



**LEGEND**

- UPPER JURASSIC PRINCIPAL RESERVOIR (OIL)
- UPPER JURASSIC PARTIAL RESERVOIR (OIL)
- UPPER JURASSIC PARTIAL RESERVOIR (GAS)
- 9,000 — ARAB ZONE 'TOPS' OF STRUCTURES (IN FEET)
- 'AB' — EXTENT OF ARAB 'A' & 'B' RESERVOIRS
- 'C' — EXTENT OF ARAB 'C' RESERVOIR
- 'D' — EXTENT OF ARAB 'D' RESERVOIR
- ← RIYAD/FARS CROSS WARP

**PLATFORM FIELDS  
UPPER JURASSIC**

PLATFORM FIELDS (JURASSIC)

RESERVOIRS	OXFORDIAN, KIMMERIDGIAN, LITHONIAN - HITH; ARAB A, B, C, D; JUBAILA, HANIFA, TUMAIG (CARBONATES)	
RESERVES	98% CARBONATES (ODDOL, GRAINSTONE, LIME SAND-RELATED P AND P)	
RESERVES PRODUCED	OIL - 10 <sup>9</sup>	GAS TCF
PROVEN AND PRODUCED	34.0	?
POSSIBLE, PROVEN AND PRODUCED	109.3	80.0*
RESOURCES ULTIMATE	166.8	120.0*
SOURCE	BATHONIAN, OXFORDIAN, KIMMERIDGIAN - SARGELU, HANIFA (LIMESTONE, MARL, SHALE)	
CAP	UNDERLIE, INTERFINGER - ? LONG DISTANCE MIGRATION ? (EVAPORITES) - HITH (KIMMERIDGIAN/LITHONIAN)	
TIME OF MATURATION	EARLY CRETACEOUS (SARGELU) MIDDLE TERTIARY (HANIFA)	
TIME OF MIGRATION	TIME: 1ST PHASE EARLY TO MIDDLE CRETACEOUS - 2ND PHASE LATE TERTIARY TO RECENT	
MODE:	UP-DIP, LATERAL MIGRATION TO "ONE SIDED", (NORTH DIPPING) E-W RIYAD/FARS CROSSWARP, LATE STAGE VERTICAL MIGRATION FROM UNDERLYING SOURCE,	
* ASSOCIATED GAS	FROM KHUZESTAN (S.E. IRAQ/W. IRAN) SOURCE SEQUENCE, VIA N-S POROSITY FAIRWAYS (IE. EN NALA AXIS) TO PINCH OUT IN ARAB RESERVOIRS ON HALF FORMED CROSSWARP (SOUTH CLOSURE ON E-W RIYAD/FARS CROSSWARP BEGAN IN LATE LOWER CRETACEOUS), FAIRWAYS FOR "RAMP" MIGRATION CLOSED WITH LATE CRETACEOUS PLATE COLLISION/FOLDING. SECOND PHASE MIGRATION OCCURRED WHEN HANIFA ADJACENT TO ACCUMULATIONS REACHED MATURATION IN MIDDLE TERTIARY. CONTINUED GROWTH OF TRAPS CONCENTRATED LARGE ACCUMULATIONS. (MAY HAVE BEEN LOCAL SOURCE IN SOUTHERN GULF, EAST OF QATAR) REFERENCES: WILSON, 1980; MURIS, 1980; SETUDEHNIA, 1978; JAMES, 1965; ARAMCO STAFF, 1959.	
EXPULSION EFFICIENCY	22% TO 30% (50% OF ISOPACH CONSIDERED SOURCE)	
TIME OF TRAP FORMATION	SALT BASIN - ? FLOWAGE PLATFORM - MINOR EARLY CRETACEOUS MAJOR LATE CRETACEOUS-TERTIARY	

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International boundary representation is not necessarily authoritative.

**PLATFORM JURASSIC RESERVOIR FIELDS  
OIL AND GAS MAPS AND SECTIONS OF THE ARABIAN-IRANIAN BASIN**  
By  
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(INFORMATION AS OF 1980)

