



SCIENTIFIC AND PRODUCTION ENTERPRISE

BURINTEKH

Bit Run Report

8.5" B516YECBM.320 №31163

Well Al Dhabbi-28, Rig-38

«Petroleum Development Oman»



Bit Type:	8.5" B516YECBM.320 #31163						Nozzles: 5x16/32;
Run #:	1		2				Total
Date:	14.09.18 - 19.09.18						TFA=0,982in
Field:	Al Dhabi						
Well:	Al Dhabi-28						
Drilling From / To:	937	1852					
Drilling interval m:	915						
Drilling hours :	38.125						
ROP m/hr.	24						
Sliding, m:	80						
Sliding ROP m/hr.:	10						
Rotation, m:	835						
Rotation ROP m/hr.:	27,8						
Drilling parameters:	6-12kdaN / 13000 kPa./ 2.1 m3/min / RPM=60-80						
Mud parameters:	XCD-Starch-KCL-NaCL-Ca 13 kPa/m; Vis;60 (s/l); PV/YP: 21/15.3 (mPa*s/Pa)						
BHA:	8.5" PDC Bit+ 6 3/4" PDM (7/8; 5stg.; 0.7 bend) +6-3/4" Float sub + 8-1/4" string stab -6-3/4" MWD + 10 x 6-1/2" DC + 6-3/4" Hydro-mech. Jar + 2 x 6-1/2" DC + 18 x 5" HWDP + 100 x 5" DP + XO + 4" DP till surface.						
Pumps:	2 X OILWELL / 1100-PT						
Dull Grading (Out):	2-2-BT-C-X-I-WT-TD						
End:							

Run summary:

Overall Feedback about the section :

Avg ROP : 24 m/hr

Drilling time : 3.5 days

Natih length 109 m = ROP : 21 m/hr

Mesozoic length 137 m = ROP 26 m/hr

Khuff length 111 m = ROP 28 m/hr

Gharif length 150 m = ROP 25 m/hr

Khalata length 342 m = ROP 17 m/hr

- thickness of Mesozoic Calstic was 137 m and contain 30-50% of chert this lead to control parameters all the way through this formation . it Was thicker than Dhabi-27 and more aggressive in term of chert

- Gharif Sand was found shorter in thickness comparing to Dhabi-26 (300m) and Dhabi-27(218m) . this gives disadvantage for ROP since this is the only formation where fast ROP can be obtained

- 70% of Khalata thickness was drilled with control parameters due to high % of damictite observed between 30%-60% . this lead to slow the ROP , However bit was performing quit good (18-20 m/hr) through high % of damictie

- Different vendor of bit (Burintekh) was used in this well

- Top hole was drifted 30 m so MWD was ran in 8.5 section for correction





