

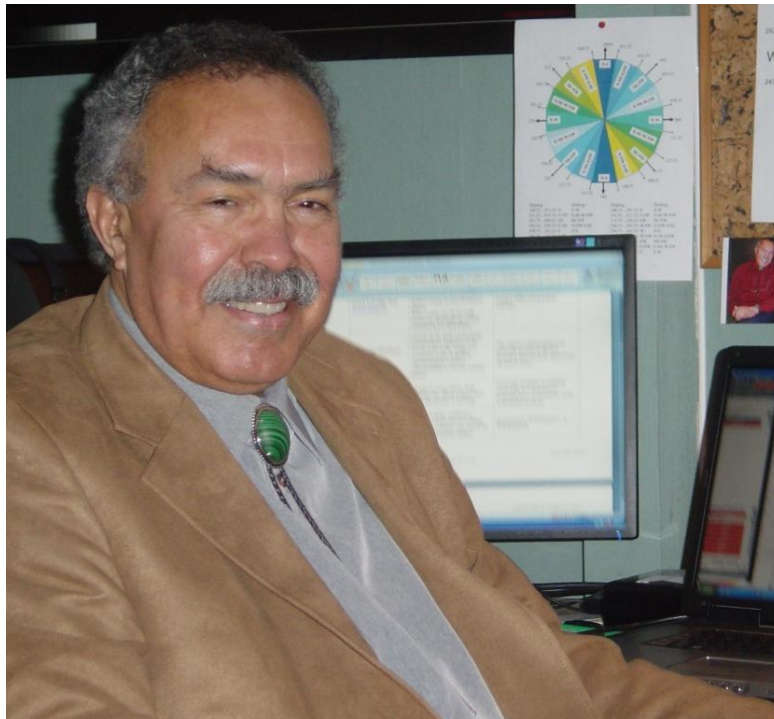
**CV with Résumé Of  
Abdelkader SAADALLAH Dr (<https://saadgeo.com/>)**

**Experience:** + 50 Years; 124 Books, Reports, Publications...

Structural Geology, Petroleum Geosciences, Characterisation of Reservoirs

**&**

**consultant at PUQI (<http://www.pqwtcs.com/>), implementing electric devices to detect underground water, pipe leakage, ore cores, cavities, archaeological sites, leaks in dams and measuring resistivities to correlate formations.**



**Saadgeo**

<http://saadgeo.com/>

## 1. RESUME

Key features characterising the experience in **Borehole Imaging and Dipmeter, more than 70 projects since 1997:**

- North Sea –Danish, Norwegian & UK Sectors- (Frøyahøgda, Gyda, Tor, Snorre, Yme, Trøndelag area, Varg, Svale, Valdemar, Lulita/Harald, Dan, Fram, and Rosebank Fields);
- Middle East: Qatar (Al-Shaheen Field); Saudi Arabia (Gawar Field); Iraq (Tawke), Iran (South Pars and Zagros fields); Yemen (Nabrajah)
- Italia (Val d'Agri Field), Kazakhstan (Zhagabulak), Vietnam (Bao Vang & Baoden)
- Borehole images data studied are of FMI, FMS, CBIL, STAR, UBI, OBMI, CAST, EMI, and XRFMI tools; GVR images; Density borehole imaging: ADN, ALD tool
- Dipmeter data studied are HDT, SHDT, DIPLOG, HEXDIP
- Tools from different logging companies: Schlumberger, Baker Hughes, Halliburton & CNLC
- Implementing RECALL Petris' software package (In house)
- Articles and presentations related to borehole imaging;
- A course to geoscientists of KOC (Kuwait): Characterisation of fractured reservoirs

### **Company Clients:**

BP, ConocoPhillips, Maersk, Norsk Hydro, PGS, Petra, Saudi Aramco, Shell, Statoil, Talisman, DNO, Aral, Chevron, Gazprom, and Fram Exploration; related to **fields** in North Sea, Middle East, Italia, Kazakhstan, Vietnam & Trinidad.

### **Background:**

Extensive **Structural Geology** field and structural studies mainly in Algeria during 24 years, with about 40 publications, studies, theses and supervised theses.

### **About Database creation and management:**

Implementing Fresco software to load data in Database of Shell (Stavanger) during 8 months (2000-2001); Using Geoframe to create and manage Database (Tampen Area) of more than 300 wells (2001); Creating database of well data within projects regarding up to 28 wells per projects using Recall Software.

### **About Fractured Reservoirs:**

Fractured Reservoirs (carbonate, basement, volcanic), need a particular in depth studies aiming to characterise Draining Features (Layers & Channels) intersecting two matrixes, the Fracture Network background, and the genuine matrix formation second and original background.

### **Consultant at PUQI (<http://www.pqwtcs.com/>):**

Starting a new chapter, from 2017 forward, consultant with PUQI, implementing electric devices to detect underground water, pipe leakages, ore cores, cavities, archaeological sites, leaks in dams and measuring resistivities for formation correlations.

## 2. CURRICULUM VITAE

### GENERAL INFORMATION

Name Abdelkader Saadallah  
Citizenship Algerian & Norwegian  
Civil Status/Birth Day Married, born 12 January 1944  
Languages English, French, Arabic, Norwegian  
Profession Structural Geologist – Borehole Images/Dipmeter interpretation  
E-mail [Abdelkader.saadallah@gmail.com](mailto:Abdelkader.saadallah@gmail.com)  
Tel. Mob. In Norway + 47 47 27 04 75  
Mob. In Algeria + 213 658879304  
Website <https://saadgeo.com/>

### MEMBERSHIPS

Geo Africa Sciences Society since 2010 President Founder (<https://geofricasciences.org/>)  
AAPG since 2002 American Association of Petroleum Geologists  
SPWLA & NFES since 2005 Society of Petrophysicists and Well Log Analysts

### EDUCATION

1992 **Doctorate** ('Doctorat ès Sciences') in Structural Geology,  
1981 **PhD** ('These de 3 ème cycle') in Structural Geology  
1970 **First postgraduate diploma** ('Diplome d'Etude Approfondie')  
Structural Geology)  
1969 **Geologist** Algiers' University

### CAREER SUMMARY

In addition, consultant at **PUQI** (<http://www.pqwtes.com/>):  
2017 to date Hunan Puqi Geologic Exploration Equipment Institute  
R & D and Manufacturer of Geological Exploration Equipment,  
Changsha (China)  
2014 to date **SaadGeo, Consultant in GeoSciences, Norway**  
1999 to 2013 **Borehole Images/Dipmeter Interpreter & Manager:** Saadallah  
Geoconsultant AS, Stavanger Norway  
1996 - 1999 **Borehole Images/Dipmeter Interpreter:** Baker Hughes Stavanger,  
Norway  
1995 – 1996 **Professor (Structural Geology):** University Besancon, France.  
1994 – 1995 **Searcher (Structural Geology):** CNRS Montpellier, France  
1993 – 1994 **Professor & Searcher Team Leader (Structural Geology):**  
University, Algiers  
1993 - 1994 **Consultant (Structural Geology):** Sonatrach and BP, Algiers, Algeria  
1973 – 1993 **Associate Professor/Searcher (Structural Geology),** Member of the  
National Research Council: University, Algiers  
1982 - 1991 **Searcher Team Leader (Structural Geology & Mapping):**  
University, Algiers  
1977 - 1978 **Consultant (Structural Geology):** Sonatrach, Algiers  
1975 - 1976 **Organiser** of the first and the second National Seminar of Earth  
Sciences -“SNST”, Algiers

1974 - 1977 **Manager of Geological Institute**, University, Algiers  
 1972 - 1970 **Professor** (Sciences) College, Algiers  
 1967 - 1969 **Assistant Geologist in Drilling** (summer times) **Total-Sonatrach, Sahara**

**EXPERIENCE**

1999 to date **Saadallah GeoConsultant AS** (Stavanger)  
 Manager, Borehole Imaging/Dipmeter data: processing and interpretation, Creating and managing data base, Fracture studies, Core Goniometry studies, Completion logs and plots

1996 - 1999 **Baker Hughes** (Stavanger)  
 Structural geologist, Borehole Images/Dipmeter data: processing and interpretation, fracture studies

1995 - 1996 **University**, Besançon, (France).  
 Professor: Structural Geology

1994 - 1995 **Laboratoire CNRS** Montpellier, (France)  
 Researcher: Structural Geology

1993 - 1994 **University**: Algiers (Algeria)  
 Professor/researcher supervisor: Structural Geology

1993 - 1994 **Sonatrach and BP**, Algiers  
 Consultant: structural geologist & field studies

1973 – 1993 **University**: Algiers  
 Associate professor/researcher, Member of the National Research Council, Research Team Leader, Supervisor of PhD (Theses de Magister of 5 students) Member of IGCP 27 (Participation to several Annual Field Meetings in Caucasus, Yugoslavia, France and Spain. Organiser of the Annual Field Meeting in the North Algeria in 1990, leading the field trip, seminary, presenting cross-sections and a Guide Book of the field trip. 30 geologists from 14 countries attended the field trip), Consultant: structural geologist (Sahara), Organiser of 1<sup>st</sup> & 2<sup>nd</sup> National Seminar of Earth Sciences, Manager of Geological Department.

1973 – 1970 **Professor of sciences** in secondary school, Algiers.

1967 - 1969 **Total-Sonatrach oil company**  
 Assistant geologist during 2 summers on a drilling program (Summer time) Sahara

**PROFESSIONAL TRAINING**

Year	Title	Organizer
2001	GeoFrame: Data loading and management	Aker Geo Petroleum Services
2000	Terrastation (loading, processing, interpretation, borehole images)	Terrasciences
1998	Technical organisational seminar	Baker Hughes
1998	Borehole Image Processing (recall)	Baker Hughes
1998	Core analysis	Baker Hughes
1978	Photogeology	CNRS, Montpellier (France)

**FIELD TRIPS**

1991	Cross Section of the Betics (Spain)	IGCP
1985	Cross Section of the Alps	University of Grenoble (France)
1984	Cross Section of the Dinarides (Yugoslavia)	IGCP
1982	Cross Section of the Caucasus (Russia)	IGCP
1981	Cross Section of the Pyrenees (France)	IGCP

## **COMPUTER SOFTWARE SKILLS**

### **Personal Computer Office Systems:**

Microsoft Office: Word, Excel, PowerPoint, Freehand, EndNote, Adobe Illustrator

UNIX GeoFrame, Recall, Terrastation, SDI-Montage, Fresco

LINUX Recall,

WINDOWS Recall, Global Mapper (GIS software)  
Move package (2D, 3D & 4D) & Petrel

## **BOOKS - REPORTS - PUBLICATIONS - COMMUNICATIONS - MAPS – THESES - SUPERVISED THESES**

### **2019**

124- "Algeria: A New Tectonic Framework A proposed new tectonic model for the northern Algerian Alpine Region based on studies of the Internal Zone rejects the previous model and suggests ideas for new hydrocarbon traps and prospects. Article p. 14-18, in GeoExPro Vol 16, No 3 2019

### **2018**

123- "Borehole-Image-Based Characterization of Reservoirs Targeting Draining Features (Fluid pathways)" Article p. 26-30, in SPWLA TODAY Issue5 Vol 1 2018

122- Presentation "New Tectonic Frame of the Algerian Alpine and Subsequently New Strategy for Hydrocarbon Exploration" at the JST11 (11th Journées Scientifiques et Techniques) organized by Sonatrach in Oran (Algeria) 16-19 April 2018

121- Presentation " Caractérisation des Réservoirs pour Mettre en Evidence les Drains Potentiels/Réels " at the JST11 (11th Journées Scientifiques et Techniques) organized by Sonatrach in Oran (Algeria) 16-19 April 2018

### **2017**

120- Book in French: La Grande Kabylie dans le contexte algérien vue par les géosciences. Book, pp 237, avec carte hors texte structurale et géologique au 1/100 000 ISBN : 978-9931-9211-5-8. Dépôt légal 2017 ; Editions INGESE, Alger (Algérie).

### **2016**

119- Book in French: Va de l'Avant ; De la tribu à la culture globale, pp 624, ISBN 978-9931-9211-2-7, Dépôt légal : 1<sup>er</sup> semestre 2016 ; Editions INGESE, Alger (Algérie).

### **2014**

118- Course about (Characterization of Fractured Carbonate Reservoirs: Targeting Drains), carried out in March 2014 for 20 Geoscientists of Kuwait Oil Co, using about 1000 slides and a 439 pages document.

### 2013

117- Article ; structural geological model about Algeria : “Le légendaire « *schéma de DD* » a besoin d’être mis à jour. J’en propose un en hommage à son auteur” in Hommage à Michel Durand-Delga. Géologue des chaînes alpines méditerranéennes, 47-51, *Bull. Soc. Hist. Nat. Toulouse*, 149, 2013, 3-5

116- Presentation “The metamorphic formations of Great Kabylia (Algeria)” at The 1<sup>st</sup> Workshop focussing on the Internal Zones of the Alpine Belt in North of Algeria; WIZIA 13 (June 09-11) University Mouloud Mammeri de Tizi Ouzou (Algérie) and leading a field trip in the MCC of Great Kabylia

### 2012

115- Co-organizing REZAS’13; The 1<sup>st</sup> International Colloquium on "Water resources in the arid and semiarid regions: challenges and prospects. Case of the African continent" occurred at Beni Mellal (Morocco) 14, 15 & 16 November 2012

### Reports 2011

114- Overview of the Structural setting of Trinidad, Southern Basins for Fram Exploration AS (Norway); Report with Figs, maps & cross sections.

113- Processing and Interpretation of Borehole Images FMI of Alsaiq-1 Well (Yemen), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures.

112- Processing and Interpretation of Borehole Images Electric and Acoustic data (FMI & UBI) of Gabdain-1 Well (Yemen), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures.

### Reports & Communication 2010

111- Processing and Interpretation of Borehole Images data (FMI) of 3 wells Sharnah 1 & 2 and Suwehed-S (Yemen), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures.

110- **“Concepts of Pipe-Layers & Pipe Channels in Carbonate Fractured Reservoirs Based on Borehole Image Analyses” AAPG Geosciences Technology Workshop**  
The Role of Fracture & Geomechanical Characterization in the Hydrocarbon Industry:  
Middle Eastern Perspective *June 28 – 30, 2010 Rome, Italy*

109- Processing and Interpretation of STAR & CBIL data of VGP BTR-1X (Viet Nam), for VietGazprom Report with Fig. Tables, Plots & Enclosures

108- Processing and Interpretation of LWD Borehole Images data (GVR) of a horizontal well Nabrajah 10 S2 (Yemen), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

107- **“Carbonate/Fractured Reservoirs: Highlighting Draining Features (Pipe-Layers & Pipe-Channels) Based on Borehole Image Analyses” Presentation at NFES Meeting**  
(SPWLA in Stavanger), February 3<sup>rd</sup> 2010 <http://www.nfes.org/archive/2010/Feb10.h...>

106- Processing and Interpretation of Borehole Images data (FMI) of Nabrajah 10 S (Yemen), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

### **Reports 2009**

105- Processing and Interpretation of XRMI data of Tawke 1 (Lower section) Well (Iraq), for DNO AS (Oslo) Report with Fig. Tables, Plots & Enclosures

104- Processing and Interpretation of Borehole Images data (STAR & CBIL) of VGP-111-BV-2X Well, for Gazprom Report with Fig. Tables, Plots & Enclosures

103- Processing and Interpretation of Borehole Images data (FMI & STAR) of VGP 113-BV-1X & VGP-112-PR-1X Wells, for Gazprom Report with Fig. Tables, Plots & Enclosures

102- Processing and Interpretation of Borehole Images data (EMI) of 3 Wells (Tawke: 2, 4 and 5), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

101- Processing, Interpretation & Correlation of Borehole Images data (FMI) of 3 Wells Nabrajah 5, 10 & 11 (Yemen), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

### **Reports & Communications 2008**

100- Processing and interpretation of Borehole Images data (EMI) of Tawke 15 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

99- Processing and interpretation of Borehole Images data (EMI) of Hawler 2 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

98- Processing and interpretation of Borehole Images data (EMI) of Tawke 11 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

97- Perspectives en Hydrocarbures de l'offshore Algerie et Enseignements tires de la Mer du Nord; Communication at Workshop sur l'Offshore Algerien; Organised by Sonatrach 24-25 June 2008, Algiers.

96- Processing and interpretation of Borehole Images data (EMI) of Hawler1 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

95- Processing and interpretation of Borehole Images data (EMI) of Tawke12 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

### **Reports 2007**

94- Determination of PaleoDirections of Lava Flows based on FMI data of 4 wells from Rosebank Field (UKCS) for Chevron; Report (with Fig, Tables, Plots).

93- Processing and interpretation of FMI, GVR & ADN images data of 205/01-1 Well from Rosebank Field (UKCS) for Chevron; Report (1Vol. with Fig. Tables, Plots).

92- Processing and interpretation of Borehole Images data (EMI) of Tawke5A Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

91- Processing and interpretation of Borehole Images data (EMI) of Tawke8 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

90- Processing and interpretation of Borehole Images data (EMI) of Tawke3 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures

89- Processing and interpretation of FMI images data of 213/27-2 Well from Rosebank Field (UKCS) for Chevron; Report (1Vol. with Fig. Tables, Plots).

88- Processing and interpretation of Borehole Images data (EMI) from Tawke6 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures.

87- Processing and interpretation of FMI, GVR & ADN images data of 213/26-1 & 1Z Wells from Rosebank Field (UKCS) for Chevron; Report (2Vol. with Fig. Tables, Plots).

#### **Reports 2006**

86- Processing and interpretation of FMI data of 3 Wells from Zhagabulak Field (Kazakhstan) for Aral; Report (1Vol. with Fig. Tables, Plots).

85- Processing and interpretation of Borehole Images & Dipmeter data (FMS, HDT, SHDT, DIPLOG, HEXDIP) of 12 Wells (among 28 loaded in a created database) from North Sea; Report (5 Vols. with Fig. Tables, Plots).

84- Processing and interpretation of Borehole Images data (EMI) from Tawke1 Well (Iraq), for DNO AS (Oslo); Report with Fig. Tables, Plots & Enclosures and backup of data (processed and interpreted) implementing RECALL Software.

#### **Reports 2005**

83- Processing and interpretation of Dipmeter data (SHDT & HEXDIP) from seven (7) wells of Frøyahøgda (Norway), for Petra AS (Trondheim); Report (Vol1 & Vol2) with Fig. Tables, Plots & Enclosures and backup of data (processed and interpreted) implementing RECALL Software.

#### **Reports 2004**

82- Processing and interpretation of Density data (ALD) from three (3) wells of Gyda Field (Norway), for Talisman Energy (Stavanger); Report with Fig. Tables, Plots & Enclosures and backup of data (processed and interpreted) implementing RECALL Software

81- In Situ Stress analysis of Tor Field (Norway) based on Caliper data from ten (10) wells, for ConocoPhillips (Stavanger); Report with Fig. Tables, Plots & Enclosures and backup of data (processed and interpreted) implementing RECALL Software

80- Fracture interpretation of Borehole Images of six (6) wells of Val d'Agri Field (Italy) followed by a fast track report, for Shell (Roma); implementing RECALL Software

79- Processing and Interpretation of dipmeter data of three (3) wells of Yme field (Norway). Report with Fig. Tables, Plots & Enclosures and backup of data (processed and interpreted) for Petra AS PGS (Oslo); Implementing RECALL Software.

78- Processing and Interpretation of dipmeter data of four (4) wells of Trøndelag area (Norway). Report with Fig. Tables, Plots & Enclosures and backup of data (processed and interpreted) for Petra AS PGS (Oslo); Implementing RECALL Software.



77- Processing and Interpretation of OBMI data of 34/7-P-03 Well (Snorre Field) (Norway). Report with Fig. Tables, Enclosures and backup of data (processed and interpreted) for Statoil AS (Stavanger); Implementing RECALL Software

### **Reports 2003**

76- Revision and Re-interpretation of dipmeter/images data of eleven (11) wells of Varg Field (Norway). Report with Fig. Tables and Enclosures for PERTRA AS PGS (Oslo); Implementing GEOFRAME Software.

### **Reports, Articles & Communications 2001-2002**

75- FMS data of AZ-184 Well (Ahwaz Field, Iran): Identification of Geological Planar Features and Interpretation Focussed on Fracture Study. Report with Fig. Tables and Enclosures, for Statoil (Stavanger); Implementing RECALL Software

74- FMI data of Wells SPO-1, 2 and 3 (South Pars Field, Iran), Identification of Geological Planar Features and Interpretation Focussed on Fracture & Vuggy Matrix Studies. Correlation between the three wells. Report with Fig. Tables and Enclosures, for Statoil (Stavanger); Implementing RECALL Software.

73- CAST data of Well MN-281 (Marun Field, Iran), Identification of Geological Planar Features and Interpretation Focussed on Fracture Study & in situ Feature Analysis. Report with Fig. Tables and Enclosures; for Statoil (Stavanger); Implementing RECALL Software.

72- CAST data of Well MN-278 (Marun Field, Iran), Identification of Geological Planar Features and Interpretation Focussed on Fracture Study & in situ Feature Analysis. Report with Fig. Tables and Enclosures; for Statoil (Stavanger); Implementing RECALL Software.

71- FMI data of Well BH-121 (Bibi-Hakimeh Field, Iran), Identification of Geological Planar Features and Interpretation Focussed on Fracture Study. Report with Fig. Tables and Enclosures; for Statoil (Stavanger); Implementing RECALL Software.

70- FMS data of Well MN-181 (Marun Field, Iran), Identification of Geological Planar Features and Interpretation Focussed on Fracture Study. Report with Fig. Tables and Enclosures; for Statoil (Stavanger); Implementing RECALL Software.

69- Article (2002) in "Oil & Gas North Africa Magazine" March & April: Borehole Imaging: Part 1 of 2: Borehole Map & Imaging Tools, Part 2 of 2: QC, Processing & Interpretation.

68- Well 6608/10-6, FMI Data: Processing and Interpretation with a Particular Emphasis on Paleocurrent Directions. Implementing GEOFRAME, report with Fig. Tables & Enclosures, for Statoil (Stavanger).

67- Well BH-90D (Iran), Identification of Geological Planar Features and Interpretation Focussed on Fracture Study. Report with Fig. Tables and Enclosures; Implementing RECALL Software, for Statoil (Stavanger).

66- Presentation (2002) at SIS 2002 (Madrid): Paleocurrent Directions in Sandstone Deposits: Methodology, Workflow and Benefits of FMI Interpretation using GeoFrame. A Case Study.

65- Well BH-116 (Iran), Identification of Geological Planar Features and Interpretation Focussed on Fracture Study. Report with Fig. Tables and Enclosures; Implementing RECALL Software, for Statoil (Stavanger).

64- Well 6608/10-7, FMI Data: Processing and Interpretation with a Particular Emphasis on Paleocurrent Directions. Implementing GEOFRAME, report with Fig. Tables and Enclosures, for Statoil (Stavanger).

### **Reports & Communications 2000-2001**

63- Borehole Imaging: overview; Conference done at NFES Stavanger, 4<sup>th</sup> October, 2000.

62- Core Goniometry for the well 6507/5-3, Snadd Prospect for BPAmoco.

61- Completion Plots of 4 wells for Norsk Agip implementing TERRASTATION II software.

### **Reports about Structural and Fracture studies of Reservoir using BOREHOLE IMAGES Data carried out in Z & S Geosciences Stavanger in 1997-1999.**

The aims were structural and fracture studies of reservoirs. About 150,000 ft of Images logs (FMI, FMS, CBIL and STAR) and petrophysics logs in different geologic contexts: North Sea, Saudi Arabia and Qatar were studied implementing Recall.

Concerning the specific problem known as “Super-K zones” in Ghawar Field (Saudi Arabia) I contributed to its study by 8 reports trying to define role of fractures and high porosity layers in high fluid flow rates of oil or/and water. The identification of in-situ features to define the direction of the maximum horizontal stress and its relationships with the main fracture strike sets.

**53-60 Height (8) reports:** 9 wells of Alshaheen Field (Qatar) interpretation focussed on fracture analyses of borehole images (FMS and FMI) for Maersk (Qatar). The cumulated length is about 90,500 ft. Every report contains figures and enclosures (composite plots, geological map, cross section, different kind of maps illustrating different aspects of fracturing and faulting).

**46-52- Seven (7) reports:** 7 wells of Ghawar Field (Saudi Arabia) for Saudi Aramco: Structural interpretation and fracture analysis of acoustic images (CBIL) and STAR. Relationships with flow rates of oil and/or water and super K-Zones were attempted. The cumulated length is circa 9,000 ft.

**45- One (1) report:** 3 wells of Valdemar Field (Danish sector of North Sea) for Maersk Oil & Gas : Structural interpretation and fracture analysis of electric images (FMI & FMS), 26p, Fig. 52, Enclosures 15 particularly 3D-Structural map of the field. The cumulated length is circa 9200 ft.

**44- One (1) report:** Quick interpretation and Structural Analysis of Dipmeter Data (HEXDIP) of a Wildcat well in South Viking Graben (Norwegian Sector) for Norske Agip.

43- **One (1) report:** 3 wells of Lulita/Harald Field (Danish sector of North Sea) for Maersk olie og Gas: Processing and interpretation of Dipmeter (SHDT) and images (FMI).

42- **One (1) report:** 1 well of Dan Field (Danish sector of North Sea) for Maersk Olie og Gas: interpretation and fracture analysis of images (FMI).

41- Co-author **one (1) report:** 6 wells of the Fram Field (Norwegian Sector) processing and interpretation of Dipmeter, FMI and FMS data for Norsk Hydro.

### **Geological and Structural Maps, Algeria 1976-1992**

40- Saadallah, (1992) Mapping of Grande Kabylie (Algeria) three sheets at the scale of 1:50,000.

39- Saadallah, A., (1981) Mapping of Algiers massif (Algeria) at the scale of 1: 25,000.

38- Attar A., Saadallah, A., Froukhi, R. and Ghandriche, H., 1978. Geological map of the Tafâssasset Paleozoic basin (Sahara) at the scale of 1:500,000. Sonatrach, Alger

37- Saadallah, A. 1976; About 50% of a map of Tiririne at the scale of 1:200,000 in the Precambrian basement of Hoggar (South of Algeria).

### **Reports (Engineering Geology, 1978 & Hydrogeology, 1993)**

36- Saadallah, A. 1993; La couverture calcaire du Djurdjura : un immense réservoir d'eau. Rapport inédit pour le Ministère de l'hydraulique Alger pp. 3. Carte HT1:100,000.

35- Saadallah, A., 1978; Esquisse géotechnique de la région de Bouzaréah (Alger). Rapport inédit avec carte H.T. 1:5,000 pp. 20 pour le compte de COMEDOR (Alger). (CRAG- Univ. Alger).

### **Articles in Periodicals Reviewed by Experts (Structural Geology; 1971-1996)**

34- Saadallah, A. and Caby, R. 1996; Alpine extensional detachment tectonics in the Grande Kabylie metamorphic core complex of the Maghrebides (northern Algeria). Tectonophysics 267 : 257-273.

33- Saadallah, A. Belhai, D., Djellit, H. and Seddik, N. 1996; Coulissage dextre entre zones interne et externe des Maghrébides, et structuration en fleur de la Dorsale calcaire du Djurdjura (Algérie). Geodynamica Acta 9, 4, 177-188.

32- Saadallah, A. and Caby, R., 1994; Structuration et exhumation des massifs cristallins des Maghrébides (Algérie) : les effets de la distension méditerranéenne. Bull. Serv. géol. Algérie. Vol. 5, n° 1, pp. 81-87.

31- Belhai, D., Merle, O. and Saadallah, A., 1990; Transpression dextre à l'Eocène supérieur dans la Chaîne des Maghrébides (massif du Chenoua, Algérie) C. R. Acad. Sc. Paris, 310: 795-800.

30- Monié, P., Maluski, H., Saadallah, A. and Caby, R., 1988; New <sup>39</sup>Ar-<sup>40</sup>Ar ages of Hercynian and Alpine thermotectonic events in Grande Kabylie (Algeria). Tectonophysics 152 : 53-69.

29- Monié, P., Maluski, H., Caby, R. and Saadallah, A. **1982**; Age à 85 Ma par la méthode <sup>39</sup>Ar-<sup>40</sup>Ar du métamorphisme de haute température du massif d'Alger. C. R. Acad. Sc. Paris, 295 : 935-938

28- Bertrand, J.M., Caby, R., Ducrot, J., Lancelot, J., Moussine-Pouchkine, A. and Saadallah, A. **1978**; The late Pan-African linear fold belt of Eastern Hoggar (Algeria). Geology, structural development, U-Pb geochronology, tectonic implications for the Hoggar shield. Precamb. Res., 7/4 : 349-376.

27- Collomb, P., Mahdjoub, Y. and Saadallah, A. **1971**; Etude pétrographique et structurale des gneiss de Sidi Ferruch (massif métamorphique d'Alger) Bull. Soc. Hist.nat. Afr. Nord., 62 /2-3 : 51-70.

#### **Articles in Non-Periodic Magazines (Seismotectonic, 1981)**

26- Kireche, O., Mahdjoub, Y. and Saadallah, A. **1981**; Etude des déformations au sol causées lors du seisme du 10.10.1981 à El Asnam. Place dans le contexte alpin et néogène. Géosciences (Crag, Alger). 1 : 18-58.

#### **Guide Book (IGCP Field Trip, 1990) & Booklet for Students (Geology, 1995)**

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