

EXXON
 #1 YUMA-FEDERAL
 8-118 24W
 YUMA Co. ARIZONA

GENERALIZED
 LITHOLOGY
 (EBERLY)

PALYNO-
 MORPHS

DINOS

FORAMS
 (EBERLY)

DIATOMS

NANNOS

MISC

K-Ar
 DATES
 (EBERLY)

Stratigraphic Unit	Lithology	PALYNO-MORPHS	DINOS	FORAMS (EBERLY)	DIATOMS	NANNOS	MISC	K-Ar DATES (EBERLY)
PLIOCENE BOUSE FM	COLORADO RIVER GRAVELS							
	GRAVEL, SAND, SILT, CLAY (TRANSITION ZONE)	131 TAXA TO DATE: POLLEN, SPORES, FUNGAL PALYNOMORPHS			PROBABLE DIATOMS	POSSIBLE NANNOS	MOLLUSK FRAGMENTS, CHAROPHYTES, BARNACLES	
UPPER MIOCENE MARINE SEQUENCE	FOSSILIFEROUS LIGHT GRAY CLAYSTONE			SHALLOW WATER FORAMS <i>Bolivina</i> , <i>Cibicides</i> , <i>Nonion</i>	POSSIBLE DIATOMS	POSSIBLE NANNOS	OCCASIONAL OSTRACODS	
	LIGHT GRAY, GREENISH GRAY, SALMON COLORED MUDSTONES			PROBABLE SHALLOW WATER FORAMS	POSSIBLE DIATOMS		SCATTERED PELECYPOD FRAGMENTS, ECHINOID SPINES	TUFF 8.4 m.y.
(UNDIFF.)	SANDSTONE, CONGLOMERATE	TO 12-18-82		ABUNDANT BENTHONIC <i>Dicorbis</i> , <i>Spiroplectammina</i> , <i>Gyroldina</i> , <i>Sphaeroidinella</i>			SCOLECODONTA	
	TUFF, GRAY AND REDDISH BROWN INTERCALATED SANDSTONE, CLAYSTONE, BENTONITIC CLAY; COLORS RED, GRAY, PALE GREEN. PROBABLY INCLUDES NUMEROUS WATER-LAID BEDS.	PROSPECTS FAIR TO POOR FOR PALYNOMORPH RECOVERIES	NO DINO RECOVERIES TO T.D.	NO FORAM RECOVERIES TO T.D.	PROSPECTS POOR FOR DIATOM RECOVERIES TO T.D.	NO NANNO RECOVERIES TO T.D.	POSSIBLE OSTRACOD RECOVERIES TO T.D.	7038-7138 16 ± 3.19 m.y.
MIOCENE LOWER UNIT I (EBERLY)	ANDESITE INTERCALATED CLASTICS, GRADING FROM SHALE TO CONGLOMERATE, DARK RED, INDURATED							
	GRANITE WASH: SUBANGULAR-SUBROUNDED GNEISSIC, GRANITIC ROCK FRAGMENTS IN REDDISH-BROWN SILTY MATRIX							
MIOCENE LOWER UNIT I (EBERLY)	BASALTS							8874-8870 20 ± 10 m.y. INTRUSIVE
	BASALT, DARK RED SILTY, SANDY SHALE ARKOSIC RED SANDSTONE							
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