



Fusion of Experience, Innovation & Technology

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

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

FINAL EWD RUN REPORT

Operator: <u>ExxonMobil</u>	Depth Out: <u>9,293 ft</u>	Well No: <u>Hutch</u>
Rig Manager: <u>Verice Amos</u>	Depth In: <u>4,730 ft</u>	Field: <u>West Delta 73</u>
Contractor: <u>Nabors</u>	Footage: <u>4,563 ft</u>	Area: <u>Gulf of Mexico</u>
Rig: <u>P141</u>	ROP: <u>Average 45 ft/hr</u>	Date: <u>November 2000</u>

Tool Size Serial # 6 1/8" x 7 1/2" EWD & 6 1/8" 7 1/4" ES
 Drilling Hrs: 103 hours In Hole Hrs: 357 hours
 BHA: 6 1/8" Rock Bit, EWD, 1 1/2° Motor, ES, NMDC, LWD, etc
 WOB: 6-30k RPM: 45 Hole DEV: 31°-0°-55°
 Rotary Torq Off Bottom 4k Rotary Torq On Bottom: 6-8k Hook Load: _____
 Mud Type: WBM Mud Wt: 10.2 Visc: 60
 GPM: 300 SP Press: 3,250 psi BHT: _____

Comments:

- * Enter Sidetrack @ 31° through milled out window, Activate EWD, drop angle to vertical & turn azimuth 180° then rebuild angle to 55°. A full gauge ES was used to help drop angle while a 1/2" under gauge was used to rebuild angle, all this directional work was done with only 14% sliding.
- * 8 bit trips & 2 short trips were made with no drag or overpull noticed at the window. A new EWD was used for each bit trip (not necessary). Wear was minimal and Company man required new tool every bit trip.
- * Expected ROP was 25-30 ft./hr. Average ROP was 45 ft./hr. with rates as high as ± 60 ft./hr.
- * The under gauge ES was pulled from BHA in the last 300-400 ft. to reduce drag - No difference noticed.

Company Representative: Verice Amos

TRI-MAX Representative: Derek Kelehan



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