

“Well Doctor” Integrity Management Track Record

Doc: Track Record
Updated on: 27 Jan 2024

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1 Introduction

Well integrity Management is in essence to ensure (good) quality of well barriers (Figure 1), to reduce the risk of uncontrolled release of formation fluids and well fluids throughout the life cycle of a well.

It starts from the understanding and identification of downhole conditions, defining the barrier need, designing the fit for purpose well completion, all the way through to correct implementation, and regular diagnostic and maintenance, so that we have a healthy and productive well through its life time, to the end of safe and clean abandonment, with sufficient protection of the environment and people.

The fundamental requirements for sound Well Integrity Management are technical, operational and organisational competences.

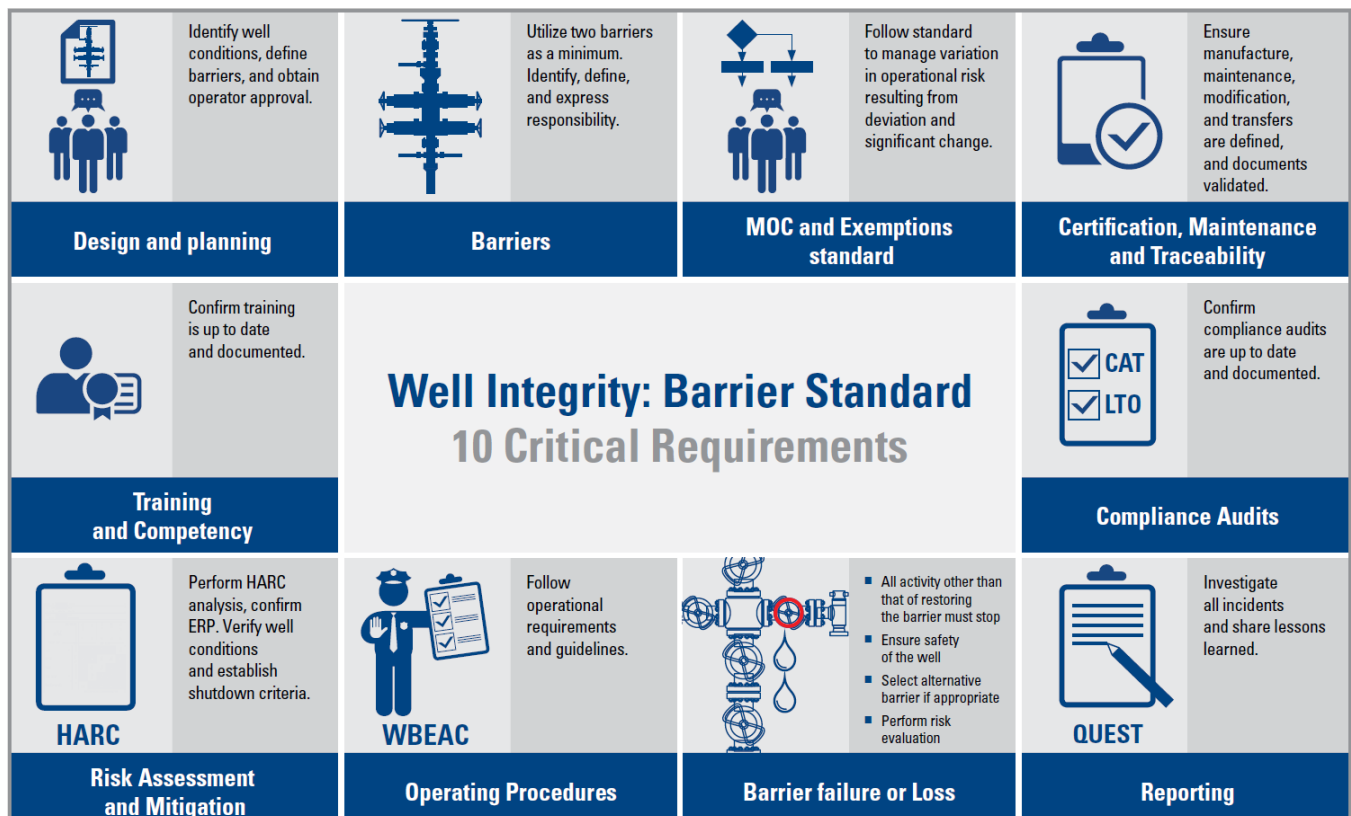


Figure 1: Well Integrity Barrier Standard

2 Track Record

YTA, by transferring knowledge that has been acquired and accumulated through extensive global operations in the petroleum industry, to both petroleum operators who have not had the world-wide exposure, and geothermal operators who are at the nascent learning stage, has made noticeable positive impact on operational efficiency improvement and uptaking of energy from renewable sources.

Our expertise and services go beyond managing a single well's integrity: we take a holistic view of the field, reservoir, adjacent wells and the target well. Equally, our approach to improving any identified deficiencies takes into account a wider context, so any remedial and intervention measures implemented are long-lasting.

The following extensive track record demonstrates YTA's competences, consistency in work quality and the acknowledgement by operators of the supreme value that YTA has delivered.

2.1 Offshore O&G jobs, client: CNOOC

| Job Nr. | Technology | Well Nr. | Well Type | Logging Date |
|---------|----------------|----------|----------------------|--------------------|
| H-019 | Acoustic + PLT | | Oil Producer | Planned in Dec 23 |
| H-018 | Acoustic + PLT | | Oil Producer | 2023-11-01 ~ 11-04 |
| H-017 | Acoustic + PLT | | Fracked oil producer | 2022-12-03 ~ 12-04 |
| H-016 | Acoustic + PLT | | Oil producer | 2022-11-20 ~ 11-22 |
| H-015 | Acoustic + PLT | | Oil producer | 2022-11-17 ~ 11-19 |
| H-014 | Acoustic + PLT | | Gas producer | 2022-07-20 ~ 07-21 |
| H-013 | Acoustic + PLT | | Oil producer | 2022-06-09 ~ 06-11 |
| H-012 | Std PLT | | Water injector | 2022-01-03 |
| H-010 | Std PLT | | Water injector | 2022-01-02 |
| H-009 | Std PLT | | Water injector | 2022-01-01 |
| H-008 | Acoustic + PLT | | Oil producer | 2021-12-30 ~ 01-01 |
| H-007 | Acoustic + PLT | | Oil producer | 2021-11-22 ~ 11-25 |
| H-006 | Acoustic + PLT | | Oil producer | 2021-09-28 ~ 09-30 |
| H-005 | Acoustic + PLT | | Gas producer | 2021-08-28 ~ 08-30 |
| H-004 | Acoustic + PLT | | Oil producer | 2021-08-23 ~ 08-27 |
| H-003 | Acoustic + PLT | | Oil producer | 2021-05-08 ~ 05-16 |
| H-002 | SRO HPHT-PLT | | Oil exploration well | 2019-09-27 ~ 09-29 |
| H-001 | SRO HPHT-PLT | | Oil appraisal well | 2018-12-20 ~ 12-22 |

2.2 Onshore geothermal job, client: China Geothermal Research Institute

| Job Nr. | Technology | Well Nr. | Well Type | Logging Date |
|---------|-----------------|----------|------------------------|--------------------|
| D-003 | SRO P/T sensing | | Geothermal exploration | 2019-10-30 ~ 10-31 |

| | | | | |
|-------|-----------------|--|------------------------|--------------------|
| D-002 | SRO P/T sensing | | Geothermal exploration | 2019-10-27 ~ 10-29 |
| D-001 | SRO P/T sensing | | Geothermal exploration | 2018-07-23 ~ 08-16 |

2.3 Onshore O&G job, clients: CNPC SouthWest, CNPC Daqing, Sinopec

| Job Nr. | Technology | Well Nr. | Well Type | Logging Date |
|---------|----------------|----------|--------------------|--------------------|
| L-067 | Acoustic + PLT | | Shale Gas Producer | 2024-02-01 ~ 02-04 |
| L-066 | Acoustic + PLT | | Shale Gas Producer | 2023-11-21 ~ 11-23 |
| L-065 | EM Sensing | | Gas producer | 2023-11-16 ~ 11-17 |
| L-064 | EM Sensing | | Gas producer | 2023-11-07 ~ 11-09 |
| L-063 | EM Sensing | | Gas producer | 2023-10-30 ~ 11-01 |
| L-062 | Acoustic | | Gas producer | 2023-10-18 ~ 10-23 |
| L-061 | EM Sensing | | Gas producer | 2023-09-25 ~ 09-27 |
| L-060 | Acoustic | | Gas producer | 2023-09-11 ~ 09-15 |
| L-059 | Acoustic | | Gas producer | 2023-09-06 ~ 09-09 |
| L-058 | EM sensing | | Gas producer | 2023-07-11 ~ 07-14 |
| L-057 | EM sensing | | Gas producer | 2023-06-19 ~ 07-07 |
| L-056 | Acoustic | | Gas producer | 2023-06-13 ~ 06-18 |
| L-055 | EM sensing | | Gas producer | 2023-06-05 ~ 06-08 |
| L-054 | EM sensing | | Gas producer | 2023-05-31 ~ 06-02 |
| L-053 | Acoustic-HPHT | | Gas producer | 2023-05-18 ~ 05-25 |
| L-052 | EM sensing | | Gas producer | 2022-11-17 ~ 11-18 |
| L-051 | EM sensing | | Gas producer | 2022-11-12 ~ 11-14 |
| L-050 | Acoustic | | Gas producer | 2022-09-06 ~ 09-10 |
| L-049 | Acoustic | | Gas producer | 2022-08-30 ~ 09-03 |
| L-048 | EM sensing | | Gas producer | 2022-08-17 ~ 08-19 |
| L-047 | EM sensing | | Gas producer | 2022-08-08 ~ 08-10 |
| L-046 | Acoustic | | Gas producer | 2022-08-04 ~ 08-06 |
| L-045 | EM sensing | | Gas producer | 2022-07-27 ~ 07-29 |
| L-044 | EM sensing | | Gas storage | 2022-07-16 ~ 07-17 |
| L-043 | EM sensing | | Gas storage | 2022-07-09 ~ 07-11 |
| L-042 | EM sensing | | Gas producer | 2022-06-24 ~ 06-25 |
| L-041 | Acoustic | | Gas producer | 2022-06-16 ~ 06-17 |
| L-040 | EM sensing | | Gas producer | 2022-06-08 ~ 06-10 |
| L-039 | EM sensing | | Gas producer | 2022-05-27 ~ 05-31 |
| L-038 | EM sensing | | Water injector | 2022-05-22 |
| L-037 | EM sensing | | Water injector | 2022-05-19 |
| L-036 | EM sensing | | Water injector | 2021-12-15 |
| L-035 | EM sensing | | Gas producer | 2021-12-11 ~ 12-13 |
| L-034 | EM sensing | | Gas producer | 2021-12-08 ~ 12-10 |
| L-033 | EM sensing | | Gas producer | 2021-12-04 ~ 12-06 |

| Job Nr. | Technology | Well Nr. | Well Type | Logging Date |
|---------|----------------|----------|--------------|--------------------|
| L-032 | EM sensing | | Gas producer | 2021-11-30 ~ 12-01 |
| L-031 | EM sensing | | Gas producer | 2021-11-26 ~ 11-28 |
| L-030 | EM sensing | | Gas producer | 2021-11-23 ~ 11-24 |
| L-029 | EM sensing | | Gas producer | 2021-11-18 ~ 11-20 |
| L-028 | EM sensing | | Gas producer | 2021-11-14 ~ 11-16 |
| L-027 | EM sensing | | Gas producer | 2021-11-10 ~ 11-12 |
| L-026 | Acoustic | | Gas producer | 2021-10-30 ~ 11-01 |
| L-025 | Acoustic | | Gas producer | 2021-10-24 ~ 10-26 |
| L-024 | Acoustic | | Gas producer | 2021-10-19 ~ 10-21 |
| L-023 | Acoustic | | Gas producer | 2021-10-13 ~ 10-17 |
| L-022 | Acoustic | | Gas storage | 2021-10-10 ~ 10-11 |
| L-021 | SRO HPHT-PLT | | Gas producer | 2021-01-17 ~ 01-20 |
| L-020 | Acoustic + PLT | | Gas producer | 2020-11-25 ~ 11-26 |
| L-019 | EM sensing | | Gas producer | 2020-11-20 ~ 11-21 |
| L-018 | Acoustic | | Gas producer | 2020-11-16 ~ 11-18 |
| L-017 | EM sensing | | Gas producer | 2020-11-13 ~ 11-15 |
| L-016 | EM sensing | | Gas producer | 2020-11-01 ~ 11-02 |
| L-015 | Acoustic + PLT | | Gas producer | 2020-10-31 |
| L-014 | EM sensing | | Gas producer | 2020-10-17 ~ 10-19 |
| L-013 | EM sensing | | Gas producer | 2020-10-13 ~ 10-15 |
| L-012 | EM sensing | | Gas storage | 2019-11-07 ~ 11-09 |
| L-011 | EM sensing | | Gas producer | 2019-10-30 ~ 10-31 |
| L-010 | Acoustic + PLT | | Gas producer | 2019-10-27 ~ 10-29 |
| L-009 | Acoustic + PLT | | Gas producer | 2019-10-22 ~ 10-24 |
| L-008 | EM sensing | | Gas producer | 2019-10-19 ~ 10-20 |
| L-007 | EM sensing | | Gas producer | 2019-10-16 ~ 10-17 |
| L-006 | Acoustic + PLT | | Gas producer | 2018-11-02 ~ 11-04 |
| L-005 | Acoustic + PLT | | Gas producer | 2018-10-27 ~ 10-29 |
| L-004 | EM sensing | | Gas producer | 2018-10-24 |
| L-003 | EM sensing | | Gas producer | 2018-10-23 |
| L-002 | EM sensing | | Gas producer | 2018-10-18 ~ 10-20 |
| L-001 | EM sensing | | Gas producer | 2018-10-15 ~ 10-17 |

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