



Fusion of Experience, Innovation & Technology

TRI-MAX Enlarging While Drilling Tool (EWD[®])

The **Proof** is in **Performance Records**

FINAL EWD RUN REPORT

Operator: <u>BP America</u>	Depth Out: <u>10,912 ft.</u>	Well No: <u>Holstein</u>
Rig Manager: <u>Ronnie Sepulveda</u>	Depth In: <u>8,205 ft.</u>	Field: <u>Green Canyon 644</u>
Contractor: <u>Diamond</u>	Footage: <u>2,707 ft.</u>	Area: <u>Gulf of Mexico</u>
Rig: <u>Ocean Victory</u>	ROP: <u>150 - 200 ft./hr.</u>	Date: <u>February 2002</u>

Tool Size Serial # 12" x 14 3/4" EWD S# 31214-03
 Drilling Hrs: 18 hours In Hole Hrs: 53 hours
 BHA: 12 1/4" PDC bit, Powerdrive Rotary Steerable, EWD, MWD, 8" DC, HWDP
 WOB: 8-12k RPM: 100 Hole DEV: 36° to 26°
 Rotary Torq Off Bottom 5-6k Rotary Torq On Bottom: 8-10k Hook Load: 410k
 Mud Type: Synthetic Mud Wt: 11.0 ppg Visc: 65
 GPM: 1000 SP Press: 2,660 psi BHT: _____

Comments:

- * RIH with BHA to below csg shoe. Set and lock EWD drilling position.
- * ROP 300 to 350 ft./hr., control drilled at ± 150 ft./hr., holding angle at 36°
- * From 10,200 ft. to 10,912 ft. began to drop angle to 26° and turn azimuth 60° as planned.
- * EWD showed 10% wear. The 11 3/4" casing went to bottom with no drag encountered.

Company Representative: Ronnie Sepulveda / Gary Price
 TRI-MAX Representative: Mark Harbert



A series of EWD[®] run reports describing tool performance in a variety of applications.
 For additional information contact us at: