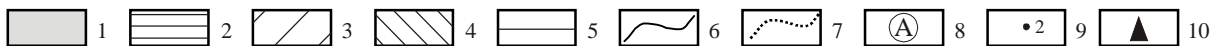


(0)

0 1



5 0 5 10 15



. 10. C

: 1 - ; 2 -
 ; 3 - ; 4 -
 ; 5 - ; 6 -
 ; 7 - ; 8 - (-
) ; - (-
 (. 30-60) . 9 - (. 100) ; - (. 60-100) ; , -
 ; 10 -

135 3/ (. 42 (. 2) / ,
132). ,1983. 367 .
0,5 12 3/
127, // -
254 255, 261, 258, :
75, 1 . ,1983. C. 27-33.
, -
« » (1, - // -
- 98, 305, 438). ,1962. C. 101-103.
, -
(. 10) // : -
,1982. . 23-32. /
() - ,1975. 679 c. -
(, +). ,1987. 220 . -
, -
, ,), « » (// .1981. 11. . 3-12. -
, , - : -
, , // -
, : , , ,2000. . 32-33. -
, - / : -
,1982. 133 . -
- -
- // - -
. . [1994] - 1980. . 81-90. -
, - 1 , -
, - : ,1981. 159 . -
, - // -
. . . . : ,1976. -
. 68-71. : ,1981. -
. . . . - 270 . -
- : , (-
// -)
. 2001. T. 9. // -
5. C. 3-25. / - ,2000. . 37-39. :
. . . . ,1986. 216 . -) // (-
. . . . // : ,1983. . 5-32. -
. 1994. 7. „ :
C. 36-38. ,1984. 320 .

