












South IRAQ Stratigraphic Column

SYSTEM	SERIES (GROUP)	STAGE	FORMATION	MEMBER	GENERALIZED LITHOLOGY	Lithologies Types For Each Formation, Marker (Pick Criteria) For The Formations Tops, Lithologies Description, Average TVD Thickness For Each Formation, Estimated Formation Pore Pressure, Recommendation for Drilling Mud Weight, Down Hole Drilling Problems, Oil/Gas Reservoir Zones And Recommendation for Casing Points.	
TERTIARY	PLOCENE LATE MIOCENE		DIBDIBA			Dibdiba Formation : It's usually exposed at surface. It is composed mainly of Sand / Gravel intercalation with Minor Streaks of (Limestone, Marl, Gypsum & Claystone). Average TVD Thickness of Dibdiba Formation : +/- 225 m. (Heaving / Hole collapse / Caving) is highly possible which will affect hole stability & casing-cement quality in Dibdiba Formation.	
					Lower Fars Formation : It is composed mainly of Marl and/or Limestone intercalation with Minor streaks of (Sandstone, Anhydrite & Claystone). It is picked by appearance of Thick layer of Marl and/or Limestone with Slow ROP. Average TVD Thickness of Lower Fars Formation : +/- 120 m. Caving is highly possible & also issues with plastic movement could be occurred (Marl & clay) in (Lower Fars Formation). Marl:Lt gy, occ/ grnsh gy, sft - mod hd, crypto xin, stky, wash lp, sdy lp, hi calc occ/ gradg to hi arg Limestone, no vis por under visual exam. Limestone: Lt gy, sft - mod hd, crypto xin - fn xin, foss lp, pyr lp, sdy lp, hi arg, vuggy lp, no vis por under visual exam. Sandstone : Lse qtz gr, clss, transi - transp, occ/ dk brn, frbl - mod hd, fn - fn gr, sbang - sbmd, p - mod srtld, foss lp, no vis por under visual exam. Anhydrite : Mlky wh - wh, transp lp, smky wh lp, mod hd - hd, occ/ sft, pstld, amorph. Claystone : Gy - grnsh gy, redsh brn, sft, mod hrd lp, bkly - sbblky, stly lp, sl calc, stky, washable lp. Note : Lower Fars Fm. contains heavy oil in Nahr Ibn Umer field. Estimated Fm. PP: 64 - 65 pcf (1.03 - 1.04 gm/cc) EMW Recommended drilling MW: 65 - 67 pcf (1.04 - 1.07 gm/cc)		
	MIDDLE MIOCENE	SERRAVALLIAN AQUITANIAN	LOWER FARS			Ghar Formation : It is composed mainly of Sand / Gravel & Sandstone interbedded with sandy Limestone. It is picked by appearance of Sand / Gravel & Sandstone with Fast ROP. Average TVD Thickness of Ghar Formation : +/- 155 m. Sand / Gravel : lse qtz gr, clss, transi - transp, m - crs gr, occ/ v.crs grn, sub ang - sub rd, p - mod srtld, calc cmt lp, foss lp, no vis por under visual exam. Sandstone : Lse qtz gr, clss, transi - transp, occ/ yell, frbl - mod hd, fn - fn gr, occ/ m gr, sbang - sbmd, p - mod srtld, calc cmt lp, foss lp, no vis por under visual exam. Limestone: Lt gry - off wh, lt brn - crmy, mod hd, crypto xin - fn xin, foss lp, sdy lp, no vis por under visual exam. Estimated Fm. PP: 64 - 65 pcf (1.03 - 1.04 gm/cc) EMW Recommended drilling MW: 64 - 65 pcf (1.03 - 1.04 gm/cc)	
					MIDDLE EOCENE	PRIABONIAN LUTETIAN	DAMMAM
	PALEOCENE - EARLY EOCENE	YPRESIAN	RUS				
					THANETIAN DANIAN	UMM ER RADHUMA	
	CRETACEOUS	UPPER	MAASTRICHTIAN	TAYARAT			
					SHIRANISH		
			HARTHA				
					SADI		
SANTONIAN CONIACIAN		TANUMA					
				TURONIAN	KHASIB		
CENOMANIAN		MISHRIF					
				RUMAILA			
		AHMADI					
				MAUDDUD			
	ALBIAN	NAHR UMIR					
				LOWER	SHUAIBA		