



HYDRAULIC COMPLETION AND WORKOVER SOLUTIONS

BE PROFESSIONAL. BE FIRST.



2024

WHO WE ARE

Deep Well Services is a Completion and Intervention company specializing in high-pressure and long-lateral operations. We consistently deliver safe and efficient results through top-tier talent, leading-edge technology, and partnerships built on trust and reliability.



ONE TEAM
ONE FAMILY

ABOUT US

Deep Well Services is an oil and gas technology company that specializes in competency-based training, real-time data analytics, and hydraulic completion services.

BE PROFESSIONAL. BE FIRST.
WWW.DEEPWELLSERVICES.COM



THE DWS ADVANTAGE

TO DEVELOP LEADERS & SOLUTIONS THAT DELIVER LIFE SUSTAINING ENERGY TO THE WORLD

OPERATIONS

- Since 2018, we have serviced over 5,500 wells with 1,287 wells being completed in 2023.
- Average HCU fleet age = 3.5 years.
- 99.2% up-time; 48.9 hrs/NPT per 5,000 rig hours.
- Record lateral of 25,518' and 30,189' measured depth achieved.
- Over \$17.6M of critical spares across each DWS location with an additional \$300K on each rig.
- Over 800 wells drilled out in 2023 with an average LL of 12,200' that were completed in 4.4 days.
- Daily operations supported by Engineering, Field Supervisors, and Superintendents, increasing customer safety and efficiencies.

ENGINEERING & ANALYTICS



We provide innovative solutions from pre-job planning and design, to real-time data analytics, enabling you to understand on-site performance and make immediate corrections.

- Real-Time vs. Modeled Torque & Drag Projections
- Customizable Alarms and Dashboards
- Planned vs. Actual (PVA) KPI Live Reporting
- Post Job Analytics AAR (After Action Review)



BoreSite Data Vault, our secure cloud-based platform, allows you to access your historical well data anytime, anywhere.

HSQE & TRAINING

- We finished 2023 with industry-leading safety stats – TRIR 0.78 / DART 0.65 / 0 Recordable Spills / PVIR 3.81.
- Our Training Centers located in the Permian and Appalachian basins include 2 HCU simulators & fully-functional test wells.
- Field employees completed 19,072 hours of training resulting in 249 Competency Promotions.
- Only HCU company in North America that is API Q2 & ISO 9001:2015 certified, with a IADC globally accredited Competency Training Program.

HYDRAULIC COMPLETION UNIT

285K | 300K

LONESTAR SERIES

Our patented Hydraulic Completion Units (HCU) are developed with safety, efficiency, and a Data Acquisition System as the leading design concepts. Our disruptive HCUs specialize in the completion and workover of record-breaking laterals, multi-well pads, high-pressure operations, and complex fishing programs.

KEY FEATURES:

- 20K anchor block design
- 3K SWL Gin Pole integrated with counterbalanced winch system
- Patented buckling support system for high-pressure operations
- Class 1/DIV 2 intrinsically safe upper and lower basket lighting for 24 hr. operations
- DWS patented Data Acquisition System available
- Under 6 truckloads to move the entire HCU package



SPECIFICATIONS

Unit Weight (lb)	60,000-65,000
Max. push capacity (lb)	142,000
Max. lift capacity (lb)	285,000
Rotary (ft/lb)/RPM	10,000/120
Swivel/Kelly (10K) WP	Yes
Stripping BOPs (10K or 5K)	Yes
10K BO/EQ System	Yes
Electric Power Pack Option	Yes
One Pick Rig-Over Technology	Yes

HYDRAULIC COMPLETION UNIT

285K | 300K

PATRIOT SERIES

Our patented Hydraulic Completion Units (HCU) are developed with safety, efficiency, and a Data Acquisition System as the leading design concepts. Our disruptive HCUs specialize in the completion and workover of record-breaking laterals, multi-well pads, high-pressure operations, and complex fishing programs.

KEY FEATURES:

- 4-slips (2-traveling/2-stationary); Full-bore Cavin style 300K rated
- 6K SWL Gin pole integrated with hydraulic scoping and secondary locking device
- 20K split anchor block designs (x2 10K stackable)
- Patented buckling support system for high-pressure operations
- Integrated hydraulic gallery with internal cooling system
- Telescoping mousehole for quick in-basket drill kelly connections
- Fully integrated DWS patented Data Acquisition System



SPECIFICATIONS

Unit Weight (lb)	70,000-75,000
Max. push capacity (lb)	150,000
Max. lift capacity (lb)	300,000
Rotary (ft/lb)/RPM	10,000/120
Swivel/Kelly (10K or 15K)	Yes
BOPs (15K)	Yes
Annular BOP (5K)	Yes
15K BO/EQ System	Yes
Electric Power Pack Option	Yes
One Pick Rig-Over Technology	Yes



BLOW OUT PREVENTERS

10K | 15K

Manufactured in the USA and certified to API 16A & 6A, our lineup of primary 10K & 15K BOPs and accumulators are designed to provide the highest level of well control & QA/QC assurance and traceability to your wellbore interventions.

10K & 15K PRIMARY BOPs

KEY FEATURES:

- 7 1/16" double & single gate options w/ flanged side outlets
- 7 1/16" flow cross w/ dual 2" & 4" MGVs with 3" & 4" HCR options
- Large bore shear bonnets w/ tandem boosters - standard SBR & low force shear rams
- 10K Shaffer Style Annulars available

120 & 250 GAL. CLOSING UNITS

KEY FEATURES:

- 6 & 8 bottle units
- 5 & 6 station set-ups w/ electric over hydraulic PLC remote panels
- Twin diesel motor pump assembly or 1 electric motor pump assembly with 1 diesel motor pump certified to API STD 53
- Additional N2 backup power source



HOT TAP KIT

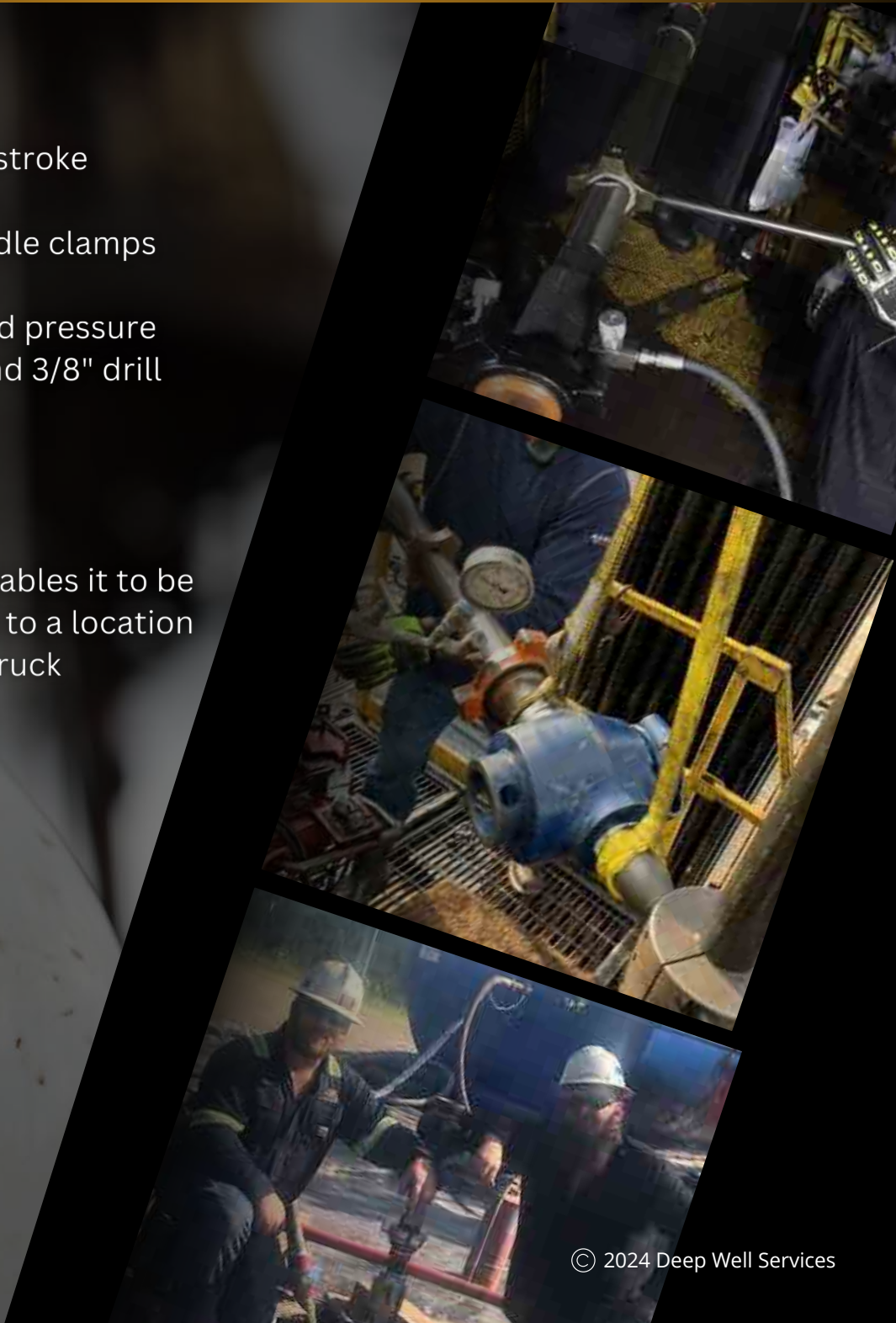
5K

Got trapped pressure? Our experienced DWS pressure management specialists utilize our compact & mobile 5,000 psi hot tap drill to alleviate the trapped pressure in a controlled and safe process. From casing valves to drill pipe, our team is ready to help you get your production back online.

KEY FEATURES:

- 5,000 PSI drill with 18" stroke
- 2.375", 2.875" & 3.5" saddle clamps
- 5,000 PSI test pump and pressure control manifold 1/2" and 3/8" drill bits
- Bit guide spacers
- Compact design that enables it to be packaged and delivered to a location in the bed of a pick-up truck

DEEP
WELL
SERVICES
Division of Sun Energy



TORQUE & TEST

15K | 20K

Our DWS Torque and Test packages provide cost-efficient and reliable onsite nipple up/down and pressure testing services. Our professional Torque & Test crews have the expertise and equipment to support your drilling, completions, and production operations.

KEY FEATURES:

- 15K and 20K trailer-mounted hydrostatic test units
- Up to 225-gallon reservoirs with return tanks to isolate contaminants
- All units equipped with pressure reliefs and rupture discs
- All units are equipped with a hydraulic pump, rated for 1.2 gpm at 10,000 psi, with an independent backup pump and wrenches
- All equipment critical gauge recorders and torque equipment is calibrated and equipped with critical spares



ENGINEERING & ANALYTICS



BoreSite® is a patented Data Acquisition System (DAS) exclusively designed to capture and transform wellsite data into valuable insight for operators within the Upstream Oil & Gas Industry.

KEY FEATURES:

Our live feed data provides real-time visibility into operation(s) anywhere in the world, enabling anyone to understand on-site performance and make immediate corrections.



Customizable Alarms and Dashboards

- Fully customizable dashboard & user reports allowing you to **view the data that matters most to you.**
- Set operational parameters & notification alarms that are **delivered the way you want it.**



Real-time Automated Plug Tracker

- Our real-time automated plug tracker improves data accuracy, provides plug by plug KPI's, and eliminates pen to paper data collection during the frac plug drill-out operation.



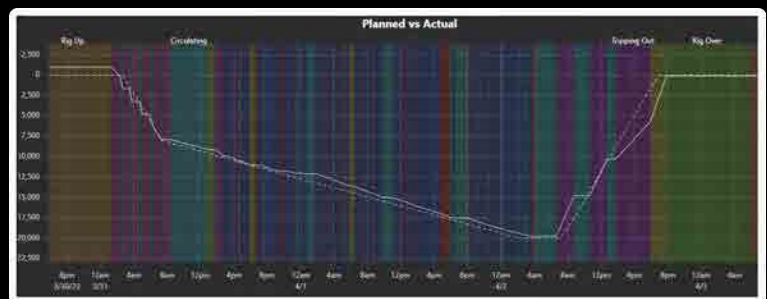
Built-in Data Analytics and User Reports

- Built-in data analytics providing access to current & historical well KPI's, After-Action Reviews, NPT reports, Rig comparisons, and other key data sets to drive continuous improvement.

BORESITE® PLANNED VS. ACTUAL (PVA)

By analyzing our database with 4,000+ historical wells, we have developed true KPI benchmarks that are plotted & trended against real-time KPI data, creating a proactive approach to increasing wellsite efficiencies.

Our BoreSite® Planned vs. Actual (PvA) KPI feature allows your team to make immediate onsite improvements by comparing historical data vs your current operations in real time.



ENGINEERING & ANALYTICS



BoreSite® is a patented Data Acquisition System (DAS) exclusively designed to capture and transform wellsite data into valuable insight for operators within the Upstream Oil & Gas Industry.

MODELED TORQUE AND DRAG SIMULATIONS

A patented process within BoreSite® allows modeled torque and drag simulations to overlap actual live drilling torque that results in substantial cost savings through chemical and fluid efficiencies.



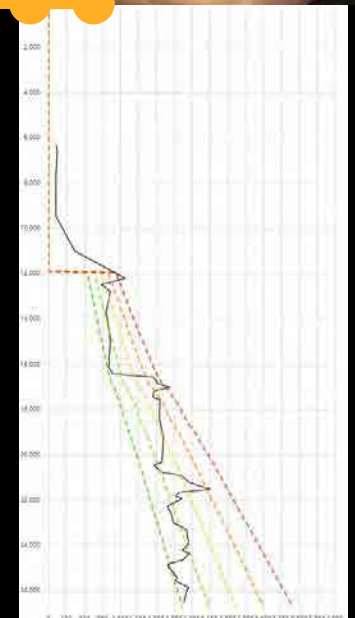
Using overlapping T&D modeled vs real-time drilling data provides full clarity on Changing Downhole Conditions, and Circulation Programs To Optimize Downhole Performance.



Instantly compare friction factor sensitivity analysis trends vs. live chemical injection rates to better understand and manage wellbore debris and drilling ROPs.



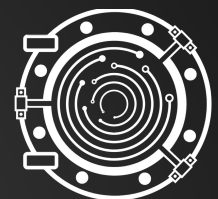
Seamlessly integrated with other data sources on location. The BoreSite® portal is designed to support streaming other data providers on your location via our tie in points & dashboard.



BORESITE DATA VAULT

Maintain full internal control of your data through our BoreSite Data Vault

- This cloud-based portal delivers infinite secure data retention and is supported by Microsoft authentication; allowing you to access your historical well data anytime, anywhere.
- Row-level security - only able to directly access your data.
- Instant download capabilities including raw CSV formats for internal analysis.



**BORESITE
DATA VAULT**
CLOUD-BASED DATA PORTAL

AMERICAN WELL CONTROL ACADEMY



AWCA pledges to bring various corners of the oil and gas industry together to assist in grasping the complexities of well control to achieve incident-free operations.

OUR MISSION

To offer an ideal learning environment promoting safety, integrity, confidence, and technical competence for well-control training through continuous education, real-world experience, and classroom instruction.



IADC'S IMPROVED ASSESSMENT PROCESS ENSURES INTEGRITY AND CONSISTENCY

- Centralized electronic testing system, including random test generation
- Immediate test results and feedback based on learning objectives
- Independently proctored assessments
- Strengthened instructor qualification requirements

WHAT SETS US APART?

AWCA's unique training simulators, flexible scheduling, including weekend training, virtual classroom options, and a relentless focus on creating personalized learning experiences are some of the key differentiators that AWCA provides to their valued clients.

- IADC WellSharp-approved Oil & Gas educational courses provided across 6 US locations
- Traveling Courses Available
- Access to an Instructor throughout certification period
- Multiple Simulators Available
 - 5 Physical Simulators
 - Access to Virtual Simulators



REGISTER TODAY



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CULTURE OF EXCELLENCE 2023

INTEGRITY

We believe in doing the right thing, even if it is uncomfortable. Communicating honestly and following through with commitments.

DISCIPLINE

We take ownership and hold ourselves accountable to strive for perfection. We are focused on the common goal.

FAMILY

We are our brother's keeper. Trusting each other and encouraging growth. We are *One Team, One Family.*

RELENTLESS INNOVATION

We challenge the norm in the never-ending quest for perfection. Fighting complacency at every turn and being creative with solutions.

PROFESSIONAL DEVELOPMENT

We invest in the future of all employees, seeking to provide pathways in both professional and personal growth.

- 2024 NPT GOALS: **0.80%**
- 2024 TURNOVER GOALS: **3.70%**
- 2024 TRIR GOALS: **0.60**

TRAINING AND QUALITY IS KEY.

Our API Q2 certification and IADC globally-accredited training program are some of our key differentiators that allow us to efficiently complete record-breaking laterals & high-pressure well interventions.



H.E.A.D.S. U.P. SAFETY MEETINGS

- H** HOLD UP!
- E** ENGAGE THE CREW.
- A** ASK QUESTIONS.
- D** DOUBLE CHECK THE EQUIPMENT.
- S** STOP!
- U** UNDERSTAND YOUR ROLE.
- P** PERFORM ACCORDING TO PLAN.



THINK Safe Driving

THINK upholds our commitment to safety and our "One Team, One Family" mindset; remembering that driving to and from work is the most dangerous thing we do every day.



STAY CONNECTED



DEEP WELL SERVICES OUR STRATEGIC PRINCIPLE



BE PROFESSIONAL
BE FIRST

A 'strategic principle' is a memorable and actionable phrase that distills a company's corporate strategy into its unique essence and communicates it throughout the organization.

We challenge the norm in the never-ending quest for perfection – Be Professional. Be First.



To Develop Leaders and Solutions that Deliver Life
Sustaining Energy to the World

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