

TONY FORD Wellsite Geologist

June 2015

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Trading as:
TONY FORD GEO CON P.L., ACN 168 187 424, ABN 971 681 874 24
AD FORD, Sole Trader, ABN 13 797 801 527

Bachelor of Applied Science (Geology) Bendigo CAE, May 1983

Available as consultant wellsite geologist on oil, gas & coal exploration, appraisal and development work.

Experienced wellsite geologist, MWD & LWD Engineer, Directional Drilling Tool Engineer, Abnormal Pressure Detection & Data Engineer and Mud Logger. BOISET current.

Residing in Sale, Gippsland, Victoria, available to travel Australia wide.

EMPLOYMENT SUMMARY

Returned to field operations (Wellsite Geologist) 2012 after ten year break. Established Tony Ford Geo Con P.L., 21 February 2013.

2012-2015, completed the following, [with references]

Contract Wellsite Geologist (WSG)- with **Woodside Energy**, September 2014 to June 2015, three development wells and two exploration wells offshore Northwest Shelf, Western Australia [through Reservoir Dogs- Peter Gibson; rdogs@iinet.net.au]
Steve Townsend Steve.Townsend@woodside.com.au Operations geologist
Paul Slijderink Paul.Slijderink@woodside.com.au Operations geologist

WSG - **Statoil**, Mar-Jul 2014, five Exploration wells, Southern Georgina Basin NT
Griff Weste geoweste@ozemail.com.au, mob 042 860 0110 / P 08 8450 0407

WSG - **QERL**, Ophir-04, Jan-Feb, 2014, CSG well Galilee Basin QLD:

Graham Pope GPope@qer.com.au, mob 041 304 3282 / P 07 3222 0600

WSG - **Strike Energy**, Klebb-01, Dec 2014- CSG well, Cooper Basin:

Andrew Farley andrew.farley@strikeenergy.com.au mob 040 858 1795 / P 02 9397 1424

WSG - **Tellus/P.N.C.**, Pirie-01, Cooper Basin, Sep-Nov 2013 with Doug Short -Cooper Basin:

Doug Short atizvar@bigpond.net.au mob 040 820 4102 / P 08 8379 5757

WSG - **Lakes Oil NL**, Yallourn Power-1, stratigraphic core, West Gippsland Dec'12-Jun'13:

Tim O'Brien tim.obrien@lakesoil.com.au mob 042 996 1565 / P 03 99273500

WSG - **Green Power Energy Australia**; coal core project - Oct 2012 West Gippsland.

John Watts watts1@iinet.net.au mob 042 794 3919 / P 08 9337 7296

Other - Andrew James ajgeo@ozemail.com.au

1983-2002: *Fifteen years with upstream petroleum industry service companies*: Halliburton Australia (Formerly Gearhart Australia P.L.). *Two years*- Anadril, Schlumberger Australia. Oil and Gas exploration wells, field appraisals and development. *Involved* with 190 wells: completing or helping in End of Well Reports, Formation Evaluation Logs or Gamma logs. *Locations*: Australia, North Sea, Philippines, Thailand, New Zealand and South China Sea. Leading, communication, logistics and liaison were key roles. Engineer [M.W.D./Directional Drilling Tool/L.W.D.] - Australia & Overseas 1995 to 2002. Engineer/Geologist [Pore Pressure Analyst/Formation Evaluation] - Australia, North Sea (UK), Thailand, Philippines 1983 to 1989. Wellsite Geologist, Delhi Petroleum, SW Queensland, 1987-1988.

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September 2014 to April 2015

Wellsite Geologist, Woodside, Northwest Shelf, Western Australia

Contracted as a consultant through Reservoir Dogs to Woodside, jobs were on the Northwest Shelf, under Steve Townsend and Paul Slijderink, Operations Geologists with WEL, and ResDogs contact. Part of a team working two rigs, Atwood Eagle [semisub], and Transocean Deepwater Millennium [drillship], Xena-1 and Vincent development wells, worked on two exploration wells Anhalt-1 and Pyxis-1 (gas discovery)

March to July 2014

Wellsite Geologist, Statoil, Southern Georgina Basin

Five well wildcat campaign for Statoil- OzAlpah-1, Ozbetta-1, Ozgamma-1, OzDelta-1, OzEpsilon-1 under Griff Weste [OpsGeo], working with Michael Cane. Picking casing depths, start of coring point and help deciding TD of well. Wells were conventional rotary drilled to coring point, with wireline retrieved coring operations to TD or through zones of interest. Work entailed; reporting to Operations Geologist Griff Weste, describing cuttings and core, mudlog composition, packing core/cuttings, despatching same, monitoring coring operations and mudlogging operations and wireline operations, quality checking the final product thereof. Wells cased and suspended for further evaluation.

January 16 2014 to February 12 2014

Wellsite Geologist, Queensland Energy Ophir-4. Picking casing depth, start of coring point and deciding TD of well. Well was conventional rotary drilled, and wireline retrieved coring operation to TD. Work entailed lagging, catching, describing and bagging dry ditch cuttings; mudlog composition; monitoring coring operations and processes and descriptions by third party geologists. Monitoring wireline operations and quality check the final product thereof, monitor FRT operation, help pick test intervals. Well cased and suspended as a water producer for land owner.

December 16 2013 to January 1 2014

Wellsite Geologist, Strike Energy Ltd Klebb-1.

Monitor mudlogging operation on conventional rotary drilled well- mudlog composition; processes and descriptions by third party geologists. Monitoring wireline operations and quality check the final product thereof. Well cased and suspended as a potential coal gas producer.

September 2013 to November 2013

Wellsite Geologist, Tellus/P.N.C Pririe-1,

with Doug Short. Gas and oil wildcat well, monitor mudlogging operation- mudlog composition; processes and descriptions by third party geologists. Monitoring wireline operations and quality check the final product thereof, Well cased and suspended as a potential coal gas producer. No significant discoveries.

December 2012 to June 2013

Wellsite Geologist and Company Representative, Assistant to Operations Geologist, Lakes Oil Pty Ltd Morwell, on Yallourn Power-1,

Logging drilling and coring progress, logging gas and returns for the top hole section and wireline retrieved core to TD with detailed reporting on 740m of core. Well classified - Stratigraphic.

October 2012 Wellsite geologist GreenPower Energy Australia

Inspecting coring operation East Trafalgar, West Gippsland, logging core [80m], wrapping and packing and delivery of same to Mulgrave laboratory

Logging While Drilling 2000-2002

Schlumberger Australia- Anadrill,
Locations Australia- Moomba and Bass Strait
Trained in UK, 2001, for using the MWD and LWD downhole tools.

Measurement While Drilling, 1995 – 1999

Halliburton Drilling Systems, Level 2: DIS1 engineer on Fortescue, Cobia (1996/1997); HDS1/TRACS engineer on Bream-B / West Tuna (1997), Snapper-Moonfish and Flounder projects (1998) and TRACS engineer Hong Kong, China, 1999.

The TRACS and HDS tools were world leading technology at the time of the release. Moonfish project was one of the longest horizontally drilled wells in Australia. Trained on HDS tools in Fort Worth Texas 1996, 1997.

Pressure Data Analyst, 1989 – 1995

Halliburton Drilling Systems, North Sea, Australia and SE Asia as Senior Field Engineer.
Main duty Overpressure Data Detection Analysis. Liaison between Bass Strait SDL (Surface Data Logging) units and Melbourne Halliburton, Esso and BHP Offices. Helped develop use of PCs in the field for Australia, with the training in the North Sea, UK, Jan-Dec 1990. promoted to Second Man in the UK

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for eight-man crews, and Unit Manager of offshore and onshore logging units back in Australia, Thailand and the Philippines between 1991 and 1992.

Senior Logger, 1988 – 1989

Gearhart Geodata, Gearhart Australia

Unit Manager onshore or senior logger offshore, mudlogging Australia wide. Interesting drilling project in this period where we worked on 2 wells on converted mineral drilling rigs exploring for petroleum or metal deposits in far western QLD, in the Georgina Basin, and in mid-North Northern Territory, and logging the continuous core. Another interesting project was at the top of the hills above Palm Valley, NT.

Wellsite Geologist, 1987 – 1988

Gearhart Geodata, Gearhart Australia

Wellsite Geologist Consultant to Delhi Petroleum in SW Queensland (Jackson area) on four wells, 1988.

Formation Evaluation Geologist or Logger, 1983 – 1987

Joined Gearhart Geodata Division, Gearhart Australia October 3

working Australia wide, initially NW Shelf then primarily Cooper basin as a formation evaluation or mudlogging geologist. Promotion to onshore operations Unit Manager level by 1987. Worked in Bass Strait on the Snapper and Bream platforms; and with Bond Petroleum in the Arafura Sea 1986 on Drill Ship SEDCO 445.

Insurances

Self covered for Insurances for Public Liability, Professional Liability and Injury insurances through Perrymans and Elders Insurance companies.

Proposed Day rates

From \$1500/day.

KEY SKILLS

- Used Gravitas software (STATOIL wells)
- Hold and use current licence for GeoScience Software 5.5.
- Wellsite Geology
- Liaison between wellsite drilling and geological teams to achieve project goals
- Communication with the company operations and reservoir departments
- collecting/compiling/collating of data for reports and logs
- interpreting data for reports and logs
- Evaluation, description of cuttings, cores and sidewall cores hand specimen and microscope
- Analysis, evaluation and interpretation of gas data and ratio calculations
- Elog/Geological/drilling data evaluation Interpretation and Correlation
- Advising on formation pore pressure, drilling hazards and bit optimisation
- Production and transmission of daily reports
- Compilation of lithology log - HRH Winlog software for log construction and visualisation
- Quality Assurance on service companies mudlogging, LWD, wireline, Directional Drilling
- Coring, side wall coring and casing point selection
- Liaison between wellsite drilling and geological teams to achieve project goals
- Inspection of geological sample acquisition, storage and despatch
- "Hot shot" sample selection and shipment
- Wireline witnessing and selection of sample and testing points
- Wireline "quick look" interpretation
- Well data merging to computer systems and databases
- Correlation with offset and regional wells and production of correlation panels
- End of Well Reporting and production of final well and completion logs
- Directional Drilling, MWD and LWD operations
- Training personnel, keeping time sheets, instrumentation and supplies up to date.
- Geological Log Drafting by hand
- Fitting-out, Installing, Commissioning mobile laboratories for computer based data acquisition
- use of Spreadsheets, Word Processing, Databases, Webpage construction
- use of fluoroscopy and gas chromatography and Gamma-ray logging of formations.

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- Quality assurance top priority on tight schedules, complete reports before next well started.
- Implementing new computers and equipment always an exciting challenge to overcome, providing better services to clients, consider myself an adaptable and quick learner.
- achieved a degree in Applied Geology, completing chemistry, physics, calculus and geo-statistics, and experienced using a scanning electron microscope at that time

FURTHER EDUCATION AND TRAINING

BOSET valid to 2018

IT Certificate II 2009, Retail Certificate 2, 2008, LWD Tools, England, Schlumberger, March, 2001

Forklift Operator, March 2000, Workplace First Aid Certificate L2 1999

Power Boat handling, 1999, equivalent to NSW, QLD, SA boat licenses

TRACS Operations 1997, Current HUET 1997 to Aug 2000

Safety in the Workplace 1997, HDS-1 Operations 1996

Directional Drilling 1996, Introduction to Surveying & MWD 1996

LWD Applications 1996, LWD Log Analysis 1996, Augmented Bottom Hole Assembly 1995

How to Supervise People 1992, H2S Survival 1993, Performance Drilling System 1995

Fire Fighting & Survival Course 1990, Wireline Interpretation: Theo Gruppung 1990

Client Relations 1990, Over-Pressure Detection 1990, Mudlogging, Instrumentation 1983

PAST AND PRESENT PROFESSIONAL MEMBERSHIPS

Petroleum Exploration Society of Australia
(member)

MCC (member)

Australian Institute of Geoscientists (past
member)

Geological Society of Australia (past member)

Melbourne PC Users Group (past member)

Australian Institute of Mining and Metallurgy

(past member)

IT

Gravitas WinLog/CoreLog

GeoScience Software 5.5.

Networking multiple PCs in office/home environment

Using Word Perfect, MSOffice (96, 2000, 2007, 2010 Excel, Word, Access.) to complete reports and various work, Windows 95 and 98, Millenium, XP, Vista, 7 and 8

Drafting, using Halliburton's Computer Based Log DIS-1, HDS-1 and LDS software.

Assembling IBM compatibles for use with DOS and Windows [95 to 8.1]

Programming an integrator (a computerised controller and printer) to run a Gas Chromatograph.

Programming techniques and the BASIC computer language

Service Company Clients 1983-2002

Ampolex, Hamilton Brothers (UK,) Occidental (OXY) ,Bond Petroleum, KUFPEC, CHEVRON, Lakes Oil, Premier(UK) ,Phillips66(China), CSR Petroleum(QLD), LASMO(QLD), SAGSCO (Tas,SA,) Magellan, SANTOS, SOC, Esso Australia, MIM Petroleum, Hartogen (QLD), PetroEnergy, BHP Petroleum, BORAL, Inland Oil Company (QLD) Philidrill (Philippines), Delhi Petroleum, Diamond Shamrock(Aust), Marathon, TOTAL, Exxon, Mincor, Ultramar(Aust) ,Fletcher Challenge(Philippines), Minora, Unocal(Thailand), Fletcher Challenge(NZ) WAPET

LOCATIONS

Southern Georgina Basin

Galillee Basin QLD

Bass Strait Gippsland Basin VIC;

Carnarvon Basin, WA,

Canning Basin, WA;

Eromanga Basins, SA, QLD;

Georgina Basin, NT/QLD;

West onshore Otway Basin, VIC,SA

Great Artesian Basin, SA, QLD;

Macarthur River area, NT

Palm Valley Basin,NT;

Perth to Geraldton area, WA

Surat and Bowen Basins,QLD;

Timor Sea (ZOCA-Marathon)

The Northwest Shelf, Onslow to west of Barrow,

off the Montebellos, to north of Broome to

Timor Sea

Overseas:

UK North Sea, Northern Sector, 12 months
onshore Northern Thailand once

offshore Philippines (Busuanga) three times;
and South China Sea once.

Position Descriptions

LWD/M.W.D. engineer and TRACS operator or Logging/Measurement While Drilling, performing gamma ray logging & providing survey data for directional drilling for slightly to highly deviated wells, using a combination of surface sensors & computerised sensor monitoring, remote down-hole directional sensors

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& steering tools for onshore & offshore wells, both locally & overseas. The companies are usually in the forefront with new technology & the training for employees to use. Both U.S.A. based.

DE/DA or Data Engineer or Pore Pressure Analyst: Pore pressure analysis or prediction which uses computer based data acquisition to evaluate formation conditions to safely drill over-pressured claystone or under-pressured sandstone formations & detect potential blowout situations, as well as sample evaluation via SG of clay cuttings, methylene blue titration. I was a senior field engineer at this time.

Wellsite Geologist for four wells in south-west Queensland, lead mud-logger, wire-line loggers, and from the logs deciding intervals for drill-stem testing of gas & oil formations, sidewall coring depths, looking after the clients' best interests, & writing up End Of Well Reports.

FORMATION EVALUATION or Mudlogging

Searching for oil and gas and monitoring safety while drilling like H₂S gas or blowouts- water or hydrocarbons.

The work is in remote locations on drilling rigs onshore and offshore, Australia and overseas. computers, producing hand-drafted or computer generated logs and reports for major oil company clients, leading small teams.