



CASE HISTORY

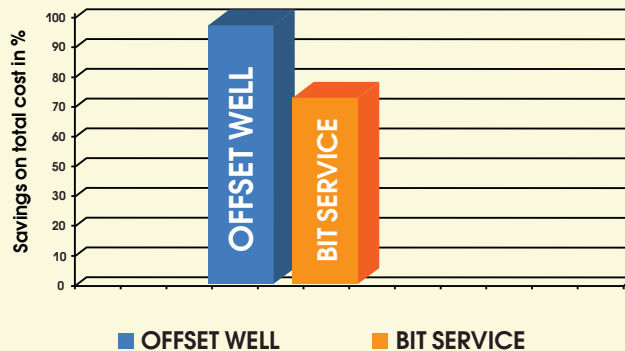
25% SAVINGS ON 11 5/8" SECTION USING KAZDUKO BIT SERVICES

Country:.....**Kazakhstan**
 Area:.....**Mangystau**
 Field:.....**West Zhetybai**
 Period...**January-February 2013**

11 5/8" Section	
OFFSET WELL	USES BIT SERVICES
Total bits used 2	Total bits used 1
Total bit runs 2	Total bit runs 1
Total interval 797.3 m	Total interval 774 m
Total drilling hours 67.6	Total drilling hours 43.3
Av. ROP 11.79 m/h	Av. ROP 17.8 m/h
Trip time for bit change 8 h*	Trip time for bit change 0 h
Total hours 75.6	Total hours 43.3
Bit cost per meter US\$ 37.5	Bit cost per meter US\$ 33.0
Rig cost per hour US\$ 1000	Rig cost per hour US\$ 1000
Total cost per meter US\$ 132.3	Total cost per meter US\$ 99.2

RESULT: Total drilling savings on 11 5/8" well section is **US\$ 25, 619.00**

11 5/8" section, cost per meter **OFFSET WELL= US\$ 132.3** and **USES BIT SERVICE= US\$ 99.2**



* - Trip time for change bit calculated according to depth and is not exact