



(Dair)

Al-)

(Maddud)

.(Eidan et al. 2001 and Strohmenger et al. 2002

Denby et al. 2001; Al-Eidan et al. 2001 and )

.(Strohmenger et al. 2002

(Shuaiba)

( )

.(Dalrymple et al. 1992)

(offshore)

)

( )

(onshore)

( )

.(Honarmand et al. 2003)

.(Honarmand et al. 2003)

(A)

(B)

.(Al-Eidan et al. 2001)

(Lowstand Systems Tracts)

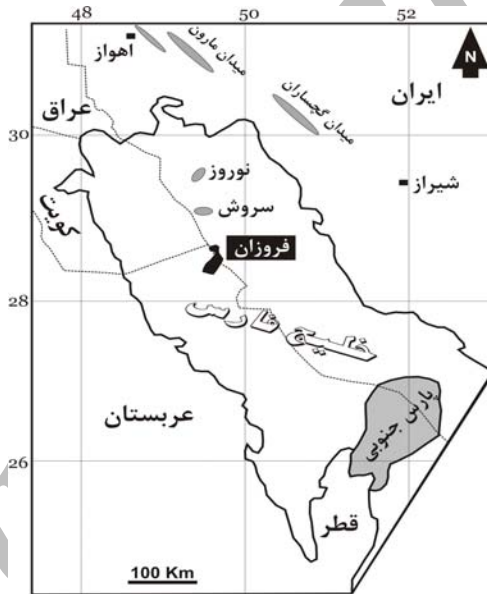
:

( )

/

( )

( )



) (fining upward)

.(

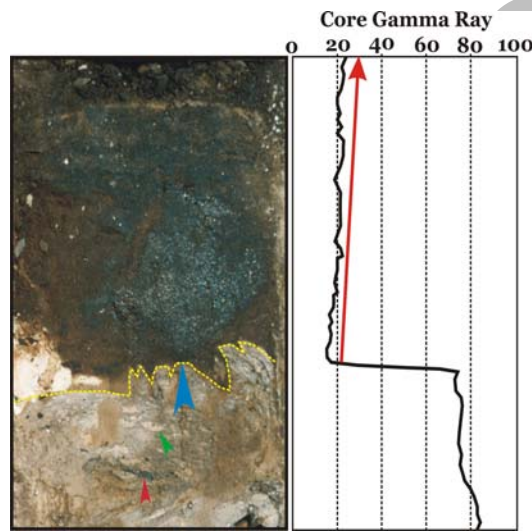
.( A )

( )

(poorly

(unconsolidated)

consolidate)



Archiv

:"  
 ( ) ( )  
 " ( )

.( A )

.(Folk 1974)

B ) (Shanmugam et al. 2000)

(crinkled laminae)

.( B

:

.( C C )

(Boer et al. 1988

"

and Shanmugam et al.. 2000)

( )

/ :

"

.( C )

.( B )

(crinkled laminae)

.( B

.( C )

)

.( B

"

.( B

)

(consolidated)

(swamp)

( )

(tidal mud

.(Boer et al. 1988)

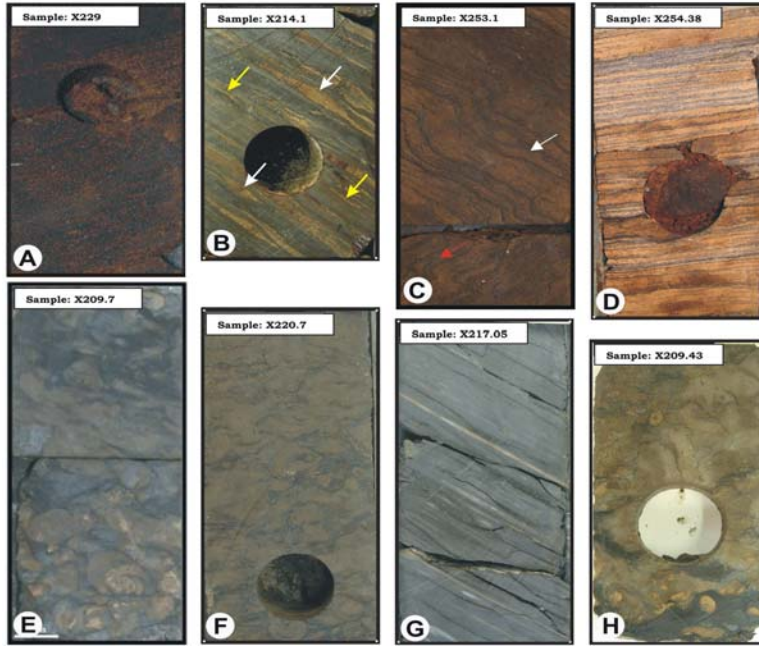
flat)

.(Dalrymple et al. 1992 and Shanmugam et al. 2000)

(amber)

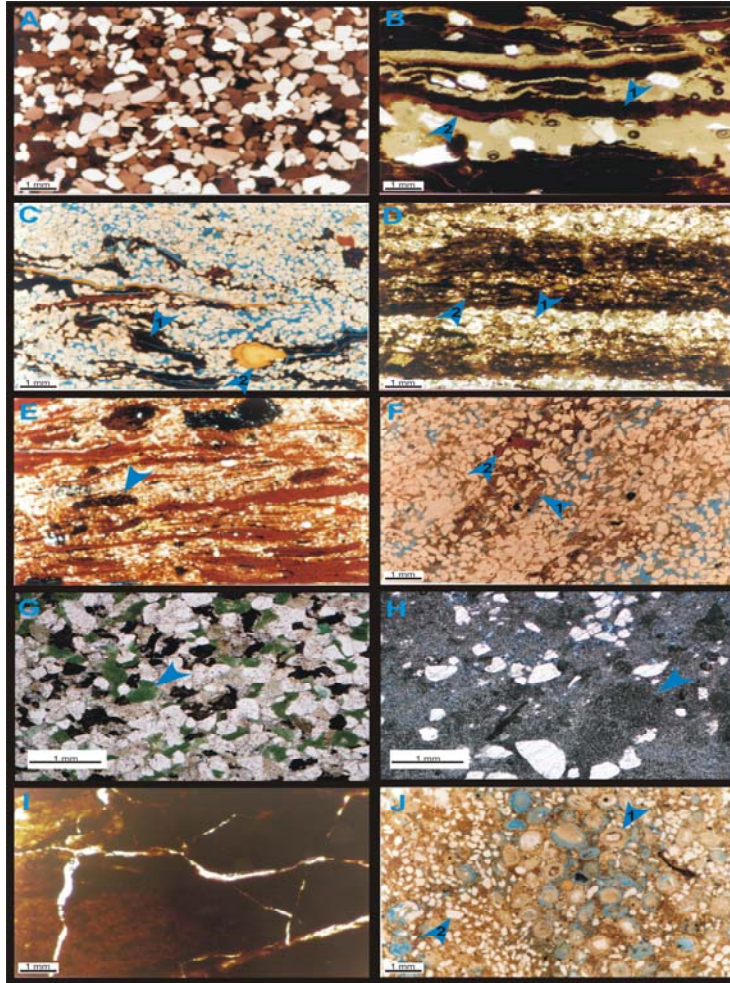
(restricted bay)

(sand flat)



( ) (A) :  
(B)  
(C) ( ) ( )  
(D) ( ) ( )  
(E)  
(G) (F)  
(H)

( D D ) :



(A) .  
 ( ) ( )

(B)  
 ( ) ( )  
 ( )

:

(C)  
 (D)

(E) ( )  
 (F)

( ) ( )  
 ( )

(H) ( )

( ) ( )

(G)

(I) ( ) (J)  
 ( ) ( )

/ :

)

( H G F F

(Boer et al. 1988 and

( G )

.Shanmugam et al. 2000)

:

(Non-planar)

( )

( E E )

( )

.(Sibley and Gregg 1987)

(Burrowing)

(Rhizocorallium)

)

( E ) (Planolites)

.( H G

(Pembernton et al. 1992 and

(marine-influenced sand

Miller 2006)

(shoreface) flat)

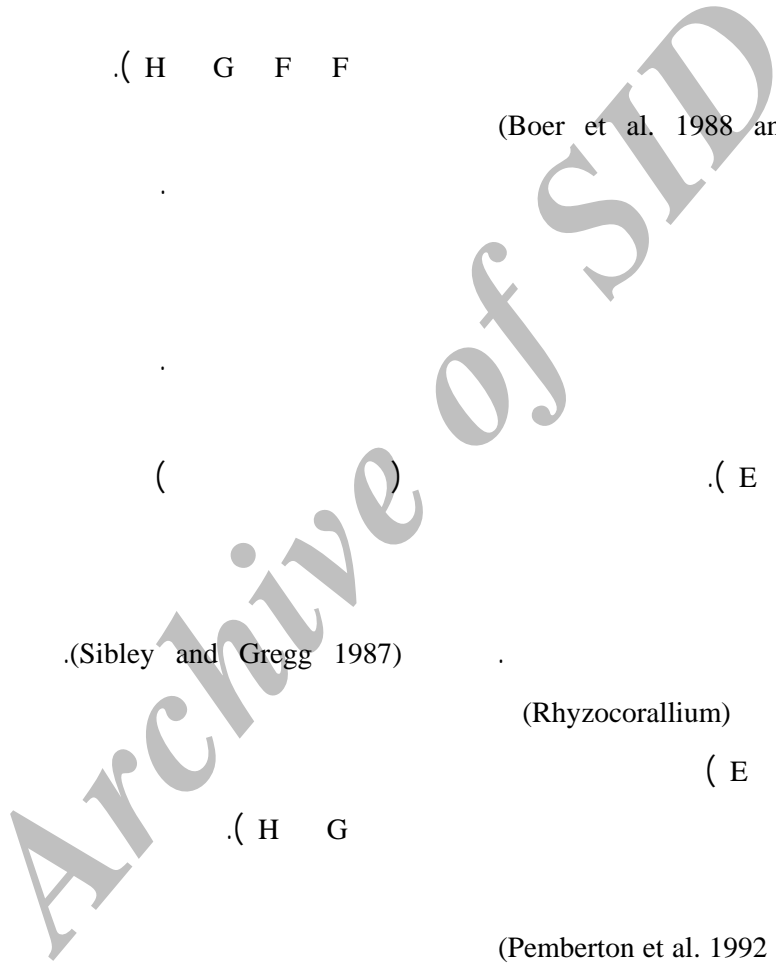
.(Shanmugam et al. 2000)

(marine-influenced mud flat)

(Boer et al. 1988 and Shanmugam et al.

/ :

.2000)





: ( I G )

( )

( )

(Visser 1980; Boer et al. 1988; Shanmugam et al. 2000; Shelley and Lawton 2005)

(restricted bay / swamp)

.(Bann et al. 2004)

:

( )

H )

( J

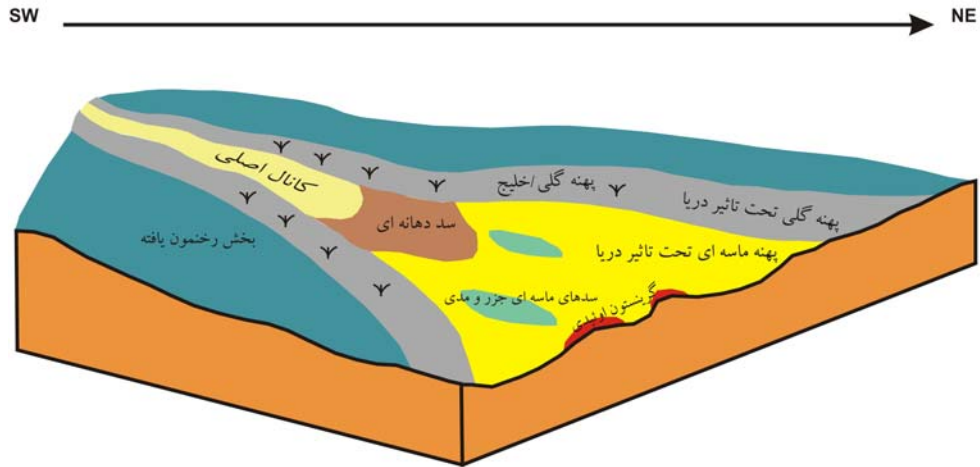
( )

(Dalrymple et al. 1992, Shanmugam et al. 2000 and Al-Eidan et al. 2001)

(Flugel

(Oolitic shoal)

.2004)



Dalrymple et al., 1992 and Al-Eidan

(et al. 2001

.(Catuneanu 2006)

(Shanmugam et al.

2000)

.( )

Archive of

.( )

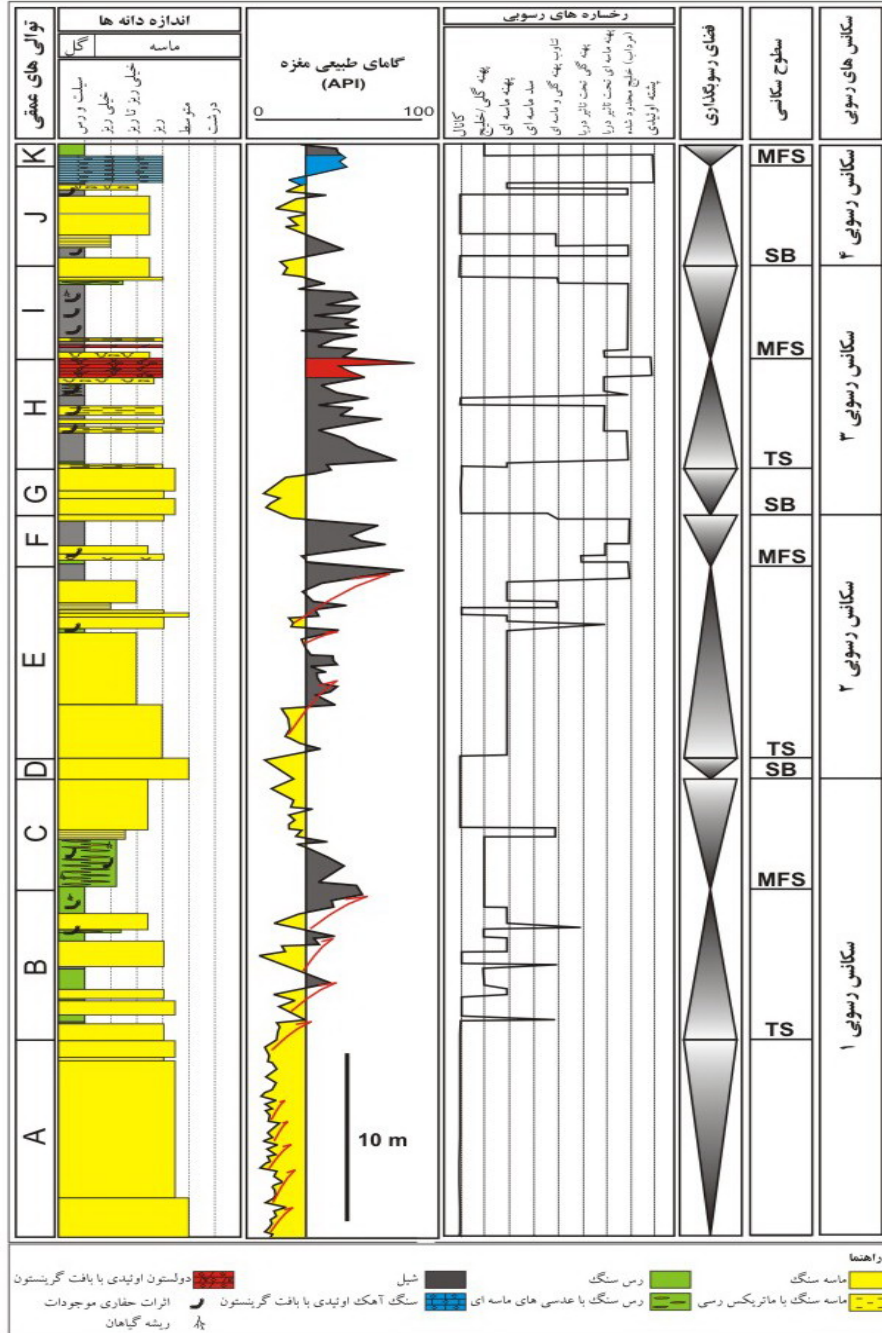
G F

(Dalrymple et al.

(SB1)

.1992)

.( )



**C B A** :

(Retrogradational)

: **A**

(transgressive systems tract or TST)

(maximum

flooding surface or mfs)

(progradational stacking pattern)

(Van Wagoner et

(lowstand

.al. 1990 and Catuneanu 2006)

systems tract or LST)

: **C**

(Van Wagoner et al. 1990 and

.Catuneanu, 2006)

: **B**

(Late Highstand

Systems Tract)

**F E D** :

( F ) (SB1) / : D

HST

(Van Wagoner et al. 1990, Al-Eidan et al. 2001

.and Catuneanu 2006)

LST

: E

early HST HST

(late HST) HST

TST

I H G : F : F

: G

(mfs)

(mfs)

: I

/

(estuary channel)

early HST

(LST)

(Van Wagoner et al. 1990,

mfs

.Shanmugam et al. 2000 and Catuneanu 2006)

/

/

: H

late HST

K J

: J

(Transgressive Surface or

TS)

mfs

TST

Archive of SID

( )

: K

-Al-Eidan, A. J., W. B. Wethington, and R. B. Davies, 2001, Upper Burgan Reservoir Description, Northern Kuwait: Impact on Reservoir Development, *GeoArabia*, v. 6, no. 2, p. 179-208.

early HST

-Boer, P. L., A. Van Gender, and S. D. Nio, 1988, Tide-influenced sedimentary environments and facies. Reidel, Dordrecht, 530 p.

-Bann, K. L., C. R. Fielding, J. A. MacEachern, and S. C. Tye, 2004, Differentiation of estuarine and offshore marine deposits using integrated ichnology and sedimentology: Permian Pebble Beach Formation, Sydney Basin, Australia. Geological Society, London, Special Publications 228, p. 179-211.

-Catuneanu, O., 2006, Principles of Sequence Stratigraphy, Elsevier, 375 p.

-Dalrymple, R. W., B. A. Zaitlin, and R. Boyd, 1992, Estuarine facies models-Conceptual basis and stratigraphic implications, *Journal of Sedimentary Petrology*, v. 62: p. 1130-1146.

-Denby, P., F. Guit, and A. Willet, 2001, Integrated Development and Early Production Scheme for the Burgan Reservoir in the Soroosh and Nowrooz

Archive of SID

the Potrerillos Formation (Paleocene), La Popa basin, Mexico, AAPG Bulletin, v. 89, no. 9, p. 1157–1179.

-Strohmenger, C. J., T. M. Demko, J. C. Mitchell, P. E. Patterson, P. J. Lehmann, 2002, Al-Sahlan, G. and Al-Enezi, H., Sequence Stratigraphy of the Burgan and Maaddud Formations (Lower Cretaceous, Kuwait): Reservoir Distribution and Quality in a Carbonate-Clastic Transition, AAPG Annual Meeting, Houston, Texas.

-Sibley, D. F. and G. M. Gregg, 1987, Classification of Dolomite Rock Textures. *J. Sed. Petrol.*, v. 57, p. 967-975.

-Van Wagoner, J. C., R. M. Mitchum, K. M. Campion, and V. D. Rahmanian, 1990, Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops: Concepts for High-Resolution Correlation of Time and Facies, AAPG methods in exploration series, no. 7, 55 p.

-Visser, M. J., 1980, Neap-spring cycles reflected in Holocene subtidal large-scale bedform deposits: a preliminary note, *Geology*, v. 8, p. 543-546.

Fields Offshore Iran, Society of Petroleum Engineers, SPE 68200.

-Flügel, E., 2004, *Microfacies of Carbonate Rocks: Analysis, Interpretation and Application*, Springer, 976 p.

-Folk, R. L., 1974, *Petrology of Sedimentary Rocks*, Hemphill, Austin, Texas, 159 p.

-Honarmand, J., S. A. Moallemi, and J. Douraghi Nejad, 2003, Well Foroozan 8-2H Burgan Conventional Core Analysis, Sequence Stratigraphy and Reservoir Characterization, NIOC-Research Institute of Petroleum Industry, 152 p., Unpublished Report.

-Miller, W., 2006, *TRACE FOSSILS: Concepts, Problems, Prospects*, Elsevier, 632 p.

-Pemberton, S. G., J. A. Maceachern, and R. W. Frey, 1992, Trace fossil facies models: environmental and allostratigraphic significance. In R. G., Walker and N. P. James (Eds.), *Facies Models: Response to Sea Level Change*: Geological Association of Canada, p. 47-72.

-Shanmugam, G., M. Poffenberger, and J. Toro Alava, 2000, Tide-Dominated Estuarine Facies in the Hollin and Napo ("T" and "U") Formations (Cretaceous), Sacha Field, Oriente Basin, Ecuador, AAPG Bulletin, v. 84, no. 5, p. 652-682.

-Shelley, D. C. and T. F. Lawton, 2005, Sequence stratigraphy of tidally influenced deposits in a salt-withdrawal minibasin: Upper sandstone member of