



## **DARREN CLARK B.Sc., M.Sc., FGS**

**Managing Director and Consultant Wellsite Geologist**

DXC Geological Ltd, 17 Coate Close, Hemlington,

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### **PROFILE**

With 30 years experience in the oil and gas exploration industry I set up the business DXC Geological in January 2018 following a very successful 16 year career as a Wellsite Geologist at Barrel Consultants Limited. Prior to that I spent 6 years working as a Data Engineer and Mudlogger with Baker Hughes INTEQ in the UK North Sea and internationally in Holland and Namibia. I have extensive experience in the geological supervision of wells in the UK sector with numerous operators that are outlined in detail below. I have expertise in geosteered horizontal, deviated and extended reach wells and their associated formation evaluation techniques; I have an MSc in Engineering Geology, a BSc in Earth Science and I am a Fellow of the Geological Society of London and a member of the Petroleum Exploration Society of Great Britain. I am a very capable administrator and have experience with a number of industry software packages including Geologix GEO, RockWare WellCAD, HRH Gravitas and Winlog.

### **SKILLS**

- Wellsite responsibility for all geological, data engineering and formation evaluation activity, supervision and reporting.
- Excellent knowledge of North Sea lithostratigraphy and highly experienced in exploration, appraisal and development wells in the Southern Gas Basin, Central & Viking Graben, Moray Firth and West of Shetlands.
- Experienced in geosteered horizontal drilling through complex channel sands with the use of ultra deep resistivity tools such as Schlumberger GeoSphere, Halliburton EarthStar and Baker Hughes VisiTrak.
- Responsible for the selection of casing and coring points, XPT/MDT pressure and fluid sampling, sidewall core sampling points.
- Experienced in Formation Pressure Whilst Drilling (FPWD) techniques along with High Pressure / High Temperature (HPHT) knowledge and experience.
- Responsible for conducting regular communications with onshore Drilling Operation team and liaising with offshore Drilling Supervisor and rigsite contractors.
- Experienced in high angle extended reach (ERD) wells and their associated drilling techniques and formation evaluation.
- Ensuring geological well objectives are met and any geological risks are identified, evaluated, managed and risk assessed.
- Experienced in the use of oil based mud (OBM) and water based mud (WBM) systems.
- Responsible for cuttings and show descriptions and end of well sample distribution and dispatch.
- Experienced in conventional, aluminium and fibre-sleeved coring techniques, core handling and processing.
- Experienced in conventional and TLC wireline logging and MWD/LWD FE acquisition, witnessing and QC.
- Computer literate, including use of offshore communications, geological and engineering database packages, log drawing packages (Geologix GeoSuite, RockWare WellCAD, HRH Gravitas Winlog) and standard PC applications.
- Responsible for drafting wellsite geological Lithlog and proficient and very thorough in post well Composite well log and End of Well Report editing and preparation with a keen eye for detail.
- Experienced in the evaluation and management of contractors performance including periodic reviews.
- Confident in the use of the latest Heavy Mineral, Chemostratigraphy, Palynology and Biostratigraphy techniques.
- Participation in well planning, DWOP, hole section preview and review meetings, daily conference rig calls, daily pre-tour meetings and rig safety meetings.
- Participation in end of well review and wash-up meetings for lessons learned, highlights and lowlights for future well planning.
- Responsible for wellsite data management, quality control and archiving and the compilation of final well data sets and distribution.
- Excellent personal communications skills with firm professional confidence, diploma and highly team orientated

## EMPLOYMENT HISTORY

DXC Geological Ltd	Director and Consultant Wellsite Geologist	Jan 2018 - Present
Barrel Consultants Ltd	Wellsite Geologist	Sep 2001 - Dec 2017
Baker Hughes INTEQ	Data Engineer / Logging Geologist	Feb 1995 - Sep 2001

## INDUSTRY RELATED TRAINING

EnQuest iMorph Training, Control Of Work, October 2024  
IWCF Level 1 Programme 2016  
Sabre Panaseal FaceFit, June 2016  
Compressed Air Emergency Breathing System (CA-EBS), August 2014  
MIST Training, January 2023  
Drilling and Advanced Rig Training (DART), October 2013  
Merlin Extended Reach Drilling (ERD), October 2013  
Operations & Wellsite Geology, Stag Geological Services, January 2001  
Workplace Competency Assessor Course, D32/D33 S.Q.A., August 1998  
DuPont Safety Training Observation Program (S.T.O.P) Course, April 1997  
Baker Hughes INTEQ Pressure Evaluation Course, March 1997  
BP Amoco HPHT Course, February 1997

## EDUCATION

1992 – 1993

M.Sc Engineering Geology, Newcastle University

One year taught course including modules in the following;

Engineering Geology, Civil Engineering, Site Investigation, Hydrogeology, Soil Mechanics, Dam Engineering and Hydraulic Structures, Foundation Design and Construction.

Dissertation on 'Current Practice in the Laboratory Testing of Aggregates with Reference to the Whin Sill Dolerite of Northumberland'.

1989 – 1992

B.Sc Geology & Geography Earth Sciences, Anglia Ruskin University

Three year taught course in Geology and Geography Earth Sciences including modules in the following;

Igneous Petrology, Metamorphology, Sedimentology, Human and Physical Geography, Geographical Techniques, Theoretical and Applied Geomorphology, Palaeoenvironments, Geological Processes, Data Analysis and Processing, Resources, Stratigraphic Principles, Climatic Change, Plate Tectonics and Crustal Evolution.

Dissertation on 'The Petrography, Mineralogy and Geochemistry of the Great Whin Sill, Middleton-in-Teasdale, N.E. England'.

1981 – 1989

Sedgefield Community College & Sixth Form College

Advanced Level Geology, Geography and Art.

## PERSONAL

British, 53 Years Old, Married, Excellent Health, UK Driving Licence, Vantage #: 0137858

## INTERESTS & HOBBIES

I am a keen amateur photographer with an interest in wildlife and travel photography and I enjoy getting out in the fresh air on my Mountain Bike and Kayak. I have a self-taught knowledge of web design that I use to produce the DXC Geological company website.

## HEALTH & SAFETY CERTIFICATION

OGUK Further Offshore Emergency Training, Expires January 2027

OGUK Offshore Medical, Expires July 2025

OGUK Escape Chute Training, Expired September 2023

Covid-19 Triple Vaccinated, December 2021

## PROFESSIONAL AFFILIATIONS

Geoscience Energy Society of Great Britain, formerly PESGB, Since 2001

Fellow Member of the Geological Society of London, Since 1999

## WELL HISTORY (Consultant Wellsite Geologist)

COMPANY	FIELD/AREA	WELL	TYPE	YEAR
Dana Petroleum	Bittern	29/01b-B6	D/H	2024
	Earn	42/27-4	E/MPD	2023
	Western Isles	210/24a-BP7	D	2022
	Platypus	48/01a-6	A	2012
Serica Energy	Gannet E	21/30c-30	D/H	2024
	North Eigg	3/24c-6, 6A, 6B	HPHT	2022
	Columbus	23/16f-C1	D/H	2021
Cairn Energy	Chimera	3/17a-3	E	2019
Anasuria	Guillemot	21/25-G9	D/H	2019
Azinor Catalyst	Agar	9/14a-17Z	A	2018
INEOS Energy	Breagh Alpha	42/13a-A12	D/CARB	2023
	Breagh Alpha	42/13a-A11	ER/D/CARB	2021
	Breagh Alpha	42/13a-A4Z	D/CARB	2018
	Breagh Alpha	42/13a-A10 & A10Z	D/CARB	2017
	Breagh Alpha	42/13a-A9 & A9Z	D/CARB	2017
Perenco	Ravenspurn	43/26a-E12, E12Z	A/D/CARB	2016-17
EnQuest	Magnus	211/12a-M71	D	2025
	Magnus	211/12a-M70	D	2024
	Magnus	211/12a-M67,M68,M69	D	2023
	Magnus	211/12a-M66	D	2022
	Kraken	9/02b-C4, D4, D4Z	D/H/ER	2020
	Kraken	9/02b-G1, G2, G3	D/H	2018-19
	Magnus	211/12a-M63,M64,M65	D	2018-20
	Magnus	211/12a-M62Z	ER	2018
	Eagle	21/19a-13	E	2016
	Scolty	21/08a-5	D	2016
	Gadwall	21/19-6Y,6Z	D	2015
	Alma	30/24c-W1	D	2015
	Alma	30/24c-K7	D	2016
GDF Suez	Dalziel	22/16-6Z	PT	2015
ConocoPhillips	Enochdu	21/05a-E1Z	D/H	2015
Talisman-Sinopec	Seagull	22/29c-8Y	HPHT	2014
	Godwin	22/17-T27	ER	2013-14
	Olympus	48/12c-11	E	2010
Venture	Alcyone	53/03d-10	E	2010
	Kew	49/04c-7,7z	A	2009
	Barbarossa	47/09c-11	D	2008
	Crosgan	42/15a-3	A/CARB	2014-15
RWE Dea	Breagh Alpha	42/13a-A3 to A8	D/CARB	2012-14
	Severn	43/18a-2Y	E/CARB	2013
	Clipper South	48/19a-C2,C3	D	2012
	Breagh East	42/13a-6	A/CARB	2011
	Cavendish	43/19a-C2Y	A/H/CARB	2010-11
	Macanta	42/14-2	E/CARB	2010
	Airidh	42/19a-1	E	2010
	Topaz	49/02a-6	E/CARB	2008
	Tees	42/27a-3	A	2007-08
	Babbage	48/02a-B1,B2Z,B3	D/H	2009-10
E.ON   Ruhrgas	Rita	44/22c-12,12Z	A/CARB	2008
	Johnston	43/27a-5,5Z	A/H	2007
	Ketch	44/28b-K10z,K10y	A/CARB	2011-12
Tullow	Foxtrot	49/30b-10	E	2011
	Cameron	44/19b-7A	E	2011
	Ketch	44/28b-K9,K9Y	A/CARB	2006-07
	Ketch	44/28b-K8	A/CARB	2006
	Schooner	44/26a-7	A/CARB	2006
	Schooner	44/26a-A10,A10Z	A/CARB	2005-06
	Forties Delta	21/10-D51	D	2005
	Forties Echo	22/06a-E30z	D	2005
Apache	Forties Echo	22/06a-E29w	D	2005
	Forties Echo	22/06a-E27	D	2004

ExxonMobil	Forties Echo	22/06a-E26	D	2004
	Forties Echo	22/06a-E24y	D	2004
	Nevis South	9/13a-N12	A	2011
	Nevis	9/13a-66z,66y	A/H	2005
	Gawain	49/29a-10	A	2004
	Beryl Alpha	9/13a-A82x	D/H	2007
	Beryl Alpha	9/13a-A81	D	2005
	Beryl Bravo	9/13a-B65Z	D/H	2005
	Beryl Bravo	9/13a-B64Y	D/H	2004
	Beryl Alpha	9/13a-A80z	D	2004
	Beryl Alpha	9/13a-A79	D/H	2003
	Beryl Bravo	9/13a-B62	D/H	2003
	Beryl Bravo	9/13a-B59z,B59y	D/H	2003
	Beryl Bravo	9/13a-B58	D	2002-03
	Camelot East	53/02-11	D	2003
Kerr-McGee	Courageous	30/02a-5	D/H	2005
	Janice	30/17a-J9Z	D/H	2003
	Tullich	9/23a-T1,T2X	D	2001-02
	Leadon	9/14b-S7	D/H	2002
	Leadon	9/14b-S2Z,S2X	D/H	2002
	Janice	30/17a-J7Z	D/H	2001

E - Exploration; A - Appraisal; D - Development; H - Horizontal/Deviated; HPHT - High Press/Temp;  
ER - Extended Reach; CARB – Carboniferous; MPD – Managed Pressure Drilling

## WELL HISTORY (Data Engineer & Mudlogger)

COMPANY	FIELD/AREA	WELL	TYPE	YEAR
Talisman	Hannay	20/05c-8,8Z,8Y	D/H	2001
ExxonMobil	Skene	9/19-S4,S4z	D/H	2001
	Ganymede	49/22-Z7	D/H	1998
	Malory	48/12c-10	A	1997
	Camelot	53/01a-13	A	1996
	SNS Gas Basin	49/22-16,17,18	E/A	1995-96
	Gawain	49/29a-G2,G2st	D/H	1995
BP Amoco	Arbroath	22/17-T21	D/H	2001
	Foinaven	204/19-B10a,p28a	D/H	2001
	Foinaven	204/19-B10a,p28b	D/H	2001
	Foinaven	204/19-B10z,p28b	D/H	2001
	Schiehallion	204/20-P	E	2001
	North Davey	49/30a-7A	D/H	2000
	Schiehallion	204/20-LO3	E	1998
	Forties	22/06a-Various	D/H	1998
	Appleton Beta	30/11b-4	A	1997
	Ettrick	20/03a-6	E	1997
	Scott	15/22-14	PT	1997
	Davy	49/30a-DC,DD	D/H	1995
	Viking	49/12a-K4,K4z,K5	D/H	2000
Conoco	Vixen	49/17-13z	D/H	2000
	Callisto North	49/22-N,N1,N3,N6	D/H	1999
	MacChulloch	15/24b-W1,W1z	E/H	1996
Phillips	Alison	49/11a-B1X,B1Y	E/H	1995
Kerr-McGee	Leadon	9/14a-B,Bx,By,Bz	A/H	1999-00
	Lyme Bay	97/12-1	E	1995
Shell	Bass	14/28a-3	E	2000
	Schooner	44/26a-A8	D	2000
	Gawain	49/24-A1Y	E	1999
ARCO	Thunderball	14/26b-5	E	1997
	Waveney	48/17c-12	E	1996
Ranger	Anglia	48/18b-13	E	1996
Premier	Lybster	11/24-1	E	1996
Enterprise	Nelson	22/11-N16y	D/H	1996
Marathon	West Brae	16/06a-V1	E	1997
BP Amoco	Rijn	P15-15	D/H	2001
	De Ruyter	P11-02	E	1996
Norsk Hydro	Namibia	1911-10-1	E	1995

E - Exploration; A - Appraisal; D - Development; H - Horizontal/Deviated; HPHT - High Press/Temp;  
ER - Extended Reach; CARB - Carboniferous; MPD - Managed Pressure Drilling

## CLIENT REFERENCES

Stuart Hignett, Senior Operations Geologist, EnQuest / Serica Energy.  
Noel Geoghegan, Senior Operations Geologist, Dana Petroleum.  
Marcus Bawdon, Operations Geologist, Serica Energy.  
Richard Lumley, Senior Operations Geologist, RWE / INEOS (Retired).  
Zoë Barnett-Lee, Operations Geologist, INEOS.  
Chris Rogowski, Senior Operations Geologist, Perenco / E.ON.



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